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Table 1. The Colorado Model Content Standards and Subcontent Areas

Reading		
Content Standards		
CS	Grades	
1	3-10	Reading Comprehension
4	4-10	Thinking Skills
5	4-10	Use of Literary Information
6	4-10	Literature
Subcontent Areas		
SA	Grades	
1	7-10	Fiction
2	3-10	Nonfiction
3	3-10	Vocabulary
4	7-10	Poetry
1/4	3-6	Fiction and Poetry
Writing		
Content Standards		
CS	Grades	
2	3-10	Write for a Variety of Purposes
3	3-10	Write Using Conventions
Subcontent Areas		
SA	Grades	
5	3-10	Paragraph Writing
6	4-10	Extended Writing
7	3-10	Grammar and Usage
8	3-10	Mechanics
Mathematics		
Content Standards		
CS	Grades	
1	3-6	Number Sense
2	4-10	Algebra, Patterns, and Functions
2/3	3	Algebra, Patterns, and Functions / Statistics and Probability
3	4-10	Statistics and Probability
4/5	3-10	Geometry and Measurement
6	3-6	Computational Techniques
1/6	7-10	Number Sense and Computational Techniques

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Table 1. The Colorado Model Content Standards and Subcontent Areas (cont'd)

Mathematics (Continued)		
		Subcontent Areas
SA	Grades	
1	4-6	Number and Operation Sense
1	7	Number Sense
1	8	Linear Pattern Representation
1	9	Multiple Representations of Linear/Nonlinear Functions
1	10	Multiple Representations of Functions
2	4-6	Patterns
2	7	Area and Perimeter Relationships
2	8-9	Proportional Thinking
2	10	Probability and Counting Techniques
3	4	Measurement
3	5	Data Displays
3	6 and 8	Geometry
Science		
		Content Standards
CS	Grades	
1/5	5, 8, and 10	Scientific Investigation and the Nature of Science
2	5, 8, and 10	Physical Science
3	5, 8, and 10	Life Science
4	5, 8, and 10	Earth and Space Science
		Subcontent Areas
SA	Grades	
1	5, 8, and 10	Experimental Design and Investigations
2	5, 8, and 10	Results and Data Analysis
3	8	Physics Concepts
4	10	Chemistry Concepts
5	8 and 10	Life Processes
6	8 and 10	Geology and Astronomy

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Table 2. Configuration of 2011 CSAP Assessments

Content Area	Grade	Maximum Possible Points	Total # of Items			Frequency of CR Items with the Given Number of Maximum Points			
			MC	CR	Total	1	2	3	4
Reading	3	52	32	8	40		4	4	
	4*[1]	90	55	14	69		7	7	
	5	91	56	14	70		7	7	
	6*[2]	90	55	14	69		7	7	
	7	91	56	14	70		8	5	1
	8	91	56	14	70		7	7	
	9*[3]	94	55	14	69		3	11	
	10	95	56	14	70		3	10	1
Writing	3	56	35	9	44	6			3
	4	69	40	13	53	7	1		5
	5	68	40	13	53	7	1		5
	6	69	40	13	53	7	1		5
	7	69	40	13	53	7	1		5
	8*[4]	67	38	13	51	7	1		5
	9*[5]	68	39	13	52	7	1		5
	10*[6]	68	40	12	51	6	1		5
Mathematics	3	50	32	8	40		6	2	
	4	96	54	15	69		6	6	3
	5	96	54	15	69		6	6	3
	6	87	45	15	60		6	6	3
	7	87	45	15	60		6	6	3
	8*[7]	87	44	15	59		6	6	3
	9*[8]	87	44	15	59		6	6	3
	10	87	45	15	60		6	6	3
Science	5	88	57	18	75	5	13		
	8	100	60	23	83	9	12	1	1
	10*[9]	97	57	23	80	8	14		1
Reading Spanish	3	52	32	8	40		4	4	
	4	91	56	14	70		7	7	
Writing Spanish	3	56	35	9	44	6			3
	4	69	40	13	53	7	1		5

*Content area in which item(s) were removed from calibration. Count shown in this table does not include removed items.

1. 1 MC item removed
2. 1 MC item removed
3. 1 MC item removed
4. 2 MC items removed
5. 1 MC item removed
6. 1 CR item removed
7. 1 MC item removed
8. 1 MC item removed
9. 3 MC items removed

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Table 3. Configuration of 2011 CSAP Reading Assessments by Grade, Content Standard, Subcontent Area, and Item Type

			Content Standard								Subcontent Area									
			1		4		5		6		1		1/4		2		3		4	
Grade	Content Area	Item Type	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.
3	Reading	MC	32	32									11	11	11	11	10	10		
		CR	8	20									6	11	2	4				
4	Reading*1	MC	22	22	11	11	11	11	11	11			20	20	13	13	11	11		
		CR	6	15	3	7	3	7	2	6			7	19	4	9				
5	Reading	MC	20	20	15	15	12	12	9	9			19	19	15	15	10	10		
		CR	5	11	2	5	3	8	4	11			4	10	7	17				
6	Reading*2	MC	24	24	14	14	10	10	7	7			20	20	14	14	11	11		
		CR	3	7	2	6	4	10	5	12			6	14	4	11				
7	Reading	MC	17	17	16	16	12	12	11	11	13	13			11	11	10	10	10	10
		CR	6	14	2	4	3	8	3	9	7	17			3	6			1	4
8	Reading	MC	22	22	13	13	15	15	6	6	8	8			11	11	15	15	7	7
		CR	4	9	3	7	2	5	5	14	6	15			4	10			2	5
9	Reading*3	MC	16	16	9	9	15	15	15	15	13	13			8	8	11	11	8	8
		CR	6	16	4	12	2	6	2	5	2	5			9	26			1	2
10	Reading	MC	17	17	13	13	18	18	8	8	10	10			5	5	12	12	11	11
		CR	5	16	3	8	1	3	5	13	6	18			6	17			1	2
3	Spanish Reading	MC	32	32									13	13	7	7	12	12		
		CR	8	20									5	11	3	9				
4	Spanish Reading	MC	27	27	11	11	10	10	8	8			18	18	17	17	11	11		
		CR	4	10	3	7	3	8	4	10			8	20	3	7				

* Content area in which item(s) were removed from the calibration. Counts shown in this table do not include removed items.

1. Removed one MC item from calibration in CS6.b G4 SA 1/4 FP
2. Removed one MC item from calibration in CS6.c G6 SA 1/4 FP
3. Removed one MC item from calibration in CS6.c G9 SA 1F

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Table 4. Configuration of 2011 CSAP Writing Assessments by Grade, Content Standard, Subcontent Area, and Item Type

			Content Standard				Subcontent Area							
			2		3		5		6		7		8	
Grade	Content Area	Item Type	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.
3	Writing	MC	12	12	23	23	7	7			12	12	11	11
		CR	9	12	9	9	12	15			3	3	3	3
4	Writing	MC	15	15	25	25	9	9			21	21	4	4
		CR	6	21	7	8	3	12	4	11	3	3	3	3
5	Writing	MC	15	15	25	25	8	8			21	21	8	8
		CR	6	21	7	8	3	12	4	11	3	3	3	3
6	Writing	MC	15	15	25	25	8	8			21	21	9	9
		CR	6	21	7	8	3	12	4	11	3	3	3	3
7	Writing	MC	15	15	25	25	7	7			23	23	8	8
		CR	5	21	7	8	3	12	4	11	3	3	3	3
8	Writing[*1]	MC	13	13	25	25	7	7			20	20	9	9
		CR	6	21	7	8	3	12	4	11	3	3	3	3
9	Writing[*2]	MC	14	14	25	25	9	9			18	18	12	12
		CR	6	21	7	8	3	12	4	11	2	2	4	4
10	Writing[*3]	MC	15	15	25	25	13	13			24	24	3	3
		CR	6	21	6	7	3	12	4	11	2	2	3	3
3	Spanish Writing	MC	12	12	23	23					17	17	7	7
		CR	9	12	9	9	3	15			3	3	3	3
4	Spanish Writing	MC	13	13	27	27	6	6			15	15	12	12
		CR	6	21	7	8	3	12	2	11	4	4	2	2

* Content area in which item(s) were removed from the calibration. Counts shown in this table do not include removed items.

1. Removed 2 MC items from calibration in CS2.b G8 SA 5-PW
2. Removed 1 MC item from calibration in CS2.b.2 G9 SA 5-PW
3. Removed 1 CR item from calibration in CS3.e G10 SA 8-M

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Table 5. Configuration of 2011 CSAP Mathematics Assessments by Grade, Content Standard, Subcontent Area, and Item Type

			Content Standard														Subcontent Area					
			1		1/6		2		2/3		3		4/5		6		1		2		3	
Grade	Content Area	Item Type	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.
3	Mathematics	MC	6	6					9	9			12	12	5	5						
		CR	2	4					2	4			2	5	2	5						
4	Mathematics	MC	10	10			6	6			9	9	17	17	12	12	8	8	3	3	7	7
		CR	4	10			3	8			2	5	4	12	2	7	6	17	3	8	2	7
5	Mathematics	MC	14	14			8	8			7	7	11	11	14	14	11	11	3	3	1	1
		CR	2	5			4	11			4	12	3	9	2	5	2	6	4	11	2	6
6	Mathematics	MC	10	10			7	7			7	7	12	12	9	9	6	6	4	4	3	3
		CR	2	7			3	10			4	11	4	10	2	4	3	9	3	10	3	8
7	Mathematics	MC			15	15	9	9			9	9	12	12			3	3	1	1		
		CR			4	11	3	8			3	9	5	14			3	9	5	14		
8	Mathematics*1	MC			11	11	11	11			9	9	14	14			7	7	6	6	5	5
		CR			4	11	4	11			3	8	4	12			2	6	4	11	2	6
9	Mathematics*2	MC			10	10	12	12			12	12	11	11			5	5	6	6		
		CR			3	7	4	12			4	11	4	12			5	15	4	10		
10	Mathematics	MC			12	12	13	13			11	11	9	9			8	8	4	4		
		CR			2	5	4	10			5	13	4	14			6	18	2	6		

* Content area in which item(s) were removed from the calibration. Counts shown in this table do not include removed items.

1. Removed one MC item from calibration in CS 4/5, SA 3
2. Removed one MC item from calibration in CS 4/5

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Table 6. Configuration of 2011 CSAP Science Assessments by Grade, Content Standard, Subcontent Area, and Item Type

			Content Standard								Subcontent Area											
			1/5		2		3		4		1		2		3		4		5		6	
Grade	Content Area	Item Type	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.
5	Science	MC	21	21	12	12	12	12	12	12	10	10	8	8								
		CR	9	14	3	6	3	5	3	5	2	3	6	10								
8	Science	MC	24	24	12	12	12	12	12	12	13	13	10	10	7	7			8	8	7	7
		CR	9	16	5	8	4	8	5	8	4	7	5	9	3	5			1	2	4	6
10	Science*[1]	MC	22	22	12	12	11	11	12	11	10	10	6	6			5	5	8	8	10	10
		CR	10	17	4	7	4	7	5	9	5	9	5	8			3	5	3	6	4	8

* Content area in which item(s) were removed from the calibration. Counts shown in this table do not include removed items.

1. Removed two MC items from calibration in CS 1/5, SA1 and one MC item from calibration in CS3, SA5

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Table 7. Percentage of Items in Depth of Knowledge Levels

Content Area	Grade	DOK Level 1 MC	DOK Level 1 CR	DOK Level 2 MC	DOK Level 2 CR	DOK Level 3 MC	DOK Level 3 CR	Number of Items in Test
Reading	3	30%	0%	50%	10%	0%	10%	40
	4	23%	0%	51%	10%	5%	10%	70
	5	13%	4%	59%	9%	9%	7%	70
	6	19%	1%	49%	11%	13%	7%	70
	7	16%	1%	47%	7%	17%	11%	70
	8	7%	2%	57%	6%	10%	11%	70
	9	17%	0%	56%	6%	7%	14%	70
	10	10%	0%	44%	7%	16%	13%	70
Writing	3	50%	14%	27%	0%	2%	6%	44
	4	49%	11%	23%	0%	4%	13%	53
	5	45%	11%	25%	0%	6%	13%	53
	6	38%	11%	32%	0%	6%	13%	53
	7	42%	11%	25%	0%	9%	13%	53
	8	40%	11%	28%	0%	8%	13%	53
	9	36%	11%	34%	0%	6%	13%	53
	10	34%	11%	32%	0%	9%	13%	53
Mathematics	3	32%	0%	43%	13%	5%	7%	40
	4	32%	0%	45%	10%	1%	12%	69
	5	33%	0%	44%	9%	1%	13%	69
	6	20%	2%	51%	11%	3%	13%	60
	7	20%	0%	48%	12%	7%	13%	60
	8	15%	0%	47%	7%	13%	18%	60
	9	20%	0%	48%	15%	7%	10%	60
	10	16%	0%	52%	14%	7%	12%	60
Science	5	24%	1%	47%	11%	5%	12%	75
	8	18%	2%	45%	14%	10%	11%	83
	10	13%	1%	47%	16%	12%	11%	83
Spanish Reading	3	0%	0%	80%	20%	0%	0%	40
	4	34%	1%	56%	17%	10%	1%	70
Spanish Writing	3	66%	17%	0%	17%	0%	0%	53
	4	64%	13%	11%	9%	0%	2%	53

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Table 8. Percentage of Score Points in Depth of Knowledge Levels

Content Area	Grade	DOK Level 1 MC	DOK Level 1 CR	DOK Level 2 MC	DOK Level 2 CR	DOK Level 3 MC	DOK Level 3 CR	Total Number of Points in Test
Reading	3	23%	0%	38%	19%	0%	19%	52
	4	18%	0%	40%	18%	4%	18%	91
	5	10%	7%	45%	19%	7%	13%	91
	6	14%	3%	37%	21%	10%	14%	91
	7	12%	2%	36%	13%	13%	23%	91
	8	10%	4%	44%	11%	8%	23%	91
	9	13%	0%	41%	12%	5%	30%	95
	10	15%	0%	33%	16%	12%	26%	95
Writing	3	39%	11%	21%	0%	1%	27%	56
	4	38%	8%	17%	0%	3%	33%	69
	5	35%	8%	19%	0%	4%	33%	69
	6	29%	8%	25%	0%	4%	33%	69
	7	32%	8%	19%	0%	7%	33%	69
	8	30%	8%	22%	0%	6%	33%	69
	9	28%	8%	26%	0%	4%	33%	69
	10	26%	8%	25%	0%	7%	33%	69
Mathematics	3	26%	0%	34%	20%	4%	16%	50
	4	23%	0%	32%	18%	1%	26%	96
	5	24%	0%	31%	14%	1%	30%	96
	6	14%	2%	36%	16%	2%	30%	87
	7	14%	0%	32%	19%	6%	29%	87
	8	10%	0%	31%	7%	10%	42%	87
	9	14%	0%	33%	26%	5%	22%	87
	10	11%	0%	36%	23%	5%	25%	87
Science	5	20%	1%	40%	15%	5%	19%	88
	8	15%	3%	37%	21%	8%	16%	100
	10	11%	2%	39%	24%	10%	14%	100
Spanish Reading	3	0%	0%	62%	39%	0%	0%	52
	4	26%	2%	43%	34%	8%	2%	91
Spanish Writing	3	63%	16%	0%	21%	0%	0%	56
	4	49%	12%	9%	29%	0%	1%	69

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Table 9. Previously Administered Items Selected for 2011 Test Forms that were Flagged for DIF or Fit

Language	Content Area	Grade	Item Type	2011 Item	2011 Anchor	Year Flagged	DIF Flag*	Fit Flag*
English	Reading	3	CR	16		2009	0	1
English	Reading	3	CR	19		2009	0	1
English	Reading	3	CR	4		2010	0	1
English	Reading	3	CR	31		2010	0	1
English	Reading	4	CR	23		2009	E	0
English	Reading	5	CR	31		2009	E	0
English	Reading	6	CR	34		2009	E	0
English	Reading	6	CR	17		2010	E	0
English	Reading	6	CR	18		2010	0	1
English	Reading	6	CR	45		2010	E	0
English	Reading	7	CR	99		2009	E	0
English	Reading	7	CR	24		2010	E	0
English	Reading	8	CR	109		2010	G	0
English	Reading	9	CR	5		2009	E	0
English	Reading	9	CR	9		2009	E	0
English	Reading	9	CR	44		2009	G,E	0
English	Reading	9	CR	104		2009	E	0
English	Reading	9	MC	92	yes	2010	E	0
English	Reading	9	CR	93		2010	E	0
English	Reading	10	CR	7		2009	G	0
English	Reading	10	CR	27		2009	E	0
English	Reading	10	CR	91		2009	E	0
English	Reading	10	CR	14		2010	G,E	0
English	Reading	10	MC	21		2010	0	1
English	Writing	4	ECR	3A		2009	0	1
English	Writing	4	ECR	3C		2009	0	1
English	Writing	4	SCR	93		2009	G	0
English	Writing	5	ECR	3A		2009	0	1
English	Writing	5	ECR	3C		2009	0	1
English	Writing	6	ECR	3A		2010	0	1
English	Writing	7	ECR	3A		2009	0	1
English	Writing	7	SCR	95		2009	G,E	0
English	Writing	8	MC	74		2009	E	0
English	Writing	8	ECR	3A		2010	0	1
English	Writing	9	CR	2D		2009	E	0
English	Writing	10	ECR	3A		2009	0	1
English	Writing	10	SCR	69		2009	G	0
English	Writing	10	SCR	90		2009	E	0
English	Mathematics	3	CR	20		2010	E	0
English	Mathematics	6	CR	16		2009	0	1

* 0=No Flag; E=Flagged for Ethnicity; G=Flagged for Gender; 1=Flagged for Fit

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Table 9. Previously Administered Items Selected for 2011 Test Forms that were Flagged for DIF or Fit (cont'd)

Language	Content Area	Grade	Item Type	2011 Item	2011 Anchor	Year Flagged	DIF Flag*	Fit Flag*
English	Mathematics	6	CR	40		2010	0	1
English	Mathematics	7	MC	5		2009	0	1
English	Mathematics	7	CR	12		2009	0	1
English	Mathematics	7	CR	20		2010	0	1
English	Mathematics	7	MC	36	yes	2009	0	1
English	Mathematics	7	CR	43		2009	0	1
English	Mathematics	8	MC	49		2009	0	1
English	Mathematics	8	CR	54		2010	0	1
English	Mathematics	8	CR	60		2009	0	1
English	Mathematics	9	CR	10		2010	0	1
English	Mathematics	9	CR	49		2009	E	0
English	Mathematics	10	MC	4		2010	0	1
English	Mathematics	10	CR	60		2009	0	1
English	Science	5	MC	32		2008	G	0
English	Science	5	CR	34		2007	G	0
English	Science	5	CR	54		2008	G	0
English	Science	8	MC	1		2008	G	0
English	Science	8	MC	17		2008	G	0
English	Science	8	CR	22		2009	G,E	0
English	Science	8	MC	32		2008	G	0
English	Science	8	CR	57		2007	G	0
English	Science	8	MC	78		2008	G	0
English	Science	8	MC	82		2008	G	0
English	Science	10	MC	18		2008	G	0
English	Science	10	CR	22		2009	E	0
English	Science	10	CR	23		2009	E	0
English	Science	10	CR	24		2009	0	1
English	Science	10	CR	38		2008	G	0
English	Science	10	MC	45		2008	G	0
English	Science	10	MC	62		2008	E	0
English	Science	10	CR	75		2010	E	0
Spanish	Reading	3	CR	1		2007, 2008	0	1
Spanish	Reading	3	MC	7	yes	2004	0	1
Spanish	Reading	3	MC	14		2007	0	1
Spanish	Reading	3	MC	20	yes	2007	0	1
Spanish	Reading	3	MC	24	yes	2008	0	1
Spanish	Reading	3	CR	26		2002, 2003, 2006	0	1

* 0=No Flag; E=Flagged for Ethnicity; G=Flagged for Gender; 1=Flagged for Fit

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Table 9. Previously Administered Items Selected for 2011 Test Forms that were Flagged for DIF or Fit (cont'd)

Language	Content Area	Grade	Item Type	2011 Item	2011 Anchor	Year Flagged	DIF Flag*	Fit Flag*
Spanish	Reading	3	CR	32		2008	0	1
Spanish	Reading	3	CR	36		2008	0	1
Spanish	Reading	4	MC	15	yes	2005	0	1
Spanish	Reading	4	MC	19	yes	2008	0	1
Spanish	Reading	4	MC	21	yes	2008	0	1
Spanish	Reading	4	MC	23	yes	2004	0	1
Spanish	Reading	4	MC	26		2003, 2008	0	1
Spanish	Reading	4	MC	28	yes	2005, 2007	0	1
Spanish	Reading	4	MC	32		2008	0	1
Spanish	Reading	4	MC	38		2008	0	1
Spanish	Reading	4	MC	40		2008	0	1
Spanish	Reading	4	CR	42		2008	0	1
Spanish	Reading	4	CR	44		2004, 2008	0	1
Spanish	Reading	4	MC	46		2008	0	1
Spanish	Reading	4	MC	48		2004	0	1
Spanish	Reading	4	MC	92		2003, 2004	0	1
Spanish	Reading	4	MC	93	yes	2008	0	1
Spanish	Reading	4	MC	94		2003	0	1
Spanish	Reading	4	MC	95	yes	2008	0	1
Spanish	Reading	4	MC	102		2008	0	1
Spanish	Reading	4	MC	103		2008	0	1
Spanish	Reading	4	MC	107	yes	2005	0	1
Spanish	Reading	4	MC	110		2008	0	1
Spanish	Reading	4	MC	111		2008	0	1
Spanish	Reading	4	MC	113		2004	0	1
Spanish	Reading	4	MC	114		2008	0	1
Spanish	Writing	3	MC	6		2008	0	1
Spanish	Writing	3	CR	27A		2007	0	1
Spanish	Writing	3	MC	34		2004	0	1
Spanish	Writing	4	CR	2F		2008	0	1
Spanish	Writing	4	CR	3A		2005	0	1
Spanish	Writing	4	MC	52	yes	2005	0	1
Spanish	Writing	4	MC	55	yes	2005	0	1
Spanish	Writing	4	MC	57		2008	0	1
Spanish	Writing	4	MC	58		2008	0	1

* 0=No Flag; E=Flagged for Ethnicity; G=Flagged for Gender; 1=Flagged for Fit

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Table 9. Previously Administered Items Selected for 2011 Test Forms that were Flagged for DIF or Fit (cont'd)

Language	Content Area	Grade	Item Type	2011 Item	2011 Anchor	Year Flagged	DIF Flag*	Fit Flag*
Spanish	Writing	4	MC	60		2008	0	1
Spanish	Writing	4	MC	61		2005	0	1
Spanish	Writing	4	MC	65	yes	2005	G	0
Spanish	Writing	4	MC	71	yes	2004	0	1
Spanish	Writing	4	MC	74		2004, 2008	0	1
Spanish	Writing	4	MC	75		2008	0	1
Spanish	Writing	4	MC	76		2005, 2008	0	1
Spanish	Writing	4	MC	79		2004, 2008	0	1
Spanish	Writing	4	MC	83		2008	0	1
Spanish	Writing	4	MC	85		2004	0	1
Spanish	Writing	4	MC	87		2008	0	1
Spanish	Writing	4	MC	89		2008	0	1

* 0=No Flag; E=Flagged for Ethnicity; G=Flagged for Gender; 1=Flagged for Fit

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Table 10. Lowest and Highest Obtainable Scale Scores for the CSAP Assessments

Content Area	Grade	LOSS	HOSS
Reading	3	150	795
	4	180	940
	5	220	955
	6	260	970
	7	300	980
	8	330	990
	9	350	995
	10	370	999
Writing	3	150	680
	4	190	730
	5	220	780
	6	230	840
	7	240	890
	8	250	910
	9	260	930
	10	270	950
Mathematics	3	150	700
	4	180	780
	5	220	800
	6	240	830
	7	280	860
	8	310	890
	9	340	920
	10	370	950
Science	5	300	900
	8	300	900
	10	300	900
Reading Spanish	3	300	740
	4	300	790
Writing Spanish	3	250	750
	4	300	790

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Table 11. Rater Reliability Statistics – Reading

				Mean		SD			Agreement		
Grade	Item	N	Max Score	Rater 1	Rater 2	Rater 1	Rater 2	Weighted Kappa	Exact	Adjacent	Exact + Adjacent
3	4	3423	2	0.90	0.90	0.61	0.62	0.63	78.14	21.19	99.33
3	13	3770	3	1.28	1.30	0.87	0.86	0.67	69.21	29.02	98.23
3	16	3598	2	1.43	1.42	0.75	0.76	0.71	82.62	15.24	97.86
3	20	3094	3	1.13	1.14	0.79	0.79	0.63	68.90	29.94	98.84
3	23	3157	3	1.01	1.00	0.87	0.87	0.69	68.40	30.55	98.95
3	27	3371	2	0.72	0.70	0.62	0.61	0.63	77.67	22.12	99.79
3	31	3558	3	1.36	1.33	1.09	1.08	0.76	76.20	21.35	97.55
3	37	3463	2	0.93	0.91	0.67	0.67	0.55	71.37	28.32	99.69
4	5	3037	2	1.23	1.25	0.78	0.78	0.74	74.28	24.18	98.46
4	18	2942	3	1.45	1.44	1.14	1.14	0.72	66.17	29.81	95.98
4	20	2986	3	1.26	1.25	0.83	0.83	0.65	68.14	29.91	98.05
4	23	3463	2	0.93	0.91	0.67	0.67	0.55	71.37	28.32	99.69
4	30	3094	3	1.13	1.14	0.79	0.79	0.63	68.90	29.94	98.84
4	33	3157	3	1.01	1.00	0.87	0.87	0.69	68.40	30.55	98.95
4	39	3011	3	1.01	1.00	0.77	0.77	0.59	63.14	34.06	97.20
4	41	3015	2	0.68	0.68	0.66	0.66	0.69	77.49	22.07	99.56
4	43	2999	3	1.63	1.66	0.98	0.96	0.75	71.08	26.82	97.90
4	50	2967	2	0.55	0.56	0.61	0.62	0.54	70.79	28.26	99.05
4	101	3019	2	1.66	1.66	0.65	0.65	0.78	89.17	9.41	98.58
4	108	2977	2	1.34	1.35	0.82	0.81	0.88	97.19	2.71	99.90
4	109	2985	3	1.12	1.13	0.76	0.75	0.56	68.70	26.96	95.66
4	114	2984	2	1.30	1.30	0.83	0.83	0.76	79.87	17.85	97.72
5	8	2906	3	1.10	1.10	0.95	0.95	0.70	65.83	31.87	97.70
5	14	2940	2	0.89	0.89	0.69	0.70	0.60	68.49	29.91	98.40
5	22	3015	2	0.68	0.68	0.66	0.66	0.69	77.49	22.07	99.56
5	24	2999	3	1.63	1.66	0.98	0.96	0.75	71.08	26.82	97.90
5	27	2869	3	1.53	1.53	1.10	1.09	0.80	82.64	16.10	98.74
5	28	2969	2	1.23	1.22	0.82	0.82	0.90	90.09	9.67	99.76
5	29	2953	2	1.10	1.10	0.94	0.93	0.89	89.19	9.79	98.98
5	31	2932	3	1.61	1.61	1.24	1.24	0.87	85.12	12.62	97.74
5	36	2918	3	1.18	1.18	0.95	0.95	0.78	77.93	20.63	98.56
5	43	2798	3	0.82	0.82	0.82	0.83	0.63	79.96	17.89	97.85
5	51	2784	3	1.63	1.63	1.24	1.24	0.71	67.37	26.84	94.21
5	97	2955	2	1.38	1.39	0.88	0.87	0.91	92.75	6.40	99.15
5	98	2967	2	1.35	1.35	0.75	0.75	0.86	88.57	10.89	99.46
5	113	2967	2	0.55	0.56	0.61	0.62	0.54	70.79	28.26	99.05

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Table 11. Rater Reliability Statistics – Reading (cont'd)

				Mean		SD			Agreement		
Grade	Item	N	Max Score	Rater 1	Rater 2	Rater 1	Rater 2	Weighted Kappa	Exact	Adjacent	Exact + Adjacent
6	8	2797	2	0.58	0.58	0.67	0.68	0.75	85.19	14.56	99.75
6	11	2807	3	2.27	2.28	0.94	0.94	0.77	80.92	17.65	98.57
6	12	2819	2	0.75	0.76	0.81	0.80	0.73	76.57	21.55	98.12
6	17	2841	3	1.43	1.43	1.14	1.14	0.79	76.30	19.04	95.34
6	18	2840	3	2.08	2.07	1.09	1.10	0.85	77.84	21.00	98.84
6	24	2775	2	1.14	1.14	0.71	0.71	0.62	69.55	29.87	99.42
6	29	2673	2	1.03	1.02	0.84	0.85	0.64	71.43	25.98	97.41
6	32	2953	2	1.10	1.10	0.94	0.93	0.89	89.19	9.79	98.98
6	34	2932	3	1.61	1.61	1.24	1.24	0.87	85.12	12.62	97.74
6	39	2918	3	1.18	1.18	0.95	0.95	0.78	77.93	20.63	98.56
6	45	2828	2	0.86	0.86	0.81	0.80	0.83	85.84	13.66	99.50
6	53	2715	3	0.67	0.66	0.75	0.77	0.58	74.33	22.69	97.02
6	99	2851	2	1.08	1.09	0.76	0.75	0.72	74.23	24.68	98.91
6	112	2842	3	1.32	1.32	0.71	0.72	0.64	71.36	27.66	99.02
7	4	2807	3	2.27	2.28	0.94	0.94	0.77	80.92	17.65	98.57
7	5	2819	2	0.75	0.76	0.81	0.80	0.73	76.57	21.55	98.12
7	12	2807	3	2.06	2.05	1.08	1.08	0.81	78.15	19.64	97.79
7	13	2819	2	1.51	1.50	0.68	0.68	0.72	80.90	18.28	99.18
7	18	2766	2	1.39	1.39	0.77	0.76	0.60	68.76	27.62	96.38
7	19	2812	3	1.79	1.78	0.90	0.89	0.70	67.46	30.30	97.76
7	24	2772	4	1.68	1.67	0.94	0.95	0.65	67.79	29.79	97.58
7	35	2715	3	0.67	0.66	0.75	0.77	0.58	74.33	22.69	97.02
7	41	2742	2	0.58	0.58	0.67	0.67	0.61	75.55	23.32	98.87
7	47	2759	2	1.39	1.40	0.83	0.82	0.80	88.32	10.66	98.98
7	97	2819	2	1.19	1.19	0.72	0.72	0.64	68.85	30.05	98.90
7	98	2802	2	0.92	0.93	0.66	0.66	0.58	70.22	28.42	98.64
7	99	2771	3	1.54	1.54	1.20	1.19	0.76	73.98	19.52	93.50
7	113	2778	2	1.05	1.05	0.79	0.80	0.76	81.11	18.35	99.46
8	6	2743	2	1.03	1.03	0.79	0.78	0.63	65.26	32.01	97.27
8	10	2713	3	1.60	1.61	0.92	0.92	0.65	59.26	37.83	97.09
8	15	2705	3	1.63	1.62	0.92	0.91	0.66	62.85	34.31	97.16
8	20	2703	3	1.84	1.85	1.07	1.08	0.84	89.70	8.19	97.89
8	26	2674	3	1.35	1.35	0.83	0.82	0.60	64.09	33.45	97.54
8	27	2731	2	0.92	0.92	0.61	0.61	0.51	66.64	32.70	99.34
8	39	2614	2	0.88	0.88	0.93	0.94	0.81	89.50	9.50	99.00
8	40	2705	3	1.69	1.68	0.88	0.88	0.71	75.25	22.90	98.15
8	46	2677	2	1.38	1.37	0.78	0.79	0.71	78.52	19.42	97.94
8	47	2759	2	1.39	1.40	0.83	0.82	0.80	88.32	10.66	98.98
8	95	2802	2	0.92	0.93	0.66	0.66	0.58	70.22	28.42	98.64
8	96	2819	2	1.19	1.19	0.72	0.72	0.64	68.85	30.05	98.90
8	98	2713	3	1.29	1.28	0.74	0.74	0.63	69.87	29.02	98.89
8	109	2627	3	1.94	1.96	1.09	1.09	0.76	80.51	17.43	97.94

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Table 11. Rater Reliability Statistics – Reading (cont'd)

				Mean		SD			Agreement		
Grade	Item	N	Max Score	Rater 1	Rater 2	Rater 1	Rater 2	Weighted Kappa	Exact	Adjacent	Exact + Adjacent
9	5	2705	3	1.69	1.68	0.88	0.88	0.71	75.25	22.90	98.15
9	18	2703	3	1.84	1.85	1.07	1.08	0.84	89.70	8.19	97.89
9	24	2674	3	1.35	1.35	0.83	0.82	0.60	64.09	33.45	97.54
9	27	2607	2	1.28	1.28	0.59	0.59	0.56	76.59	23.22	99.81
9	31	2718	2	1.25	1.25	0.56	0.56	0.53	73.39	26.39	99.78
9	34	2668	3	1.52	1.55	0.89	0.89	0.64	64.50	34.48	98.98
9	38	2677	3	2.19	2.18	1.01	1.02	0.71	76.35	20.40	96.75
9	44	2682	2	0.88	0.88	0.66	0.67	0.58	68.96	30.74	99.70
9	93	2661	3	1.19	1.21	0.95	0.92	0.62	64.72	31.51	96.23
9	96	2689	3	1.89	1.90	0.92	0.91	0.67	68.79	28.91	97.70
9	100	2618	3	1.89	1.90	1.18	1.19	0.71	71.22	23.92	95.14
9	102	2552	3	0.87	0.86	0.80	0.78	0.55	68.04	28.47	96.51
9	104	2558	3	1.12	1.11	1.04	1.05	0.69	73.41	24.55	97.96
9	108	2464	3	1.03	1.04	0.92	0.91	0.53	59.94	36.83	96.77
10	7	2510	3	1.66	1.62	0.97	0.99	0.52	50.10	42.24	92.34
10	12	2546	3	1.49	1.50	0.93	0.94	0.58	62.01	33.98	95.99
10	14	2579	4	2.29	2.30	0.96	0.97	0.61	68.56	28.57	97.13
10	19	2582	2	1.24	1.23	0.66	0.65	0.51	68.84	29.68	98.52
10	27	2558	3	1.12	1.11	1.04	1.05	0.69	73.41	24.55	97.96
10	31	2552	3	0.87	0.86	0.80	0.78	0.55	68.04	28.47	96.51
10	32	2586	3	2.09	2.10	1.01	1.01	0.72	81.77	16.29	98.06
10	37	2512	3	2.21	2.22	0.98	0.99	0.63	74.60	22.32	96.92
10	41	2477	3	1.50	1.51	1.08	1.09	0.56	58.95	31.65	90.60
10	91	2464	3	1.03	1.04	0.92	0.91	0.53	59.94	36.83	96.77
10	97	2435	2	1.43	1.44	0.75	0.76	0.58	73.75	25.38	99.13
10	101	2514	3	1.41	1.41	1.01	1.02	0.59	60.45	34.64	95.09
10	103	2495	3	1.09	1.08	0.83	0.83	0.51	61.99	32.90	94.89
10	108	2486	2	1.07	1.05	0.80	0.80	0.61	75.01	22.29	97.30

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Table 12. Rater Reliability Statistics – Writing

				Mean		SD			Agreement		
Grade	Item	N	Max Score	Rater 1	Rater 2	Rater 1	Rater 2	Weighted Kappa	Exact	Adjacent	Exact + Adjacent
3	1A	3123	1	0.83	0.83	0.37	0.37	0.97	99.23	0.77	100.00
3	1B	3123	1	0.77	0.77	0.42	0.42	0.96	98.62	1.38	100.00
3	1C	3123	1	0.79	0.79	0.41	0.40	0.92	97.53	2.47	100.00
3	1D	3123	1	0.65	0.65	0.48	0.48	0.94	97.44	2.56	100.00
3	1E	3123	1	0.75	0.75	0.43	0.43	0.96	98.81	1.19	100.00
3	1F	3123	1	0.74	0.73	0.44	0.44	0.96	98.53	1.47	100.00
3	10A	3109	2	1.28	1.28	0.48	0.48	0.47	75.87	24.00	99.87
3	10B	3109	1	0.98	0.98	0.15	0.15	0.45	97.43	2.57	100.00
3	10C	3109	1	0.75	0.75	0.43	0.43	0.54	83.24	16.76	100.00
3	10D	3109	1	0.87	0.87	0.34	0.34	0.53	89.54	10.46	100.00
3	27A	3112	2	1.36	1.38	0.51	0.52	0.50	74.00	25.90	99.90
3	27B	3112	1	0.97	0.97	0.17	0.17	0.62	97.98	2.02	100.00
3	27C	3112	1	0.78	0.77	0.42	0.42	0.59	85.76	14.24	100.00
3	27D	3112	1	0.85	0.85	0.35	0.36	0.56	88.95	11.05	100.00
3	39A	3110	2	1.33	1.33	0.49	0.50	0.46	73.54	26.46	100.00
3	39B	3110	1	0.98	0.98	0.15	0.15	0.54	98.01	1.99	100.00
3	39C	3110	1	0.76	0.76	0.43	0.43	0.56	84.24	15.76	100.00
3	39D	3110	1	0.89	0.89	0.31	0.31	0.51	90.80	9.20	100.00
4	1	3058	1	0.98	0.98	0.14	0.14	0.95	99.80	0.20	100.00
4	2A	3045	1	0.93	0.94	0.25	0.24	0.61	95.24	4.76	100.00
4	2B	3045	1	0.66	0.66	0.47	0.47	0.89	95.27	4.73	100.00
4	2C	3045	1	0.79	0.79	0.41	0.41	0.90	96.95	3.05	100.00
4	2D	3044	1	0.77	0.77	0.42	0.42	0.85	94.97	5.03	100.00
4	2E	3045	1	0.95	0.95	0.23	0.23	0.84	98.65	1.35	100.00
4	2F	3045	1	0.90	0.91	0.29	0.29	0.84	97.64	2.36	100.00
4	3A	3046	4	2.35	2.35	0.75	0.75	0.57	62.97	34.41	97.38
4	3B	3046	4	2.27	2.26	0.78	0.78	0.57	59.68	36.97	96.65
4	3C	3046	2	1.82	1.82	0.42	0.43	0.55	84.50	15.30	99.80
4	69	3014	4	2.51	2.54	0.73	0.74	0.63	68.45	30.72	99.17
4	93	2950	4	2.33	2.35	0.75	0.76	0.62	73.31	26.42	99.73
4	116	3025	4	2.36	2.36	0.67	0.68	0.64	72.93	26.71	99.64
5	1	2994	1	0.99	0.99	0.12	0.12	0.88	99.67	0.33	100.00
5	2A	2979	1	0.78	0.78	0.41	0.41	0.88	96.37	3.63	100.00
5	2B	2979	1	0.91	0.90	0.29	0.30	0.90	98.72	1.28	100.00
5	2C	2979	1	0.94	0.94	0.24	0.24	0.88	98.93	1.07	100.00
5	2D	2979	1	0.53	0.52	0.50	0.50	0.96	98.72	1.28	100.00
5	2E	2979	1	0.40	0.41	0.49	0.49	0.93	96.95	3.05	100.00
5	2F	2979	1	0.70	0.70	0.46	0.46	0.95	98.29	1.71	100.00
5	3A	2982	4	2.64	2.64	0.85	0.89	0.58	58.32	37.69	96.01
5	3B	2982	4	2.62	2.62	0.81	0.84	0.58	54.16	42.45	96.61
5	3C	2982	2	1.87	1.88	0.35	0.34	0.42	86.18	13.65	99.83
5	65	2969	4	2.77	2.76	0.76	0.76	0.62	63.79	34.99	98.78
5	96	2903	4	2.72	2.73	0.77	0.77	0.62	72.57	26.95	99.52
5	116	3025	4	2.36	2.36	0.67	0.68	0.64	72.93	26.71	99.64

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Table 12. Rater Reliability Statistics – Writing (cont'd)

				Mean		SD			Agreement		
Grade	Item	N	Max Score	Rater 1	Rater 2	Rater 1	Rater 2	Weighted Kappa	Exact	Adjacent	Exact + Adjacent
6	1	2884	1	0.99	0.99	0.10	0.11	0.88	99.72	0.28	100.00
6	2A	2867	1	0.73	0.73	0.45	0.44	0.91	96.93	3.07	100.00
6	2B	2868	1	0.65	0.66	0.48	0.48	0.94	97.73	2.27	100.00
6	2C	2868	1	0.96	0.96	0.19	0.19	0.50	96.48	3.52	100.00
6	2D	2868	1	0.76	0.76	0.43	0.43	0.91	97.24	2.76	100.00
6	2E	2867	1	0.43	0.43	0.50	0.50	0.91	96.20	3.80	100.00
6	2F	2868	1	0.87	0.87	0.34	0.34	0.91	98.40	1.60	100.00
6	3A	2874	4	2.69	2.69	0.77	0.77	0.61	61.23	37.00	98.23
6	3B	2874	4	2.64	2.64	0.81	0.81	0.58	56.21	40.93	97.14
6	3C	2874	2	1.90	1.90	0.33	0.32	0.49	89.28	10.65	99.93
6	80	2853	4	2.63	2.63	0.74	0.73	0.65	70.58	28.82	99.40
6	98	2903	4	2.72	2.73	0.77	0.77	0.62	72.57	26.95	99.52
6	116	2856	4	2.72	2.71	0.80	0.80	0.69	68.21	31.23	99.44
7	1	2873	1	0.99	0.99	0.11	0.11	0.90	99.76	0.24	100.00
7	2A	2855	1	0.91	0.92	0.28	0.27	0.79	97.13	2.87	100.00
7	2B	2855	1	0.85	0.85	0.36	0.36	0.74	93.66	6.34	100.00
7	2C	2855	1	0.42	0.42	0.49	0.49	0.93	97.30	2.70	100.00
7	2D	2855	1	0.19	0.19	0.39	0.39	0.93	98.46	1.54	100.00
7	2E	2855	1	0.86	0.86	0.35	0.35	0.84	96.46	3.54	100.00
7	2F	2855	1	0.39	0.39	0.49	0.49	0.94	97.86	2.14	100.00
7	3A	2853	4	2.51	2.50	0.84	0.82	0.63	64.16	33.35	97.51
7	3B	2853	4	2.52	2.52	0.79	0.76	0.61	63.32	34.82	98.14
7	3C	2853	2	1.90	1.90	0.31	0.31	0.41	88.52	11.44	99.96
7	72	2823	4	2.63	2.63	0.70	0.72	0.64	72.44	27.28	99.72
7	95	2856	4	2.72	2.71	0.80	0.80	0.69	68.21	31.23	99.44
7	116	2815	4	2.51	2.51	0.75	0.73	0.66	74.24	25.62	99.86
8	1	2782	1	0.99	0.99	0.12	0.11	0.95	99.86	0.14	100.00
8	2A	2758	1	0.80	0.80	0.40	0.40	0.79	93.94	6.06	100.00
8	2B	2758	1	0.82	0.82	0.38	0.38	0.82	95.40	4.60	100.00
8	2C	2758	1	0.74	0.74	0.44	0.44	0.94	98.37	1.63	100.00
8	2D	2758	1	0.82	0.82	0.39	0.39	0.85	96.12	3.88	100.00
8	2E	2758	1	0.66	0.66	0.47	0.47	0.89	96.04	3.96	100.00
8	2F	2757	1	0.94	0.95	0.23	0.23	0.72	97.57	2.43	100.00
8	3A	2758	4	2.61	2.62	0.76	0.76	0.59	62.77	35.12	97.89
8	3B	2756	4	2.65	2.66	0.73	0.73	0.59	63.57	35.16	98.73
8	3C	2756	2	1.95	1.95	0.23	0.22	0.49	94.88	5.08	99.96
8	72	2742	4	2.73	2.73	0.71	0.72	0.63	71.41	28.08	99.49
8	94	2696	4	2.50	2.51	0.73	0.72	0.59	70.49	29.25	99.74
8	116	2815	4	2.51	2.51	0.75	0.73	0.66	74.24	25.62	99.86

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Table 12. Rater Reliability Statistics – Writing (cont'd)

				Mean		SD			Agreement		
Grade	Item	N	Max Score	Rater 1	Rater 2	Rater 1	Rater 2	Weighted Kappa	Exact	Adjacent	Exact + Adjacent
9	1	2811	1	0.97	0.97	0.18	0.18	0.93	99.50	0.50	100.00
9	2A	2759	1	0.24	0.24	0.43	0.43	0.90	97.75	2.25	100.00
9	2B	2759	1	0.71	0.71	0.46	0.46	0.83	94.13	5.87	100.00
9	2C	2759	1	0.79	0.79	0.41	0.41	0.89	97.75	2.25	100.00
9	2D	2759	1	0.41	0.41	0.49	0.49	0.92	97.97	2.03	100.00
9	2E	2759	1	0.62	0.62	0.49	0.48	0.88	95.90	4.10	100.00
9	2F	2760	1	0.38	0.38	0.48	0.49	0.92	97.64	2.36	100.00
9	3A	2759	4	2.73	2.73	0.77	0.77	0.60	64.06	34.86	98.92
9	3B	2759	4	2.74	2.76	0.77	0.77	0.60	62.94	36.00	98.94
9	3C	2759	2	1.94	1.95	0.23	0.23	0.43	93.26	6.74	100.00
9	65	2742	4	2.73	2.73	0.71	0.72	0.63	71.41	28.08	99.49
9	91	2683	4	2.43	2.44	0.80	0.80	0.60	74.10	25.34	99.44
9	116	2644	4	2.31	2.32	0.76	0.76	0.59	76.05	23.65	99.70
10	1	2754	1	0.96	0.96	0.21	0.21	0.96	99.67	0.33	100.00
10	2A	2678	1	0.71	0.71	0.45	0.45	0.87	97.09	2.91	100.00
10	2B	2678	1	0.70	0.70	0.46	0.46	0.88	97.16	2.84	100.00
10	2C	2678	1	0.74	0.75	0.44	0.44	0.86	96.68	3.32	100.00
10	2D	2677	1	0.79	0.79	0.41	0.41	0.75	93.68	6.32	100.00
10	2E	2671	1	0.39	0.39	0.49	0.49	0.83	94.45	5.55	100.00
10	2F	2677	1	0.82	0.82	0.38	0.38	0.80	96.12	3.88	100.00
10	3A	2672	4	2.51	2.50	0.76	0.76	0.59	66.87	31.75	98.62
10	3B	2672	4	2.50	2.49	0.75	0.75	0.56	64.81	33.73	98.54
10	3C	2672	2	1.86	1.86	0.36	0.35	0.47	86.75	13.22	99.97
10	69	2604	4	2.72	2.72	0.78	0.77	0.57	71.62	27.69	99.31
10	90	2683	4	2.43	2.44	0.80	0.80	0.60	74.10	25.34	99.44
10	116	2576	4	2.50	2.49	0.80	0.80	0.57	75.04	24.42	99.46

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Table 13. Rater Reliability Statistics – Mathematics

				Mean		SD			Agreement		
Grade	Item	N	Max Score	Rater 1	Rater 2	Rater 1	Rater 2	Weighted Kappa	Exact	Adjacent	Exact + Adjacent
3	6	3128	2	0.89	0.89	0.60	0.60	0.89	94.31	5.69	100.00
3	10	3120	2	1.09	1.09	0.83	0.84	0.87	87.81	11.45	99.26
3	15	3127	2	1.39	1.39	0.69	0.70	0.88	91.30	8.60	99.90
3	20	3132	3	1.53	1.53	1.01	1.01	0.91	87.87	11.49	99.36
3	23	3127	2	1.54	1.54	0.64	0.64	0.86	90.85	8.99	99.84
3	30	3122	2	1.39	1.39	0.81	0.81	0.95	97.47	2.47	99.94
3	37	2970	2	0.78	0.79	0.79	0.79	0.80	93.53	6.40	99.93
3	40	3130	3	2.16	2.17	0.86	0.85	0.86	84.86	14.76	99.62
4	5	3222	2	0.92	0.93	0.88	0.87	0.90	87.12	12.20	99.32
4	10	3225	3	2.65	2.65	0.67	0.67	0.84	89.54	9.84	99.38
4	15	2970	2	0.78	0.79	0.79	0.79	0.80	93.53	6.40	99.93
4	18	3223	3	2.09	2.09	0.93	0.93	0.90	86.44	13.19	99.63
4	23	3220	4	1.98	1.99	1.20	1.20	0.95	93.26	6.34	99.60
4	27	3127	2	1.39	1.39	0.69	0.70	0.88	91.30	8.60	99.90
4	35	3215	3	1.04	1.04	0.94	0.95	0.87	82.42	16.96	99.38
4	37	3194	2	1.63	1.63	0.69	0.68	0.88	93.36	6.42	99.78
4	41	3221	3	2.49	2.47	0.90	0.92	0.89	91.06	6.71	97.77
4	46	3208	4	2.86	2.86	1.50	1.49	0.92	89.99	5.67	95.66
4	52	3215	2	1.09	1.09	0.59	0.59	0.87	92.25	7.75	100.00
4	56	3205	3	1.88	1.88	1.05	1.04	0.86	78.51	20.33	98.84
4	60	3122	2	1.39	1.39	0.81	0.81	0.95	97.47	2.47	99.94
4	63	3220	3	1.56	1.56	1.12	1.12	0.96	93.85	5.84	99.69
4	69	3217	4	2.44	2.44	1.26	1.27	0.94	88.93	10.38	99.31
5	3	3222	2	0.92	0.93	0.88	0.87	0.90	87.12	12.20	99.32
5	7	3086	3	1.54	1.54	0.83	0.83	0.90	89.66	10.05	99.71
5	15	3085	2	1.52	1.52	0.74	0.74	0.86	87.52	11.99	99.51
5	17	3082	3	2.11	2.10	0.88	0.88	0.80	76.49	22.63	99.12
5	23	3208	4	2.86	2.86	1.50	1.49	0.92	89.99	5.67	95.66
5	28	3080	2	1.37	1.36	0.82	0.83	0.95	95.16	4.71	99.87
5	31	3088	3	2.16	2.15	1.06	1.06	0.95	92.03	7.80	99.83
5	34	3070	2	1.06	1.05	0.76	0.76	0.93	95.99	3.65	99.64
5	41	3220	3	1.56	1.56	1.12	1.12	0.96	93.85	5.84	99.69
5	46	3089	4	1.76	1.76	1.52	1.52	0.97	90.68	9.19	99.87
5	50	3078	2	0.95	0.96	0.92	0.92	0.91	88.88	10.89	99.77
5	55	3205	3	1.88	1.88	1.05	1.04	0.86	78.51	20.33	98.84
5	60	3078	2	1.04	1.04	0.80	0.80	0.84	84.04	15.24	99.28
5	64	3089	3	1.85	1.85	0.95	0.95	0.91	86.63	13.05	99.68
5	69	3084	4	2.55	2.53	1.01	1.01	0.75	67.64	27.53	95.17

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Table 13. Rater Reliability Statistics – Mathematics (cont'd)

				Mean		SD			Agreement		
Grade	Item	N	Max Score	Rater 1	Rater 2	Rater 1	Rater 2	Weighted Kappa	Exact	Adjacent	Exact + Adjacent
6	4	3008	2	1.73	1.73	0.47	0.48	0.90	97.41	2.46	99.87
6	6	3086	3	1.54	1.54	0.83	0.83	0.90	89.66	10.05	99.71
6	10	2989	2	1.06	1.06	0.68	0.68	0.82	87.88	11.82	99.70
6	15	2962	3	1.46	1.46	0.99	0.99	0.83	83.79	15.50	99.29
6	20	3002	4	1.99	1.99	1.16	1.17	0.87	77.85	21.12	98.97
6	23	3078	2	1.04	1.04	0.80	0.80	0.84	84.04	15.24	99.28
6	25	3009	3	0.82	0.83	0.90	0.91	0.92	91.92	7.78	99.70
6	30	2987	2	1.47	1.47	0.80	0.80	0.92	94.17	5.79	99.96
6	33	3088	3	2.16	2.15	1.06	1.06	0.95	92.03	7.80	99.83
6	40	2999	4	1.32	1.32	1.07	1.07	0.82	79.72	16.88	96.60
6	44	3002	2	1.37	1.37	0.63	0.63	0.68	76.32	23.58	99.90
6	47	3003	3	1.75	1.74	1.16	1.16	0.93	89.04	9.89	98.93
6	53	2994	2	0.66	0.66	0.80	0.80	0.91	92.55	7.25	99.80
6	58	2999	3	2.10	2.10	0.90	0.91	0.86	85.06	14.37	99.43
6	60	2986	4	1.78	1.77	1.32	1.32	0.86	76.29	20.53	96.82
7	3	2947	2	0.33	0.33	0.61	0.60	0.75	88.00	11.46	99.46
7	7	2973	3	1.64	1.66	1.16	1.17	0.86	75.61	22.38	97.99
7	12	2916	2	0.49	0.48	0.69	0.69	0.81	94.34	4.43	98.77
7	15	2952	3	1.25	1.25	1.11	1.11	0.91	90.95	8.74	99.69
7	20	2912	4	1.22	1.20	1.22	1.21	0.80	80.51	18.08	98.59
7	23	2943	2	0.50	0.51	0.81	0.81	0.89	93.74	5.89	99.63
7	26	2972	3	1.89	1.88	0.99	0.99	0.87	82.84	16.32	99.16
7	30	2937	2	1.03	1.04	0.81	0.81	0.80	83.77	15.28	99.05
7	34	2971	3	1.46	1.46	1.07	1.06	0.93	92.73	6.94	99.67
7	40	2962	4	1.07	1.08	1.48	1.50	0.87	81.86	12.97	94.83
7	43	2994	2	0.66	0.66	0.80	0.80	0.91	92.55	7.25	99.80
7	47	3003	3	1.75	1.74	1.16	1.16	0.93	89.04	9.89	98.93
7	51	2945	2	0.38	0.39	0.73	0.73	0.87	93.58	6.12	99.70
7	56	2999	3	2.10	2.10	0.90	0.91	0.86	85.06	14.37	99.43
7	60	2930	4	1.49	1.50	1.10	1.10	0.74	73.84	21.38	95.22
8	3	2861	2	1.09	1.09	0.88	0.88	0.89	87.20	12.45	99.65
8	8	2821	3	1.39	1.38	1.33	1.33	0.86	80.50	16.26	96.76
8	11	2947	2	0.33	0.33	0.61	0.60	0.75	88.00	11.46	99.46
8	15	2826	3	0.72	0.73	0.85	0.85	0.65	70.11	26.17	96.28
8	20	2789	4	1.24	1.24	0.97	0.97	0.76	89.20	10.44	99.64
8	25	2849	2	0.78	0.78	0.76	0.76	0.93	96.91	3.09	100.00
8	28	2837	3	1.30	1.30	1.04	1.05	0.83	76.49	22.70	99.19
8	32	2943	2	0.50	0.51	0.81	0.81	0.89	93.74	5.89	99.63
8	35	2841	3	1.55	1.56	1.15	1.16	0.83	72.15	25.74	97.89
8	40	2837	4	1.28	1.26	1.31	1.31	0.86	78.67	20.16	98.83
8	45	2811	2	0.84	0.84	0.96	0.95	0.90	93.37	5.84	99.21
8	48	2845	3	1.36	1.34	0.79	0.79	0.79	84.81	14.52	99.33
8	51	2945	2	0.38	0.39	0.73	0.73	0.87	93.58	6.12	99.70
8	54	2841	3	1.60	1.61	1.08	1.09	0.86	84.32	14.41	98.73
8	60	2850	4	2.82	2.83	1.14	1.15	0.86	83.16	16.11	99.27

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Table 13. Rater Reliability Statistics – Mathematics (cont'd)

				Mean		SD			Agreement		
Grade	Item	N	Max Score	Rater 1	Rater 2	Rater 1	Rater 2	Weighted Kappa	Exact	Adjacent	Exact + Adjacent
9	2	2795	1	0.51	0.51	0.50	0.50	0.82	96.91	3.09	100.00
9	7	2892	3	1.21	1.21	1.29	1.30	0.87	90.83	6.82	97.65
9	10	2944	2	0.80	0.79	0.82	0.82	0.87	89.02	10.81	99.83
9	14	2907	3	0.53	0.53	0.73	0.74	0.76	91.77	8.09	99.86
9	20	2925	4	1.67	1.66	1.14	1.13	0.76	71.55	25.17	96.72
9	23	2849	2	0.78	0.78	0.76	0.76	0.93	96.91	3.09	100.00
9	28	2897	3	0.60	0.59	0.84	0.83	0.74	82.66	16.89	99.55
9	30	2887	2	0.58	0.57	0.84	0.84	0.82	89.74	9.12	98.86
9	34	2841	3	1.55	1.56	1.15	1.16	0.83	72.15	25.74	97.89
9	40	2905	4	0.83	0.83	1.12	1.12	0.82	92.42	7.03	99.45
9	46	2949	2	0.97	0.97	0.87	0.88	0.94	96.98	2.98	99.96
9	49	2872	3	1.08	1.10	1.25	1.25	0.84	85.09	13.73	98.82
9	51	2925	2	1.21	1.22	0.83	0.82	0.84	87.55	12.07	99.62
9	53	2907	3	1.18	1.19	0.89	0.89	0.60	63.92	30.84	94.76
9	60	2850	4	2.82	2.83	1.14	1.15	0.86	83.16	16.11	99.27
10	5	2944	2	0.80	0.79	0.82	0.82	0.87	89.02	10.81	99.83
10	8	2785	3	0.67	0.67	0.85	0.85	0.71	80.50	18.78	99.28
10	13	2750	2	0.91	0.91	0.80	0.80	0.82	95.05	4.95	100.00
10	17	2907	3	0.53	0.53	0.73	0.74	0.76	91.77	8.09	99.86
10	20	2905	4	0.83	0.83	1.12	1.12	0.82	92.42	7.03	99.45
10	25	2813	2	1.23	1.24	0.64	0.65	0.67	80.05	19.42	99.47
10	28	2800	3	1.09	1.10	0.71	0.71	0.73	91.67	8.22	99.89
10	31	2887	2	0.58	0.57	0.84	0.84	0.82	89.74	9.12	98.86
10	34	2796	3	1.75	1.75	1.00	1.00	0.80	86.84	12.66	99.50
10	40	2812	4	1.90	1.91	1.01	1.01	0.65	68.32	25.92	94.24
10	44	2800	2	0.07	0.07	0.33	0.34	0.66	98.57	1.36	99.93
10	49	2792	3	1.65	1.65	1.27	1.27	0.86	89.89	9.33	99.22
10	53	2681	2	0.63	0.64	0.90	0.91	0.82	98.13	1.69	99.82
10	55	2753	3	0.82	0.84	1.11	1.12	0.78	85.86	12.72	98.58
10	60	2740	4	1.45	1.46	1.29	1.29	0.76	80.93	18.34	99.27

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Table 14. Rater Reliability Statistics – Science

				Mean		SD			Agreement		
Grade	Item	N	Max Score	Rater 1	Rater 2	Rater 1	Rater 2	Weighted Kappa	Exact	Adjacent	Exact + Adjacent
5	6	3059	2	0.60	0.62	0.69	0.69	0.76	81.85	17.36	99.21
5	21	3062	1	0.36	0.37	0.48	0.48	0.87	94.58	5.42	100.00
5	22	3057	1	0.62	0.62	0.49	0.49	0.95	98.43	1.57	100.00
5	23	3061	2	0.87	0.88	0.75	0.75	0.67	70.87	27.17	98.04
5	24	3059	1	0.46	0.47	0.50	0.50	0.65	83.22	16.78	100.00
5	25	3054	2	1.36	1.35	0.83	0.84	0.75	81.25	14.49	95.74
5	31	3040	2	0.42	0.43	0.64	0.65	0.77	85.88	13.79	99.67
5	34	3063	1	0.57	0.57	0.50	0.49	0.60	80.89	19.11	100.00
5	37	3054	2	0.68	0.69	0.79	0.80	0.85	86.48	12.93	99.41
5	41	3060	2	0.96	0.96	0.77	0.76	0.80	80.16	19.28	99.44
5	45	3065	2	0.90	0.89	0.74	0.74	0.91	93.61	6.26	99.87
5	48	3051	2	0.73	0.73	0.53	0.53	0.65	82.28	17.66	99.94
5	54	3059	2	1.38	1.38	0.79	0.79	0.69	73.94	22.69	96.63
5	57	3053	2	1.54	1.54	0.59	0.60	0.76	87.55	11.93	99.48
5	61	3069	1	0.62	0.62	0.49	0.49	0.73	87.78	12.22	100.00
5	68	3037	2	0.95	0.93	0.80	0.80	0.76	76.48	22.96	99.44
5	73	3049	2	0.74	0.73	0.63	0.63	0.83	90.62	9.25	99.87
5	75	3057	2	0.58	0.58	0.67	0.67	0.76	82.78	16.69	99.47
8	14	2919	1	0.57	0.57	0.49	0.49	0.86	93.97	6.03	100.00
8	19	2907	2	1.25	1.24	0.79	0.80	0.78	79.77	19.10	98.87
8	20	2904	1	0.57	0.57	0.50	0.50	0.77	90.27	9.73	100.00
8	21	2895	1	0.83	0.82	0.38	0.38	0.73	93.37	6.63	100.00
8	22	2916	4	2.76	2.78	1.23	1.21	0.74	62.89	29.93	92.82
8	23	2886	1	0.81	0.82	0.39	0.39	0.72	92.95	7.05	100.00
8	24	2877	1	0.27	0.27	0.45	0.45	0.81	94.60	5.40	100.00
8	25	2873	1	0.43	0.44	0.50	0.50	0.80	92.64	7.36	100.00
8	31	2878	2	0.77	0.79	0.77	0.78	0.76	80.47	18.93	99.40
8	35	2857	1	0.11	0.11	0.31	0.31	0.68	95.48	4.52	100.00
8	39	2897	2	0.55	0.55	0.55	0.56	0.77	92.28	7.51	99.79
8	44	2891	3	2.03	2.03	1.01	1.01	0.81	78.27	21.11	99.38
8	47	2872	2	1.00	0.98	0.86	0.85	0.69	72.09	24.21	96.30
8	51	2869	2	0.85	0.85	0.66	0.66	0.75	86.69	12.93	99.62
8	57	2904	2	1.62	1.63	0.62	0.62	0.68	81.84	16.95	98.79
8	62	2912	2	0.76	0.75	0.64	0.64	0.71	80.44	19.42	99.86
8	64	2918	1	0.62	0.61	0.49	0.49	0.62	82.66	17.34	100.00
8	66	2754	1	0.01	0.01	0.11	0.12	0.42	98.43	1.57	100.00
8	69	2684	2	0.09	0.09	0.34	0.34	0.52	95.51	4.26	99.77
8	73	2911	2	0.93	0.93	0.79	0.79	0.82	84.16	15.22	99.38
8	76	2828	2	0.30	0.29	0.52	0.51	0.67	93.69	6.31	100.00
8	80	2773	2	0.73	0.73	0.78	0.77	0.69	78.37	20.83	99.20
8	83	2904	2	0.84	0.83	0.51	0.50	0.75	91.46	8.51	99.97

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Table 14. Rater Reliability Statistics – Science (cont'd)

				Mean		SD			Agreement		
Grade	Item	N	Max Score	Rater 1	Rater 2	Rater 1	Rater 2	Weighted Kappa	Exact	Adjacent	Exact + Adjacent
10	9	2783	2	0.67	0.68	0.72	0.72	0.67	76.40	23.31	99.71
10	15	2799	2	0.94	0.93	0.75	0.76	0.77	88.30	11.23	99.53
10	22	2787	4	2.27	2.26	1.52	1.50	0.75	65.77	27.15	92.92
10	23	2735	2	1.05	1.06	0.87	0.87	0.80	93.39	6.02	99.41
10	24	2715	2	0.86	0.86	0.72	0.72	0.68	86.34	13.14	99.48
10	25	2681	1	0.36	0.36	0.48	0.48	0.67	89.79	10.21	100.00
10	26	2679	1	0.30	0.30	0.46	0.46	0.65	90.13	9.87	100.00
10	27	2712	1	0.41	0.42	0.49	0.49	0.53	80.00	20.00	100.00
10	29	2766	1	0.58	0.57	0.49	0.49	0.59	82.68	17.32	100.00
10	32	2754	1	0.25	0.25	0.43	0.43	0.67	90.94	9.06	100.00
10	36	2143	2	0.47	0.48	0.61	0.62	0.49	91.14	8.86	100.00
10	38	2719	2	0.37	0.37	0.65	0.65	0.70	91.82	7.81	99.63
10	39	2521	2	0.46	0.46	0.77	0.77	0.67	95.25	4.55	99.80
10	42	2556	2	0.50	0.51	0.60	0.62	0.54	80.76	18.38	99.14
10	44	2736	2	0.95	0.96	0.90	0.90	0.75	83.03	15.14	98.17
10	52	2505	2	0.22	0.23	0.44	0.44	0.46	84.29	15.42	99.71
10	55	2787	1	0.41	0.41	0.49	0.49	0.73	90.40	9.60	100.00
10	58	2788	2	0.73	0.73	0.61	0.60	0.72	91.31	8.47	99.78
10	59	2609	1	0.09	0.09	0.29	0.29	0.63	98.69	1.31	100.00
10	61	2681	2	0.47	0.48	0.62	0.62	0.62	87.33	12.37	99.70
10	63	2673	2	0.41	0.41	0.57	0.57	0.64	92.76	7.05	99.81
10	75	2767	2	0.78	0.77	0.77	0.77	0.77	88.64	11.29	99.93
10	83	2745	1	0.54	0.54	0.50	0.50	0.72	90.47	9.53	100.00

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Table 15. Rater Reliability Statistics – Spanish Reading

				Mean		SD			Agreement		
Grade	Item	N	Max Score	Rater 1	Rater 2	Rater 1	Rater 2	Weighted Kappa	Exact	Adjacent	Exact + Adjacent
3	1	239	3	1.73	1.69	1.22	1.24	0.90	88.66	10.50	99.16
3	2	239	3	1.86	1.89	1.33	1.32	0.95	95.40	4.18	99.58
3	8	239	2	1.12	1.13	0.81	0.80	0.88	88.70	11.30	100.00
3	17	236	3	1.94	1.94	1.04	1.06	0.74	69.49	26.27	95.76
3	25	239	2	1.44	1.38	0.72	0.78	0.72	73.64	25.52	99.16
3	26	239	2	0.72	0.73	0.83	0.84	0.79	84.52	12.13	96.65
3	32	237	3	1.18	1.17	0.89	0.90	0.88	95.78	4.22	100.00
3	36	238	2	1.21	1.19	0.83	0.82	0.83	81.93	18.07	100.00
4	13	26	3	1.04	1.08	0.92	0.84	0.78	88.46	11.54	100.00
4	14	24	2	0.50	0.75	0.51	0.68	0.53	75.00	25.00	100.00
4	29	26	3	2.04	2.19	1.11	1.02	0.82	84.62	15.38	100.00
4	31	26	2	0.81	0.54	0.69	0.65	0.46	61.54	34.62	96.16
4	33	26	3	1.00	1.00	0.80	0.85	0.70	76.92	23.08	100.00
4	34	25	3	0.96	1.20	0.98	1.00	0.65	72.00	24.00	96.00
4	42	25	2	0.48	0.44	0.59	0.58	0.64	88.00	12.00	100.00
4	44	24	2	1.25	1.25	0.74	0.74	0.73	100.00	0.00	100.00
4	45	25	3	0.84	1.08	0.99	0.95	0.64	72.00	24.00	96.00
4	97	25	2	0.56	0.52	0.71	0.59	0.56	72.00	28.00	100.00
4	98	25	3	1.04	1.12	1.02	1.05	0.73	84.00	16.00	100.00
4	100	26	2	0.69	0.62	0.68	0.70	0.74	84.62	15.38	100.00
4	108	26	2	1.46	1.44	0.76	0.70	0.80	92.31	7.69	100.00
4	116	26	3	1.73	1.73	0.78	0.78	0.76	92.31	7.69	100.00

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Table 16. Rater Reliability Statistics – Spanish Writing

				Mean		SD			Agreement		
Grade	Item	N	Max Score	Rater 1	Rater 2	Rater 1	Rater 2	Weighted Kappa	Exact	Adjacent	Exact + Adjacent
3	4A	232	1	0.84	0.83	0.37	0.37	0.84	97.40	2.60	100.00
3	4B	232	1	0.19	0.19	0.39	0.39	0.90	99.13	0.87	100.00
3	4C	232	1	0.71	0.72	0.45	0.45	0.91	98.70	1.30	100.00
3	4D	232	1	0.67	0.68	0.47	0.47	0.92	98.70	1.30	100.00
3	4E	232	1	0.54	0.55	0.50	0.50	0.94	99.57	0.43	100.00
3	4F	232	1	0.79	0.80	0.41	0.40	0.84	96.97	3.03	100.00
3	16A	236	2	1.39	1.43	0.58	0.57	0.56	71.91	28.09	100.00
3	16B	236	1	0.92	0.92	0.27	0.27	0.67	95.74	4.26	100.00
3	16C	236	1	0.76	0.72	0.43	0.45	0.41	77.45	22.55	100.00
3	16D	236	1	0.95	0.96	0.22	0.20	0.71	97.87	2.13	100.00
3	27A	236	2	1.23	1.25	0.70	0.69	0.74	82.13	16.17	98.30
3	27B	236	1	0.75	0.74	0.43	0.44	0.63	86.38	13.62	100.00
3	27C	236	1	0.72	0.73	0.45	0.45	0.60	84.68	15.32	100.00
3	27D	236	1	0.83	0.85	0.37	0.36	0.77	94.47	5.53	100.00
3	39A	235	2	1.06	1.05	0.48	0.49	0.49	77.78	22.22	100.00
3	39B	235	1	0.82	0.77	0.38	0.42	0.41	81.20	18.80	100.00
3	39C	235	1	0.71	0.65	0.46	0.48	0.41	74.79	25.21	100.00
3	39D	235	1	0.90	0.89	0.30	0.31	0.55	92.31	7.69	100.00
4	1	27	1	0.89	0.85	0.32	0.36	0.84	96.30	3.70	100.00
4	2A	25	1	0.88	0.88	0.33	0.33	0.77	100.00	0.00	100.00
4	2B	25	1	0.80	0.84	0.41	0.37	0.53	88.00	12.00	100.00
4	2C	25	1	0.76	0.80	0.44	0.41	0.58	88.00	12.00	100.00
4	2D	25	1	0.80	0.92	0.41	0.28	0.48	88.00	12.00	100.00
4	2E	25	1	0.48	0.52	0.51	0.51	0.68	88.00	12.00	100.00
4	2F	25	1	0.20	0.28	0.41	0.46	0.68	92.00	8.00	100.00
4	3A	26	4	1.65	1.58	1.20	0.99	0.55	61.54	26.92	88.46
4	3B	26	4	1.50	1.54	1.07	0.86	0.60	65.38	26.92	92.30
4	3C	26	2	1.46	1.73	0.51	0.45	0.47	73.08	26.92	100.00
4	25	25	4	1.44	1.40	1.08	1.08	0.69	88.00	12.00	100.00
4	63	26	4	2.00	2.08	0.94	1.16	0.67	65.38	30.77	96.15
4	90	26	4	1.85	1.85	1.08	1.08	0.82	100.00	0.00	100.00

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Table 17. Rater Severity/Leniency Study Results

Content Area	Grade	2009/2010 Item Number	2011 Item Number	Valid N	Mean 2009/ 2010	Mean 2011	Mean Difference	STD 2009/ 2010	STD 2011	% Adjacent	% Exact	% Discrepant	Corr	Intra Class Corr	Wtd Kappa
Reading	**3**	**10**	**4**	**994**	**0.86**	**0.89**	**-0.03**	**0.58**	**0.62**	**19.62**	**79.48**	**0.91**	**0.68**	**0.84**	**0.68**
Reading	3	37	37	991	1.21	1.05	0.16	0.67	0.69	30.07	69.63	0.30	0.69	0.83	0.67
Reading	4	23	23	987	0.76	1.08	-0.32	0.69	0.69	35.36	63.83	0.81	0.70	0.81	0.63
Reading	**4**	**116**	**109**	**982**	**1.02**	**1.22**	**-0.20**	**0.81**	**0.85**	**28.11**	**67.01**	**4.89**	**0.67**	**0.82**	**0.65**
Reading	5	39	36	985	0.95	1.08	-0.13	0.91	0.98	21.93	76.24	1.83	0.85	0.92	0.84
Reading	**5**	**35**	**43**	**974**	**0.94**	**0.98**	**-0.04**	**0.83**	**0.86**	**19.82**	**77.31**	**2.87**	**0.78**	**0.89**	**0.78**
Reading	6	20	11	985	2.29	2.34	-0.05	0.94	0.92	12.99	86.60	0.41	0.91	0.96	0.91
Reading	**6**	**36**	**45**	**987**	**1.07**	**1.04**	**0.03**	**0.83**	**0.82**	**13.07**	**86.52**	**0.41**	**0.89**	**0.95**	**0.89**
Reading	7	4	4	981	2.43	2.49	-0.06	0.83	0.80	11.62	87.26	1.12	0.88	0.94	0.88
Reading	7	44	47	984	1.55	1.52	0.03	0.77	0.77	9.25	90.14	0.61	0.90	0.95	0.90
Reading	8	39	47	946	1.42	1.37	0.05	0.78	0.79	12.58	86.05	1.37	0.86	0.93	0.85
Reading	**8**	**109**	**109**	**961**	**2.12**	**2.07**	**0.05**	**1.02**	**1.04**	**29.97**	**67.53**	**2.50**	**0.81**	**0.90**	**0.81**
Reading	9	16	18	969	2.13	2.17	-0.04	1.04	1.03	4.85	92.26	2.89	0.92	0.96	0.92
Reading	**9**	**90**	**93**	**930**	**1.38**	**1.14**	**0.24**	**1.09**	**0.96**	**40.00**	**52.80**	**7.20**	**0.70**	**0.84**	**0.68**
Reading	**10**	**11**	**19**	**970**	**1.43**	**1.31**	**0.12**	**0.66**	**0.68**	**35.05**	**63.51**	**1.44**	**0.56**	**0.77**	**0.55**
Reading	10	49	31	960	1.04	0.91	0.13	0.80	0.86	32.50	60.52	6.98	0.57	0.78	0.56
Writing	**3**	**39A**	**39A**	**989**	**1.08**	**1.30**	**-0.22**	**0.30**	**0.47**	**25.28**	**74.62**	**0.10**	**0.34**	**0.61**	**0.27**
Writing	**3**	**39B**	**39B**	**989**	**0.99**	**0.99**	**0.00**	**0.10**	**0.08**	**0.91**	**99.09**	**0.00**	**0.47**	**0.73**	**0.47**
Writing	**3**	**39C**	**39C**	**989**	**0.74**	**0.68**	**0.06**	**0.44**	**0.47**	**17.80**	**82.20**	**0.00**	**0.58**	**0.78**	**0.57**
Writing	**3**	**39D**	**39D**	**989**	**0.89**	**0.81**	**0.08**	**0.31**	**0.39**	**17.29**	**82.71**	**0.00**	**0.35**	**0.66**	**0.33**
Writing	**4**	**73**	**69**	**995**	**2.53**	**2.46**	**0.07**	**0.75**	**0.78**	**32.06**	**67.64**	**0.30**	**0.72**	**0.86**	**0.72**
Writing	**5**	**64**	**65**	**992**	**2.80**	**2.84**	**-0.04**	**0.73**	**0.74**	**35.28**	**63.51**	**1.21**	**0.62**	**0.81**	**0.62**
Writing	6	79	80	997	2.61	2.74	-0.13	0.65	0.62	26.28	73.42	0.30	0.68	0.83	0.67
Writing	7	60	95	998	2.88	2.78	0.10	0.66	0.72	27.15	72.75	0.10	0.73	0.86	0.72
Writing	8	88	94	964	2.46	2.41	0.05	0.74	0.68	25.52	74.38	0.10	0.75	0.87	0.74

* Items from 2010 are in bold.

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Table 17. Rater Severity/Leniency Study Results (cont'd)

Content Area	Grade	2009/2010 Item Number	2011 Item Number	Valid N	Mean 2009/ 2010	Mean 2011	Mean Difference	STD 2009/ 2010	STD 2011	% Adjacent	% Exact	% Discrepant	Corr	Intra Class Corr	Wtd Kappa
Writing	9	116	91	990	2.46	2.51	-0.05	0.73	0.81	29.60	69.70	0.71	0.73	0.86	0.72
Writing	10	94	90	982	2.42	2.40	0.02	0.78	0.78	28.92	70.77	0.31	0.75	0.87	0.75
Mathematics	3	31	30	998	1.36	1.31	0.05	0.84	0.84	5.21	93.69	1.10	0.93	0.97	0.93
Mathematics	3	40	40	1001	2.10	2.20	-0.10	0.83	0.85	15.38	84.02	0.60	0.88	0.94	0.87
Mathematics	**4**	**23**	**23**	**997**	**1.94**	**1.93**	**0.01**	**1.20**	**1.19**	**6.22**	**93.48**	**0.30**	**0.97**	**0.99**	**0.97**
Mathematics	4	28	27	999	1.57	1.56	0.01	0.62	0.63	7.41	92.49	0.10	0.90	0.95	0.90
Mathematics	4	63	63	1003	1.80	1.83	-0.03	1.11	1.10	5.18	94.62	0.20	0.98	0.99	0.98
Mathematics	**5**	**17**	**15**	**1000**	**1.46**	**1.44**	**0.02**	**0.77**	**0.77**	**10.60**	**88.80**	**0.60**	**0.89**	**0.94**	**0.89**
Mathematics	5	54	55	999	2.31	2.41	-0.10	0.86	0.87	22.42	74.67	2.90	0.77	0.88	0.77
Mathematics	5	69	69	999	2.54	2.69	-0.15	1.05	0.97	27.93	68.47	3.60	0.80	0.89	0.79
Mathematics	**6**	**4**	**4**	**999**	**1.78**	**1.80**	**-0.02**	**0.46**	**0.41**	**2.10**	**97.50**	**0.40**	**0.91**	**0.95**	**0.90**
Mathematics	6	16	15	973	1.50	1.53	-0.03	1.05	1.01	11.82	87.98	0.21	0.94	0.97	0.94
Mathematics	**6**	**20**	**20**	**996**	**2.05**	**2.12**	**-0.07**	**1.09**	**1.17**	**23.09**	**75.80**	**1.10**	**0.90**	**0.95**	**0.89**
Mathematics	7	26	12	964	0.55	0.59	-0.04	0.71	0.71	9.96	87.55	2.49	0.80	0.90	0.80
Mathematics	**7**	**20**	**20**	**985**	**1.55**	**1.52**	**0.03**	**1.31**	**1.27**	**18.07**	**79.80**	**2.13**	**0.92**	**0.96**	**0.92**
Mathematics	7	57	56	999	2.38	2.42	-0.04	0.77	0.73	14.01	85.69	0.30	0.87	0.93	0.86
Mathematics	8	2	3	1001	1.33	1.27	0.06	0.81	0.83	17.68	81.62	0.70	0.85	0.92	0.85
Mathematics	8	6	8	966	1.63	1.63	0.00	1.22	1.29	26.09	70.50	3.42	0.87	0.93	0.87
Mathematics	8	50	48	991	1.29	1.29	0.00	0.80	0.82	13.42	85.97	0.61	0.88	0.94	0.88
Mathematics	9	4	10	995	0.91	0.90	0.01	0.79	0.82	17.39	82.51	0.10	0.86	0.93	0.86
Mathematics	9	29	28	979	0.76	0.67	0.09	1.01	0.89	21.04	77.83	1.12	0.87	0.93	0.86
Mathematics	**9**	**35**	**34**	**988**	**1.54**	**1.80**	**-0.26**	**1.14**	**1.06**	**36.94**	**61.34**	**1.72**	**0.85**	**0.91**	**0.82**
Mathematics	10	14	8	984	0.79	0.80	-0.01	0.93	0.92	20.63	78.35	1.02	0.85	0.93	0.85
Mathematics	10	40	40	996	1.86	2.15	-0.29	1.01	1.09	25.00	66.47	8.53	0.77	0.86	0.73
Mathematics	**10**	**52**	**53**	**929**	**0.68**	**0.67**	**0.01**	**0.91**	**0.91**	**3.23**	**96.12**	**0.65**	**0.96**	**0.98**	**0.96**

* Items from 2010 are in bold.

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Table 17. Rater Severity/Leniency Study Results (cont'd)

Content Area	Grade	2009/2010 Item Number	2011 Item Number	Valid N	Mean 2009/ 2010	Mean 2011	Mean Difference	STD 2009/ 2010	STD 2011	% Adjacent	% Exact	% Discrepant	Corr	Intra Class Corr	Wtd Kappa
Science	5	24	24	999	0.47	0.56	-0.09	0.50	0.50	17.42	82.58	0.00	0.66	0.83	0.65
Science	**5**	**49**	**48**	**995**	**0.84**	**0.81**	**0.03**	**0.58**	**0.48**	**21.61**	**78.39**	**0.00**	**0.63**	**0.81**	**0.62**
Science	**8**	**14**	**14**	**999**	**0.61**	**0.64**	**-0.03**	**0.49**	**0.48**	**7.21**	**92.79**	**0.00**	**0.85**	**0.92**	**0.85**
Science	8	22	22	995	2.82	2.78	0.04	1.17	1.18	28.14	63.82	8.04	0.76	0.88	0.76
Science	**8**	**37**	**44**	**990**	**2.02**	**2.07**	**-0.05**	**0.97**	**1.00**	**21.01**	**78.48**	**0.51**	**0.88**	**0.94**	**0.88**
Science	10	22	22	986	2.53	2.35	0.18	1.37	1.48	28.50	64.50	7.00	0.86	0.93	0.85
Science	**10**	**29**	**29**	**967**	**0.62**	**0.61**	**0.01**	**0.48**	**0.49**	**13.75**	**86.25**	**0.00**	**0.71**	**0.85**	**0.71**
Science	**10**	**68**	**75**	**969**	**0.83**	**0.86**	**-0.03**	**0.78**	**0.78**	**9.91**	**89.99**	**0.10**	**0.92**	**0.96**	**0.92**

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Table 18. Tested Population Demographic Distribution – Reading

	Grade							
Subgroup	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
No Disability	56000	56390	55743	54541	53902	52925	54055	52033
Disability	5479	5937	5980	5817	5499	5095	4827	4425
No IEP	55999	56380	55732	54534	53893	52913	54040	52027
IEP	5476	5935	5976	5814	5493	5094	4829	4423
No Accommodation	51301	50848	50524	51447	52654	51819	55274	53531
Accommodation	10132	11446	11170	8879	6715	6168	3585	2898
Am. Indian/Alaska Native	483	551	519	524	520	509	494	530
Asian	2062	1975	1902	1805	1828	1795	1810	1813
Black	2879	2919	2985	3040	2983	2764	2985	2852
Hispanic	19435	20250	20064	19249	18495	17446	17487	15869
White	34599	34548	34285	33860	33769	33777	34366	33799
Hawaiian/Pacific Islander	115	118	143	137	129	131	127	133
Two or More Races	1904	1964	1824	1743	1678	1601	1610	1455
Not Free Lunch Eligible	34693	34796	34751	34865	35144	35563	37671	37899
Free Lunch Eligible	22313	22829	22306	20938	19804	18267	17249	15025
Reduced Lunch Eligible	4450	4686	4646	4538	4428	4168	3919	3505
Female	30030	30686	30144	29572	29192	28419	28870	27563
Male	31443	31643	31578	30785	30208	29601	30011	28894
Language Proficiency NA	50267	50309	50151	49770	49189	48446	49697	48123
Language Proficiency NEP	2083	1914	1295	893	724	640	835	764
Language Proficiency LEP	7599	7529	6795	5293	4651	3631	3269	2772
Language Proficiency FEP	1528	2573	3480	4402	4836	5303	5077	4798
Not Migrant Or Immigrant	60528	61508	60899	59581	58626	57304	58042	55689
Migrant	222	202	251	210	228	182	192	169
Immigrant	690	582	521	528	511	503	606	574
Migrant and Immigrant	34	23	34	29	21	18	24	13

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Table 19. Tested Population Demographic Distribution – Writing

	Grade							
Subgroup	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
No Disability	56136	56352	55709	54531	53904	52908	54077	52039
Disability	5517	5952	5996	5826	5509	5102	4850	4419
No IEP	56127	56342	55698	54525	53895	52896	54062	52033
IEP	5520	5950	5992	5822	5503	5101	4852	4417
No Accommodation	50721	49711	50168	51235	51888	51425	54852	53221
Accommodation	10894	12505	11456	9051	7487	6532	4013	3166
Am. Indian/Alaska Native	485	549	518	524	521	511	495	530
Asian	2074	1971	1902	1806	1823	1793	1808	1811
Black	2895	2916	2977	3038	2980	2766	2986	2848
Hispanic	19523	20249	20057	19248	18503	17442	17517	15887
White	34656	34539	34285	33861	33774	33772	34378	33789
Hawaiian/Pacific Islander	115	117	143	137	130	131	127	133
Two or More Races	1905	1961	1822	1743	1683	1598	1613	1453
Not Free Lunch Eligible	34788	34780	34755	34859	35139	35549	37677	37896
Free Lunch Eligible	22381	22828	22290	20940	19813	18276	17281	15028
Reduced Lunch Eligible	4467	4680	4641	4541	4436	4163	3926	3505
Female	30127	30670	30133	29567	29193	28412	28892	27565
Male	31526	31636	31571	30789	30219	29598	30034	28892
Language Proficiency NA	50376	50293	50145	49769	49204	48438	49716	48120
Language Proficiency NEP	2116	1909	1293	897	723	635	842	761
Language Proficiency LEP	7631	7527	6791	5290	4651	3633	3279	2780
Language Proficiency FEP	1528	2573	3474	4401	4834	5304	5086	4796
Not Migrant Or Immigrant	60697	61486	60881	59578	58639	57293	58086	55688
Migrant	222	201	251	210	228	182	193	168
Immigrant	693	582	521	529	509	504	606	575
Migrant and Immigrant	34	23	34	30	22	18	24	13

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Table 20. Tested Population Demographic Distribution – Mathematics

	Grade							
Subgroup	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
No Disability	57245	56531	55785	54582	53947	52951	54167	52196
Disability	5622	5978	6018	5832	5528	5109	4850	4437
No IEP	57241	56518	55773	54572	53941	52938	54153	52191
IEP	5620	5978	6015	5830	5523	5109	4853	4437
No Accommodation	51587	51455	51632	52316	52684	51554	55041	53502
Accommodation	11234	11030	10128	8052	6760	6472	3944	3107
Am. Indian/Alaska Native	487	547	519	523	524	508	494	532
Asian	2074	1978	1909	1812	1831	1795	1812	1816
Black	2887	2924	2982	3043	2986	2764	3002	2857
Hispanic	20737	20388	20089	19272	18524	17484	17550	15937
White	34663	34585	34337	33884	33797	33776	34412	33897
Hawaiian/Pacific Islander	116	118	142	136	128	131	127	133
Two or More Races	1902	1965	1820	1744	1687	1604	1615	1458
Not Free Lunch Eligible	34846	34837	34803	34877	35174	35546	37718	37990
Free Lunch Eligible	23452	22965	22334	20976	19835	18321	17326	15090
Reduced Lunch Eligible	4550	4688	4644	4541	4443	4170	3929	3529
Female	30746	30763	30174	29596	29204	28435	28921	27629
Male	32118	31745	31626	30818	30268	29625	30094	29004
Language Proficiency NA	50368	50351	50214	49801	49238	48451	49794	48271
Language Proficiency NEP	2751	2036	1314	907	742	649	858	771
Language Proficiency LEP	8211	7551	6796	5304	4657	3650	3278	2783
Language Proficiency FEP	1536	2569	3476	4402	4837	5310	5081	4808
Not Migrant Or Immigrant	61806	61635	60970	59628	58694	57341	58168	55859
Migrant	237	205	248	211	230	181	197	169
Immigrant	778	628	531	533	519	507	611	579
Migrant and Immigrant	39	27	34	30	21	18	24	14

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Table 21. Tested Population Demographic Distribution – Science

	Grade		
Subgroup	**5**	**8**	**10**
No Disability	55773	52870	52119
Disability	6009	5084	4453
No IEP	55759	52858	52111
IEP	6010	5084	4453
No Accommodation	52693	52663	53584
Accommodation	9050	5262	2960
Am. Indian/Alaska Native	520	504	532
Asian	1905	1794	1811
Black	2987	2765	2854
Hispanic	20089	17423	15915
White	34316	33743	33863
Hawaiian/Pacific Islander	143	131	133
Two or More Races	1822	1597	1460
Not Free Lunch Eligible	34798	35516	37953
Free Lunch Eligible	22320	18255	15072
Reduced Lunch Eligible	4644	4161	3518
Female	30172	28386	27593
Male	31610	29566	28977
Language Proficiency NA	50190	48376	48211
Language Proficiency NEP	1310	643	768
Language Proficiency LEP	6798	3639	2783
Language Proficiency FEP	3481	5296	4809
Not Migrant Or Immigrant	60960	57237	55801
Migrant	248	181	171
Immigrant	523	505	575
Migrant and Immigrant	34	19	13

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Table 22. Tested Population Demographic Distribution – Spanish Reading and Writing

	Reading Grade		Writing Grade	
Subgroup	**3**	**4**	**3**	**4**
No Disability	1100	123	1133	120
Disability	92	2	89	2
No IEP	1100	123	1133	120
IEP	92	2	89	2
No Accommodation	911	75	892	72
Accommodation	280	50	329	50
Am. Indian/Alaska Native	2	.	2	.
Asian	.	.	.	.
Black	.	.	.	.
Hispanic	1179	122	1208	119
White	11	3	12	3
Hawaiian/Pacific Islander	.	.	.	.
Two or More Races	.	.	.	.
Not Free Lunch Eligible	71	17	76	17
Free Lunch Eligible	1040	103	1064	100
Reduced Lunch Eligible	81	4	82	4
Female	618	65	633	65
Male	574	60	589	57
Language Proficiency NA	6	1	7	1
Language Proficiency NEP	623	110	629	108
Language Proficiency LEP	554	14	577	13
Language Proficiency FEP	9	.	9	.
Not Migrant Or Immigrant	1091	78	1122	77
Migrant	14	4	14	4
Immigrant	82	39	81	37
Migrant and Immigrant	5	4	5	4

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Table 23. Multiple-Choice Item Analyses, Grade 3 Reading

Mean Item-Total Corr.: 0.42 Mean *p*-Value: 0.67

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	1	1/4	0.42	0.11	0.54	21	2	1	1/4	0.30	0.40	0.59
2	1	1	1/4	0.34	0.11	0.44	22	2	1	1/4	0.51	0.10	0.76
3	1	1	3	0.44	0.11	0.64	24	2	1	3	0.50	1.91	0.74
5	1	1	1/4	0.52	0.21	0.74	25	2	1	2	0.35	0.17	0.52
6	1	1	3	0.47	0.37	0.70	26	2	1	3	0.50	0.16	0.66
7	1	1	2	0.31	0.10	0.75	28	2	1	2	0.39	0.23	0.69
8	1	1	2	0.42	0.24	0.40	29	2	1	2	0.51	0.73	0.71
9	1	1	2	0.38	0.16	0.65	30	2	1	2	0.44	0.79	0.79
10	1	1	2	0.48	0.60	0.64	32	2	1	1/4	0.50	1.97	0.66
11	1	1	1/4	0.31	0.20	0.42	33	2	1	3	0.47	0.42	0.76
12	1	1	1/4	0.33	0.23	0.78	34	2	1	3	0.43	0.78	0.84
14	1	1	1/4	0.46	0.38	0.85	35	2	1	2	0.45	1.12	0.70
15	1	1	1/4	0.40	0.45	0.43	36	2	1	2	0.32	1.28	0.64
17	1	1	3	0.47	0.74	0.77	38	2	1	2	0.36	2.29	0.40
18	1	1	3	0.47	0.85	0.89	39	2	1	3	0.47	2.80	0.85
19	2	1	1/4	0.40	0.05	0.79	40	2	1	3	0.32	3.20	0.64

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Table 24. Constructed-Response Item Analyses, Grade 3 Reading

Mean Item-Total Corr.: 0.54 Mean *p*-Value: 0.43

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
4		1	1	1/4	0.57	25.64	58.67	14.37			1.32	0.44
13		1	1	1/4	0.53	21.32	37.43	32.41	7.31		1.53	0.41
16		1	1	1/4	0.46	16.79	24.23	57.26			1.72	0.69
20		2	1	1/4	0.49	21.59	49.18	24.52	3.90		0.81	0.37
23		2	1	1/4	0.48	33.41	40.21	20.42	4.90		1.06	0.32
27		2	1	2	0.60	37.52	51.88	8.89			1.71	0.35
31		2	1	1/4	0.65	29.61	24.16	28.80	15.81		1.62	0.43
37		2	1	2	0.56	25.63	52.77	18.86			2.73	0.45

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Table 25. Multiple-Choice Item Analyses, Grade 3 Reading (Spanish)

Mean Item-Total Corr.: 0.39 Mean *p*-Value: 0.60

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
3	1	1	2	0.34	0.17	0.28	21	2	1	1/4	0.37	0.34	0.94
4	1	1	2	0.31	0.00	0.67	22	2	1	1/4	0.43	0.00	0.68
5	1	1	3	0.38	0.25	0.38	23	2	1	1/4	0.49	0.17	0.84
6	1	1	3	0.31	0.50	0.25	24	2	1	3	0.48	0.25	0.82
7	1	1	1/4	0.29	0.08	0.27	27	2	1	2	0.32	0.34	0.89
9	1	1	3	0.32	0.42	0.49	28	2	1	3	0.51	0.00	0.72
10	1	1	3	0.33	0.50	0.59	29	2	1	3	0.38	0.08	0.74
11	1	1	1/4	0.45	0.25	0.68	30	2	1	2	0.38	0.08	0.52
12	1	1	1/4	0.35	0.25	0.52	31	2	1	2	0.44	0.50	0.60
13	1	1	1/4	0.34	0.59	0.32	33	2	1	2	0.37	0.25	0.62
14	1	1	1/4	0.09	0.84	0.38	34	2	1	2	0.28	0.42	0.48
15	1	1	3	0.48	1.17	0.77	35	2	1	3	0.17	0.84	0.37
16	1	1	1/4	0.43	0.76	0.85	37	2	1	1/4	0.59	0.92	0.74
18	1	1	1/4	0.45	7.30	0.74	38	2	1	3	0.48	1.26	0.61
19	1	1	1/4	0.49	2.43	0.77	39	2	1	1/4	0.44	1.34	0.59
20	1	1	3	0.46	2.35	0.66	40	2	1	3	0.43	1.09	0.57

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Table 26. Constructed-Response Item Analyses, Grade 3 Reading (Spanish)

Mean Item-Total Corr.: 0.59 Mean *p*-Value: 0.56

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
1		1	1	2	0.56	29.11	9.73	24.24	36.74		0.17	0.56
2		1	1	2	0.67	29.87	6.63	11.49	51.17		0.84	0.61
8		1	1	1/4	0.61	26.34	35.91	37.42			0.34	0.55
17		1	1	1/4	0.61	14.26	21.22	22.82	39.43		2.27	0.62
25		2	1	1/4	0.56	12.92	27.68	59.14			0.25	0.73
26		2	1	1/4	0.50	48.74	23.99	26.51			0.76	0.39
32		2	1	2	0.56	25.92	34.06	31.80	7.30		0.92	0.40
36		2	1	1/4	0.66	23.99	29.95	44.97			1.09	0.60

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Table 27. Multiple-Choice Item Analyses, Grade 3 Writing

Mean Item-Total Corr.: 0.45 Mean *p*-Value: 0.79

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
2	1	2		0.45	0.07	0.87	21	2	3	7	0.45	0.02	0.93
3	1	3	7	0.40	0.06	0.96	22	2	3	7	0.42	0.05	0.92
4	1	3	7	0.50	0.09	0.90	23	2	3	7	0.38	0.08	0.89
5	1	3	7	0.50	0.24	0.89	24	2	3	7	0.50	0.09	0.65
6	1	3	8	0.43	0.07	0.92	25	2	3	8	0.41	0.24	0.74
7	1	3	7	0.49	0.17	0.84	26	2	2	5	0.43	0.29	0.89
8	1	3	7	0.42	0.28	0.88	28	2	3	8	0.47	0.08	0.92
9	1	3	7	0.47	0.38	0.85	29	2	3	8	0.51	0.16	0.81
11	1	2	5	0.31	0.22	0.42	30	2	3	8	0.39	0.30	0.93
12	1	2		0.42	6.11	0.79	31	2	2	5	0.31	0.13	0.56
13	1	3	7	0.36	0.48	0.39	32	2	3	8	0.49	0.42	0.68
14	1	2		0.42	0.37	0.79	33	2	3	8	0.55	0.12	0.81
15	1	2		0.40	2.62	0.79	34	2	3	8	0.46	0.18	0.92
16	1	2		0.50	0.87	0.65	35	2	3	8	0.55	0.21	0.82
17	1	2	5	0.48	0.18	0.66	36	2	3	8	0.45	0.15	0.74
18	1	2	5	0.46	0.21	0.79	37	2	3	8	0.55	0.36	0.83
19	1	2	5	0.40	0.27	0.78	38	2	3	7	0.41	0.59	0.68
20	1	2	5	0.48	0.31	0.88							

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Table 28. Constructed-Response Item Analyses, Grade 3 Writing

Mean Item-Total Corr.: 0.49 Mean *p*-Value: 0.79

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
1	A	1	3	8	0.50	16.47	83.47				0.06	0.83
1	B	1	3	7	0.62	23.40	76.54				0.06	0.77
1	C	1	3	7	0.54	20.89	79.05				0.06	0.79
1	D	1	3	8	0.52	34.44	65.51				0.06	0.66
1	E	1	3	8	0.47	25.10	74.84				0.06	0.75
1	F	1	3	7	0.59	26.64	73.31				0.06	0.73
10	A	1	2	5	0.42	1.33	68.42	29.76			0.49	0.64
10	B	1	2	5	0.34	2.36	97.14				0.49	0.97
10	C	1	2	5	0.56	26.16	73.34				0.49	0.73
10	D	1	3	5	0.53	12.81	86.70				0.49	0.87
27	A	2	2	5	0.45	1.40	60.80	37.41			0.39	0.68
27	B	2	2	5	0.39	2.73	96.87				0.40	0.97
27	C	2	2	5	0.57	23.23	76.38				0.39	0.76
27	D	2	3	5	0.54	14.82	84.78				0.39	0.85
39	A	2	2	5	0.45	1.16	63.98	34.43			0.43	0.66
39	B	2	2	5	0.35	2.17	97.40				0.43	0.97
39	C	2	2	5	0.56	24.37	75.19				0.43	0.75
39	D	2	3	5	0.49	10.08	89.49				0.43	0.89

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Table 29. Multiple-Choice Item Analyses, Grade 3 Writing (Spanish)

Mean Item-Total Corr.: 0.41 Mean *p*-Value: 0.73

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	3	7	0.42	0.08	0.86	21	2	3	8	0.35	0.08	0.76
2	1	3	7	0.44	0.08	0.86	22	2	3	8	0.47	0.08	0.63
3	1	3	7	0.44	0.25	0.90	23	2	3	8	0.47	0.41	0.77
5	1	3	7	0.42	0.00	0.64	24	2	3	8	0.35	0.00	0.73
6	1	3	7	0.36	0.16	0.83	25	2	3	8	0.47	0.00	0.79
7	1	3	7	0.38	0.57	0.77	26	2	3	8	0.39	0.08	0.44
8	1	3	7	0.43	1.23	0.56	28	2	3	7	0.46	0.25	0.70
9	1	3	7	0.45	1.55	0.55	29	2	3	7	0.45	0.33	0.90
10	1	3	7	0.35	0.00	0.95	30	2	3	7	0.45	0.98	0.86
11	1	3	7	0.42	0.08	0.84	31	2	3	7	0.51	0.82	0.75
12	1	3	7	0.44	0.33	0.92	32	2	3	7	0.45	1.06	0.61
13	1	2		0.39	0.25	0.77	33	2	2		0.42	1.39	0.70
14	1	2		0.42	0.25	0.79	34	2	2		0.43	0.25	0.92
15	1	2	7	0.46	0.57	0.79	35	2	2		0.44	0.57	0.93
17	1	2		0.45	1.06	0.77	36	2	2		0.47	0.57	0.69
18	1	2		0.20	1.06	0.24	37	2	2		0.36	0.33	0.53
19	1	2		0.23	1.23	0.27	38	2	2		0.32	0.65	0.78
20	2	3	8	0.49	0.00	0.73							

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Table 30. Constructed-Response Item Analyses, Grade 3 Writing (Spanish)

Mean Item-Total Corr.: 0.51 Mean *p*-Value: 0.70

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
4	A	1	3	8	0.47	17.76	80.85				1.39	0.81
4	B	1	3	7	0.37	76.19	22.42				1.39	0.22
4	C	1	3	8	0.56	34.29	64.32				1.39	0.64
4	D	1	3	8	0.49	38.71	59.90				1.39	0.60
4	E	1	3	7	0.47	44.93	53.68				1.39	0.54
4	F	1	3	7	0.40	18.66	79.95				1.39	0.80
16	A	1	2	5	0.51	5.56	52.78	41.00			0.65	0.67
16	B	1	2	5	0.49	9.33	90.02				0.65	0.90
16	C	1	2	5	0.50	23.90	75.53				0.57	0.76
16	D	1	3	5	0.52	8.35	91.08				0.57	0.91
27	A	2	2	5	0.60	15.63	44.19	39.53			0.65	0.62
27	B	2	2	5	0.61	25.70	73.65				0.65	0.74
27	C	2	2	5	0.63	28.97	70.38				0.65	0.70
27	D	2	3	5	0.58	16.45	82.90				0.65	0.83
39	A	2	2	5	0.48	11.78	72.18	15.14			0.90	0.51
39	B	2	2	5	0.54	23.24	75.94				0.82	0.76
39	C	2	2	5	0.54	34.86	64.32				0.82	0.64
39	D	2	3	5	0.49	13.42	85.76				0.82	0.86

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Table 31. Multiple-Choice Item Analyses, Grade 3 Mathematics

Mean Item-Total Corr.: 0.43 Mean *p*-Value: 0.68

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	4/5		0.38	5.80	0.86	21	2	4/5		0.37	0.31	0.87
2	1	1		0.00	0.16	0.14	22	2	1		0.52	0.23	0.68
3	1	4/5		0.36	0.12	0.29	24	2	6		0.28	0.49	0.91
4	1	1		0.35	0.17	0.72	25	2	2/3		0.35	0.32	0.62
5	1	4/5		0.41	0.12	0.51	26	2	4/5		0.37	0.24	0.85
7	1	6		0.40	0.15	0.90	27	2	1		0.51	0.25	0.63
8	1	2/3		0.29	0.10	0.88	28	2	6		0.44	1.14	0.76
9	1	2/3		0.50	0.17	0.76	29	2	4/5		0.38	0.48	0.68
11	1	2/3		0.52	0.13	0.56	31	2	4/5		0.58	0.12	0.53
12	1	4/5		0.38	0.13	0.79	32	2	2/3		0.57	0.83	0.65
13	1	6		0.47	0.26	0.75	33	2	4/5		0.57	0.16	0.62
14	1	4/5		0.39	0.67	0.65	34	2	2/3		0.59	0.22	0.72
16	1	2/3		0.49	0.47	0.85	35	2	6		0.45	1.43	0.61
17	1	2/3		0.53	0.30	0.74	36	2	2/3		0.52	0.27	0.35
18	1	1		0.50	0.30	0.63	38	2	4/5		0.59	0.45	0.63
19	1	1		0.40	0.83	0.86	39	2	4/5		0.24	0.11	0.88

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Table 32. Constructed-Response Item Analyses, Grade 3 Mathematics

Mean Item-Total Corr.: 0.62 Mean *p*-Value: 0.59

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
6		1	6		0.62	24.71	62.31	12.82			0.15	0.44
10		1	1		0.64	31.16	29.49	39.05			0.30	0.54
15		1	2/3		0.52	12.37	36.55	50.88			0.20	0.69
20		1	4/5		0.67	14.75	40.65	20.92	23.54		0.14	0.51
23		2	4/5		0.55	7.49	30.54	61.90			0.07	0.77
30		2	2/3		0.66	21.37	19.59	58.67			0.37	0.68
37		2	1		0.64	42.40	30.29	21.88			5.44	0.37
40		2	6		0.67	3.03	21.41	32.38	43.13		0.04	0.72

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Table 33. Multiple-Choice Item Analyses, Grade 4 Reading

Mean Item-Total Corr.: 0.43 Mean *p*-Value: 0.70

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
4	3	6	1/4	0.30	1.98	0.93	38	4	1	1/4	0.50	0.34	0.66
6	3	6	3	0.51	0.15	0.52	40	4	4	2	0.44	0.22	0.55
7	3	6	1/4	0.49	0.27	0.72	42	4	6	2	0.53	0.96	0.74
8	3	1	3	0.25	0.35	0.92	44	4	1	2	0.54	0.35	0.85
9	3	1	3	0.36	0.10	0.55	45	4	4	2	0.48	0.74	0.69
10	3	5		0.36	0.14	0.82	46	4	1	1/4	0.51	0.52	0.72
11	3	4	2	0.39	0.13	0.60	47	4	6	1/4	0.36	0.61	0.56
12	3	5		0.53	0.15	0.62	48	4	6	1/4	0.46	0.69	0.72
13	3	1	3	0.50	0.24	0.86	49	4	1	1/4	0.36	0.84	0.53
14	3	5		0.36	0.09	0.88	51	4	4	1/4	0.36	1.26	0.74
15	3	5		0.37	0.21	0.56	94	6	4	2	0.52	0.08	0.69
16	3	6	1/4	0.36	0.09	0.39	95	6	4	2	0.42	0.22	0.80
17	3	6	1/4	0.18	0.22	0.15	96	6	4	2	0.43	0.28	0.90
19	3	1	3	0.43	0.37	0.45	97	6	5		0.48	0.17	0.83
21	3	1	2	0.43	0.74	0.79	98	6	5		0.44	0.66	0.55
22	3	1	2	0.31	0.76	0.68	99	6	1	3	0.45	0.15	0.90
24	3	1	2	0.46	0.95	0.53	100	6	5		0.52	0.34	0.73
25	3	1	3	0.46	1.15	0.91	102	6	6	1/4	0.25	0.12	0.77
26	3	1	3	0.41	1.23	0.82	103	6	6	1/4	0.46	0.25	0.76
27	3	5		0.44	1.67	0.65	104	6	6	1/4	0.53	0.27	0.72
28	3	5		0.53	1.78	0.64	105	6	4	1/4	0.55	0.40	0.76
29	4	1	1/4	0.37	0.02	0.85	106	6	6	1/4	0.54	0.46	0.87
31	4	1	1/4	0.28	0.16	0.64	107	6	1	3	0.31	0.55	0.42
32	4	1	1/4	0.48	0.14	0.85	110	6	5		0.30	0.56	0.55
34	4	1	3	0.48	1.14	0.76	111	6	1	2	0.41	0.45	0.65
35	4	4	1/4	0.56	0.06	0.84	112	6	4	2	0.46	0.60	0.60
36	4	4	1/4	0.44	0.15	0.80	113	6	1	3	0.50	0.58	0.78
37	4	1	1/4	0.54	0.17	0.79	115	6	5		0.37	0.82	0.43

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Table 34. Constructed-Response Item Analyses, Grade 4 Reading

Mean Item-Total Corr.: 0.53 Mean *p*-Value: 0.49

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
5		3	4	1/4	0.59	21.62	34.69	43.30			0.40	0.61
18		3	5		0.60	28.67	20.69	24.74	22.55		3.35	0.46
20		3	1	1/4	0.57	19.47	38.92	34.61	5.25		1.74	0.41
23		3	1	2	0.52	17.46	47.09	33.53			1.92	0.57
30		4	1	1/4	0.48	18.28	38.18	37.19	5.72		0.63	0.43
33		4	1	1/4	0.47	25.20	39.87	23.64	10.34		0.95	0.39
39		4	6	1/4	0.46	27.82	44.94	24.22	2.03		1.00	0.33
41		4	4	2	0.51	42.29	46.50	10.24			0.98	0.33
43		4	4	2	0.56	12.22	32.69	30.98	22.66		1.45	0.54
50		4	1	1/4	0.50	50.32	40.99	6.34			2.35	0.27
101		6	5		0.46	9.34	14.25	75.82			0.59	0.83
108		6	5		0.59	21.25	20.56	55.38			2.81	0.66
109		6	6	1/4	0.56	21.01	45.87	28.55	2.65		1.92	0.37
114		6	1	2	0.58	22.49	22.47	53.24			1.80	0.64

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Table 35. Multiple-Choice Item Analyses, Grade 4 Reading (Spanish)

Mean Item-Total Corr.: 0.31 Mean *p*-Value: 0.64

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
4	3	1	2	0.40	1.60	0.56	39	4	5		0.33	3.20	0.69
5	3	5		0.29	1.60	0.51	40	4	1	1/4	0.41	0.80	0.79
6	3	6	2	0.27	0.80	0.74	41	4	1	1/4	0.33	0.80	0.56
7	3	5		0.32	0.00	0.42	43	4	1	1/4	0.25	2.40	0.52
8	3	6	2	0.19	0.80	0.33	46	4	1	3	0.48	2.40	0.84
9	3	4	2	0.31	0.00	0.64	47	4	6	3	0.19	2.40	0.38
10	3	4	2	0.35	0.80	0.62	48	4	5		0.22	2.40	0.29
11	3	1	3	0.20	0.00	0.71	91	6	1	2	0.25	0.00	0.90
12	3	6	2	0.06	0.00	0.42	92	6	1	3	0.34	0.00	0.71
15	3	4	1/4	0.33	0.80	0.67	93	6	1	3	0.38	0.00	0.60
16	3	1	1/4	0.43	0.80	0.70	94	6	1	2	0.22	0.00	0.79
17	3	4	1/4	0.19	0.80	0.82	95	6	1	2	0.29	0.00	0.83
18	3	1	1/4	0.43	0.80	0.78	96	6	1	2	0.31	0.00	0.71
19	3	6	1/4	0.07	1.60	0.95	99	6	6	1/4	0.31	0.80	0.65
20	3	1	1/4	0.12	1.60	0.57	101	6	4	1/4	0.43	0.00	0.62
21	3	1	1/4	0.48	0.00	0.65	102	6	4	1/4	0.53	0.80	0.33
22	3	1	1/4	0.39	0.80	0.57	103	6	1	3	0.40	0.00	0.90
23	3	6	1/4	0.28	0.00	0.58	104	6	1	3	0.30	1.60	0.71
24	3	6	1/4	0.20	0.80	0.70	105	6	5		0.24	2.40	0.58
26	4	1	2	0.07	0.00	0.56	106	6	5		0.14	0.00	0.33
27	4	1	3	0.27	0.00	0.85	107	6	5		0.39	0.80	0.43
28	4	4	2	0.19	0.00	0.74	109	6	1	2	0.20	0.00	0.78
30	4	4	2	0.17	0.00	0.44	110	6	1	2	0.44	0.00	0.53
32	4	4	2	0.47	1.60	0.48	111	6	4	2	0.36	0.00	0.71
35	4	4	1/4	0.45	2.40	0.83	112	6	1	3	0.38	0.00	0.62
36	4	1	1/4	0.54	0.00	0.61	113	6	1	3	0.16	0.00	0.78
37	4	1	3	0.52	0.80	0.81	114	6	5		0.37	0.80	0.73
38	4	5		0.28	1.60	0.52	115	6	5		0.43	0.00	0.60

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Table 36. Constructed-Response Item Analyses, Grade 4 Reading (Spanish)

Mean Item-Total Corr.: 0.48 Mean *p*-Value: 0.42

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
13		3	1	2	0.52	20.00	31.20	37.60	10.40		0.80	0.46
14		3	5		0.28	56.80	36.00	4.80			2.40	0.23
29		4	5		0.68	9.60	17.60	18.40	54.40		0.00	0.73
31		4	4	2	0.37	31.20	50.40	16.00			2.40	0.41
33		4	6	1/4	0.50	28.80	42.40	20.00	8.80		0.00	0.36
34		4	1	1/4	0.57	37.60	36.00	12.80	12.00		1.60	0.33
42		4	1	1/4	0.56	53.60	28.00	14.40			4.00	0.28
44		4	6	1/4	0.50	21.60	37.60	36.80			4.00	0.56
45		4	4	1/4	0.53	47.20	37.60	8.00	4.00		3.20	0.22
97		6	4	1/4	0.30	58.40	32.00	8.00			1.60	0.24
98		6	6	1/4	0.64	31.20	27.20	18.40	20.80		2.40	0.42
100		6	6	1/4	0.40	44.80	36.00	17.60			1.60	0.36
108		6	1	2	0.52	15.20	24.80	60.00			0.00	0.72
116		6	5		0.35	16.80	6.40	68.80	5.60		2.40	0.54

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Table 37. Multiple-Choice Item Analyses, Grade 4 Writing

Mean Item-Total Corr.: 0.40 Mean *p*-Value: 0.77

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
52	5	3	7	0.44	0.03	0.89	73	5	3	7	0.46	0.56	0.62
53	5	3	7	0.43	0.07	0.90	74	5	2	5	0.31	0.40	0.50
54	5	2		0.40	0.23	0.90	75	5	3	8	0.39	1.04	0.60
55	5	3	7	0.39	0.37	0.90	76	5	2		0.40	3.02	0.86
56	5	3	7	0.28	0.31	0.94	77	5	2		0.46	0.52	0.79
57	5	2		0.32	0.25	0.89	78	5	3	7	0.49	0.65	0.84
58	5	3	7	0.38	0.45	0.51	79	5	3	7	0.49	0.87	0.83
59	5	3	7	0.31	0.52	0.91	80	5	3	7	0.52	1.06	0.79
60	5	3	7	0.36	0.77	0.87	81	5	3	7	0.25	1.25	0.40
61	5	3	7	0.43	0.41	0.94	82	5	3	7	0.37	1.08	0.87
62	5	3	7	0.43	0.89	0.91	83	5	2	5	0.51	0.85	0.71
63	5	3	7	0.43	0.36	0.91	84	5	3	7	0.24	1.13	0.62
64	5	2	5	0.35	0.24	0.50	85	5	3	8	0.54	0.81	0.85
65	5	2	5	0.38	0.26	0.77	86	5	3	8	0.44	1.16	0.57
66	5	2		0.38	0.65	0.89	87	5	3	8	0.46	1.20	0.76
67	5	2		0.49	0.29	0.78	88	5	3	7	0.48	1.45	0.85
68	5	2	5	0.35	0.21	0.80	89	5	2	5	0.30	1.12	0.38
70	5	3	7	0.28	0.40	0.93	90	5	2	5	0.46	1.31	0.71
71	5	3	7	0.43	0.40	0.84	91	5	2	5	0.29	1.39	0.55
72	5	3	7	0.44	0.59	0.92	92	5	2	5	0.48	1.60	0.74

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Table 38. Constructed-Response Item Analyses, Grade 4 Writing

Mean Item-Total Corr.: 0.46 Mean *p*-Value: 0.76

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
1		1	2	6	0.14	1.75	98.25				0.00	0.98
2	A	2	3	8	0.14	6.57	93.20				0.22	0.93
2	B	2	3	7	0.39	34.43	65.34				0.22	0.65
2	C	2	3	8	0.45	20.40	79.39				0.22	0.79
2	D	2	3	8	0.46	22.42	77.36				0.22	0.77
2	E	2	3	7	0.37	5.81	93.98				0.22	0.94
2	F	2	3	7	0.45	9.73	90.06				0.22	0.90
3	A	2	2	6	0.62	1.25	5.92	54.82	30.80	7.07	0.13	0.59
3	B	2	2	6	0.66	1.07	10.95	54.65	25.89	7.30	0.13	0.57
3	C	2	3	6	0.58	1.72	14.80	83.35			0.13	0.91
69		5	2	5	0.55	0.62	5.35	39.73	47.15	6.10	1.03	0.63
93		5	2	5	0.56	0.85	9.67	43.69	38.28	4.16	3.36	0.57
116		5	2	5	0.55	0.59	5.68	51.57	37.58	3.48	1.09	0.59

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Table 39. Multiple-Choice Item Analyses, Grade 4 Writing (Spanish)

Mean Item-Total Corr.: 0.30 Mean *p*-Value: 0.56

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
49	5	3	7	0.36	0.00	0.85	70	5	3	7	0.44	0.82	0.43
50	5	3	7	0.27	0.00	0.83	71	5	3	7	0.28	4.10	0.54
51	5	2		0.51	0.00	0.77	72	5	3	8	0.20	0.82	0.52
52	5	2		0.18	0.82	0.49	73	5	3	8	0.27	0.00	0.35
53	5	2		0.28	0.00	0.98	74	5	3	8	0.35	2.46	0.71
54	5	3	7	0.23	0.00	0.70	75	5	3	8	0.24	0.82	0.38
55	5	2		0.27	0.00	0.88	76	5	3	7	0.25	1.64	0.45
56	5	3	7	0.19	2.46	0.86	77	5	3	7	0.22	0.82	0.34
57	5	2	5	0.19	0.00	0.42	78	5	3	7	0.19	3.28	0.23
58	5	2	5	0.35	0.00	0.59	79	5	3	8	0.00	0.82	0.55
59	5	2	5	0.39	0.00	0.50	80	5	3	8	0.38	0.82	0.44
60	5	2	5	0.36	0.00	0.61	81	5	3	8	0.40	0.00	0.48
61	5	2	5	0.18	0.00	0.54	82	5	3	8	0.40	0.00	0.42
62	5	2	5	0.23	0.82	0.29	83	5	3	8	0.25	0.82	0.53
64	5	3	7	0.35	0.00	0.35	84	5	3	8	0.49	1.64	0.49
65	5	3	7	0.31	0.00	0.75	85	5	3	8	0.34	4.92	0.53
66	5	3	7	0.43	0.00	0.56	86	5	3	8	0.29	1.64	0.43
67	5	3	7	0.45	0.82	0.55	87	5	2		0.16	1.64	0.48
68	5	3	7	0.30	4.10	0.64	88	5	2		0.34	1.64	0.82
69	5	3	7	0.32	3.28	0.51	89	5	2		0.26	2.46	0.42

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Table 40. Constructed-Response Item Analyses, Grade 4 Writing (Spanish)

Mean Item-Total Corr.: 0.41 Mean *p*-Value: 0.55

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
1		1	2	6	-0.09	9.02	90.98				0.00	0.91
2	A	2	3	7	0.40	15.57	81.15				3.28	0.81
2	B	2	3	7	0.30	31.15	65.57				3.28	0.66
2	C	2	3	7	0.49	25.41	71.31				3.28	0.71
2	D	2	3	8	0.25	31.97	64.75				3.28	0.65
2	E	2	3	7	0.27	59.02	37.70				3.28	0.38
2	F	2	3	8	0.23	85.25	11.48				3.28	0.11
3	A	2	2	6	0.65	21.31	22.95	30.33	19.67	5.74	0.00	0.41
3	B	2	2	6	0.67	21.31	22.95	34.43	18.03	3.28	0.00	0.40
3	C	2	3	6	0.55	4.10	38.52	57.38			0.00	0.77
25		5	2	5	0.44	18.03	38.52	25.41	9.84	4.92	3.28	0.35
63		5	2	5	0.69	7.38	14.75	43.44	27.87	5.74	0.82	0.52
90		5	2	5	0.48	4.10	17.21	43.44	27.87	5.74	1.64	0.53

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Table 41. Multiple-Choice Item Analyses, Grade 4 Mathematics

Mean Item-Total Corr.: 0.44 Mean *p*-Value: 0.73

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	4/5	3	0.32	3.35	0.92	34	2	4/5		0.23	0.13	0.83
2	1	1		0.35	0.16	0.53	36	2	3		0.52	0.19	0.84
3	1	1	1	0.47	0.13	0.65	38	2	3		0.59	0.19	0.59
4	1	2	2	0.53	0.13	0.51	39	2	1	1	0.33	0.78	0.37
6	1	4/5		0.35	0.59	0.64	40	2	4/5		0.37	0.93	0.71
7	1	4/5	3	0.31	0.20	0.92	42	2	4/5		0.29	0.16	0.94
8	1	4/5		0.48	0.12	0.67	43	2	3		0.36	0.21	0.66
9	1	3		0.52	0.28	0.66	44	2	3		0.52	0.28	0.81
11	1	3		0.48	0.25	0.75	45	2	6		0.35	0.93	0.83
12	1	4/5		0.47	0.16	0.76	47	3	4/5	3	0.56	0.09	0.59
13	1	1		0.17	0.14	0.76	48	3	1	1	0.35	0.05	0.87
14	1	6		0.57	0.40	0.62	49	3	6		0.56	0.07	0.77
16	1	6		0.44	1.05	0.70	50	3	3		0.44	0.24	0.51
17	1	4/5	3	0.48	0.25	0.63	51	3	6		0.36	0.54	0.88
19	1	1		0.44	0.30	0.88	53	3	2		0.49	0.64	0.56
20	1	1		0.48	0.31	0.61	54	3	4/5		0.47	0.28	0.79
21	1	6		0.46	1.01	0.74	55	3	6	1	0.46	0.32	0.80
22	1	4/5	3	0.34	0.25	0.91	57	3	6		0.40	0.20	0.88
24	2	3		0.53	0.10	0.65	58	3	1	1	0.52	0.39	0.83
25	2	4/5	3	0.55	0.11	0.66	59	3	2	2	0.44	0.46	0.70
26	2	1	1	0.35	0.30	0.93	61	3	3		0.41	0.17	0.74
28	2	4/5		0.52	0.19	0.71	62	3	6		0.47	0.56	0.68
29	2	2	2	0.51	0.27	0.65	64	3	6	1	0.60	1.71	0.66
30	2	4/5	3	0.30	0.64	0.88	65	3	4/5		0.48	0.40	0.65
31	2	2		0.46	0.21	0.82	66	3	4/5		0.35	0.37	0.88
32	2	2		0.56	0.54	0.75	67	3	6		0.53	1.25	0.74
33	2	6		0.31	3.62	0.84	68	3	1	1	0.52	0.71	0.72

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Table 42. Constructed-Response Item Analyses, Grade 4 Mathematics

Mean Item-Total Corr.: 0.59 Mean *p*-Value: 0.64

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
5		1	3		0.56	42.35	23.13	34.36			0.16	0.46
10		1	1	1	0.45	1.62	5.42	18.82	74.10		0.04	0.88
15		1	1	1	0.64	22.75	33.87	42.25			1.13	0.59
18		1	3		0.59	6.57	18.66	33.02	41.59		0.16	0.70
23		1	6	1	0.68	6.77	35.89	23.07	20.34	13.70	0.23	0.49
27		2	2	2	0.44	9.35	30.41	60.09			0.15	0.75
35		2	1	1	0.64	35.87	30.01	27.23	6.66		0.22	0.35
37		2	1	1	0.66	12.14	13.67	73.36			0.83	0.80
41		2	4/5	3	0.54	6.16	10.41	11.59	71.76		0.08	0.83
46		2	2	2	0.65	12.58	9.71	13.13	6.60	57.46	0.53	0.71
52		3	4/5		0.40	13.12	64.59	22.04			0.25	0.54
56		3	6	1	0.63	12.85	20.31	30.00	36.30		0.54	0.63
60		3	2	2	0.63	17.02	15.15	67.64			0.18	0.75
63		3	4/5		0.61	21.73	27.36	22.11	28.68		0.13	0.53
69		3	4/5	3	0.68	10.11	15.12	23.38	26.78	24.40	0.21	0.60

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Table 43. Multiple-Choice Item Analyses, Grade 5 Reading

Mean Item-Total Corr.: 0.39 Mean p-Value: 0.68

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
4	3	1	2	0.38	0.12	0.55	41	4	5		0.53	0.72	0.58
5	3	1	2	0.40	0.07	0.65	42	4	5		0.28	0.81	0.43
6	3	1	3	0.43	0.06	0.87	44	4	4	1/4	0.23	0.77	0.38
7	3	4	2	0.46	0.17	0.60	45	4	4	1/4	0.43	0.97	0.73
9	3	5		0.35	0.60	0.57	46	4	6	1/4	0.46	1.12	0.74
10	3	5		0.26	0.13	0.53	47	4	1	3	0.53	1.17	0.81
11	3	5		0.19	0.11	0.55	48	4	5		0.34	1.32	0.54
12	3	1	1/4	0.29	0.14	0.68	49	4	5		0.40	1.44	0.50
13	3	6	1/4	0.28	0.18	0.55	50	4	4	1/4	0.34	1.74	0.58
15	3	1	1/4	0.40	0.30	0.76	52	4	1	3	0.39	4.47	0.40
16	3	4	1/4	0.50	0.33	0.84	53	4	5		0.37	4.64	0.55
17	3	4	1/4	0.48	0.47	0.75	54	4	5		0.50	5.16	0.68
18	3	6	1/4	0.39	0.67	0.63	99	6	1	2	0.45	0.32	0.91
19	3	5		0.45	0.34	0.77	100	6	5		0.14	0.15	0.45
20	3	1	3	0.46	0.48	0.81	101	6	1	3	0.30	0.17	0.75
21	3	4	2	0.46	0.74	0.64	102	6	1	3	0.38	0.17	0.72
23	3	6	2	0.52	1.10	0.80	103	6	1	3	0.42	0.26	0.72
25	3	1	2	0.48	1.44	0.90	104	6	6	1/4	0.38	0.07	0.67
26	3	4	2	0.51	1.76	0.78	105	6	6	1/4	0.30	0.54	0.39
30	4	1	2	0.40	0.68	0.74	106	6	6	1/4	0.31	0.19	0.71
32	4	1	3	0.41	0.15	0.52	107	6	1	3	0.36	0.16	0.89
33	4	4	2	0.33	0.35	0.58	108	6	4	1/4	0.38	0.30	0.74
34	4	4	2	0.40	0.70	0.80	109	6	1	1/4	0.45	0.09	0.82
35	4	1	2	0.33	3.46	0.74	110	6	6	1/4	0.36	0.21	0.69
37	4	4	2	0.56	0.53	0.83	111	6	6	1/4	0.44	0.19	0.80
38	4	1	3	0.43	0.56	0.80	112	6	1	1/4	0.41	0.45	0.67
39	4	4	2	0.32	0.82	0.78	114	6	4	1/4	0.35	0.21	0.81
40	4	4	2	0.47	0.96	0.80	115	6	5		0.43	0.31	0.83

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Table 44. Constructed-Response Item Analyses, Grade 5 Reading

Mean Item-Total Corr.: 0.55 Mean *p*-Value: 0.49

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
8		3	6	2	0.61	30.62	34.96	23.09	9.21		2.11	0.36
14		3	6	1/4	0.53	30.66	48.96	19.24			1.14	0.44
22		3	4	2	0.52	30.69	51.11	16.75			1.44	0.42
24		3	4	2	0.53	8.20	27.69	31.55	30.13		2.43	0.60
27		3	5		0.59	22.02	26.62	24.17	24.18		3.01	0.49
28		4	1	2	0.60	24.46	27.93	47.18			0.42	0.61
29		4	5		0.62	38.32	11.40	49.48			0.80	0.55
31		4	5		0.48	30.51	7.59	26.90	33.56		1.44	0.54
36		4	6	2	0.63	27.92	34.80	24.45	10.93		1.90	0.39
43		4	6	1/4	0.32	36.76	44.79	5.25	7.57		5.63	0.26
51		4	1	1/4	0.64	26.82	14.80	17.40	35.37		5.61	0.52
97		6	1	2	0.67	26.43	8.16	64.20			1.21	0.68
98		6	1	2	0.57	17.25	29.32	52.70			0.73	0.67
113		6	1	1/4	0.45	30.67	59.64	8.85			0.85	0.39

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Table 45. Multiple-Choice Item Analyses, Grade 5 Writing

Mean Item-Total Corr.: 0.41 Mean *p*-Value: 0.76

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
55	5	3	7	0.14	0.08	0.54	76	5	3	7	0.28	0.47	0.91
56	5	3	7	0.41	0.12	0.87	77	5	3	8	0.43	0.49	0.83
57	5	2		0.37	0.31	0.52	78	5	3	8	0.52	0.78	0.81
58	5	2		0.41	0.15	0.94	79	5	3	8	0.43	1.31	0.70
59	5	2		0.43	0.20	0.87	80	5	3	8	0.43	0.32	0.90
60	5	3	8	0.37	0.27	0.79	81	5	3	8	0.39	0.68	0.65
61	5	3	8	0.45	0.45	0.92	82	5	2	7	0.51	0.39	0.71
62	5	2	7	0.43	0.21	0.86	83	5	2	7	0.52	0.37	0.78
63	5	3	7	0.39	0.56	0.87	84	5	2	7	0.44	0.61	0.68
64	5	3	7	0.48	0.52	0.86	85	5	3	7	0.47	0.41	0.89
66	5	3	7	0.44	0.11	0.70	86	5	3	7	0.48	0.67	0.72
67	5	3	7	0.43	0.41	0.81	87	5	2	5	0.50	0.70	0.78
68	5	3	7	0.43	0.58	0.86	88	5	3	7	0.28	0.88	0.86
69	5	3	7	0.47	0.52	0.76	89	5	2	5	0.40	0.47	0.64
70	5	3	8	0.44	0.34	0.89	90	5	2	5	0.29	0.51	0.56
71	5	2	5	0.45	0.27	0.78	91	5	2	5	0.32	0.57	0.51
72	5	2	5	0.33	0.29	0.54	92	5	3	7	0.29	0.67	0.46
73	5	3	7	0.41	1.52	0.85	93	5	3	7	0.43	1.18	0.83
74	5	2	5	0.32	0.29	0.47	94	5	3	7	0.52	1.19	0.83
75	5	2	5	0.45	0.28	0.75	95	5	3	7	0.50	1.45	0.87

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Table 46. Constructed-Response Item Analyses, Grade 5 Writing

Mean Item-Total Corr.: 0.47 Mean *p*-Value: 0.73

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
1		1	2	6	0.11	1.05	98.95				0.00	0.99
2	A	2	3	8	0.39	21.79	78.06				0.14	0.78
2	B	2	3	7	0.34	9.72	90.14				0.14	0.90
2	C	2	3	7	0.36	5.98	93.87				0.15	0.94
2	D	2	3	7	0.46	47.04	52.81				0.15	0.53
2	E	2	3	8	0.44	59.55	40.29				0.16	0.40
2	F	2	3	8	0.51	30.24	69.61				0.16	0.70
3	A	2	2	6	0.63	2.48	3.52	36.60	41.39	15.92	0.09	0.66
3	B	2	2	6	0.66	0.22	6.59	39.94	37.42	15.74	0.10	0.65
3	C	2	3	6	0.51	0.90	11.13	87.88			0.10	0.93
65		5	2	5	0.53	0.35	3.32	30.57	49.56	15.57	0.64	0.69
96		5	2	5	0.57	0.84	3.89	30.05	49.71	13.41	2.11	0.67
116		5	2	5	0.54	0.29	3.15	41.01	51.06	4.06	0.42	0.64

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Table 47. Multiple-Choice Item Analyses, Grade 5 Mathematics

Mean Item-Total Corr.: 0.42 Mean *p*-Value: 0.68

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	1	1	0.30	0.38	0.87	36	2	1	1	0.38	0.21	0.79
2	1	1	1	0.38	0.13	0.40	37	2	4/5		0.44	0.12	0.53
4	1	1	1	0.55	1.12	0.55	38	2	6		0.53	0.18	0.73
5	1	4/5		0.41	0.07	0.88	39	2	1		0.35	0.21	0.95
6	1	1	1	0.52	0.16	0.85	40	2	4/5		0.51	0.15	0.73
8	1	2		0.32	0.32	0.37	42	2	4/5		0.36	0.44	0.64
9	1	6		0.45	0.28	0.83	43	2	2	2	0.54	0.40	0.55
10	1	1	1	0.49	0.09	0.59	44	2	6		0.49	0.66	0.84
11	1	1		0.45	0.18	0.85	45	2	2	2	0.56	0.31	0.60
12	1	1	1	0.50	0.20	0.73	47	3	1	1	0.50	0.11	0.77
13	1	2		0.54	0.12	0.70	48	3	2		0.38	0.05	0.86
14	1	6		0.35	0.21	0.90	49	3	6		0.49	0.72	0.65
16	1	4/5		0.36	0.13	0.55	51	3	3		0.46	0.30	0.57
18	1	1	1	0.31	0.15	0.89	52	3	6		0.28	0.47	0.91
19	1	3		0.43	0.30	0.36	53	3	4/5		0.24	0.29	0.31
20	1	3	3	0.47	0.26	0.81	54	3	2		0.10	0.65	0.51
21	1	6		0.42	0.67	0.82	56	3	4/5		0.49	0.08	0.62
22	1	6		0.47	0.19	0.92	57	3	3		0.31	0.34	0.47
24	2	6	1	0.46	0.09	0.66	58	3	6		0.51	0.49	0.65
25	2	1	1	0.34	0.42	0.50	59	3	4/5		0.47	0.13	0.76
26	2	6		0.56	0.42	0.77	61	3	4/5		0.56	0.17	0.68
27	2	1	1	0.44	0.18	0.51	62	3	6		0.42	0.74	0.71
29	2	3		0.41	0.82	0.66	63	3	6	1	0.31	0.16	0.88
30	2	4/5		0.30	0.19	0.31	65	3	2	2	0.45	0.29	0.77
32	2	2		0.51	0.31	0.66	66	3	4/5		0.37	0.29	0.52
33	2	6		0.30	0.50	0.88	67	3	1		0.14	0.31	0.38
35	2	3		0.36	0.19	0.75	68	3	3		0.50	0.38	0.65

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Table 48. Constructed-Response Item Analyses, Grade 5 Mathematics

Mean Item-Total Corr.: 0.59 Mean *p*-Value: 0.61

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
3		1	3	3	0.54	31.97	20.41	47.53			0.09	0.58
7		1	3		0.46	1.27	63.26	15.11	20.19		0.17	0.51
15		1	2	2	0.62	15.13	18.06	66.54			0.27	0.76
17		1	1	1	0.59	4.96	19.12	36.27	39.36		0.29	0.70
23		1	2	2	0.58	9.79	7.86	12.86	5.10	63.88	0.50	0.76
28		2	2	2	0.67	23.55	18.96	57.23			0.26	0.67
31		2	2	2	0.54	11.45	13.47	20.98	53.89		0.22	0.72
34		2	4/5		0.54	27.25	41.70	30.49			0.56	0.51
41		2	4/5		0.59	18.47	27.95	21.36	32.15		0.07	0.56
46		2	4/5		0.67	34.87	9.90	14.82	25.25	15.05	0.11	0.44
50		3	1		0.66	45.87	14.90	38.70			0.53	0.46
55		3	6	1	0.59	6.74	14.50	29.19	49.26		0.32	0.74
60		3	6		0.61	31.53	34.68	33.45			0.34	0.51
64		3	3		0.63	10.14	23.76	36.31	29.61		0.17	0.62
69		3	3	3	0.62	2.99	14.24	21.37	47.91	13.31	0.20	0.63

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Table 49. Multiple-Choice Item Analyses, Grade 5 Science

Mean Item-Total Corr.: 0.37 Mean *p*-Value: 0.63

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	3		0.29	0.03	0.84	39	2	3		0.42	0.15	0.81
2	1	4		0.16	0.01	0.88	40	2	1/5	1	0.40	0.27	0.73
3	1	3		0.31	0.03	0.79	42	2	2		0.42	0.10	0.77
4	1	4		0.34	0.08	0.69	43	2	2		0.43	0.12	0.55
5	1	3		0.38	0.21	0.48	44	2	2		0.47	0.25	0.69
7	1	1/5		0.38	0.06	0.59	46	2	1/5	2	0.49	0.09	0.64
8	1	4		0.33	0.08	0.53	47	2	1/5	1	0.54	0.39	0.75
9	1	2		0.28	0.04	0.79	49	2	1/5		0.47	0.25	0.61
10	1	3		0.48	0.09	0.61	50	2	3		0.35	0.13	0.66
11	1	1/5	1	0.53	0.08	0.80	51	3	4		0.37	0.02	0.80
12	1	1/5	2	0.29	0.14	0.73	52	3	1/5	2	0.43	0.02	0.80
13	1	1/5	1	0.38	0.19	0.28	53	3	1/5	1	0.45	0.06	0.84
14	1	3		0.34	0.11	0.71	55	3	4		0.39	0.09	0.56
15	1	2		0.39	0.20	0.60	56	3	2		0.22	0.11	0.24
16	1	1/5	2	0.52	0.05	0.73	58	3	4		0.34	0.28	0.56
17	1	4		0.33	0.22	0.92	59	3	2		0.24	0.22	0.40
18	1	2		0.47	0.23	0.42	60	3	4		0.38	0.56	0.45
19	1	1/5	2	0.38	0.06	0.70	62	3	1/5	1	0.42	0.26	0.65
20	1	4		0.34	0.03	0.52	63	3	3		0.39	0.26	0.85
26	2	3		0.21	0.03	0.16	64	3	1/5	2	0.46	0.25	0.58
27	2	3		0.30	0.04	0.77	65	3	1/5	1	0.38	0.61	0.61
28	2	2		0.35	0.04	0.62	66	3	1/5	1	0.43	0.16	0.67
29	2	4		0.32	0.20	0.56	67	3	1/5	1	0.37	0.17	0.47
30	2	1/5		0.38	0.17	0.55	69	3	1/5	2	0.26	0.17	0.30
32	2	4		0.37	0.12	0.52	70	3	1/5	1	0.32	0.06	0.66
33	2	2		0.33	0.10	0.89	71	3	4		0.42	0.31	0.75
35	2	2		0.32	0.35	0.38	72	3	3		0.37	0.10	0.67
36	2	2		0.23	0.11	0.23	74	3	1/5	2	0.38	0.14	0.55
38	2	3		0.39	0.16	0.76							

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Table 50. Constructed-Response Item Analyses, Grade 5 Science

Mean Item-Total Corr.: 0.47 Mean *p*-Value: 0.47

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
6		1	2		0.40	51.53	36.40	11.67			0.40	0.30
21		1	1/5	2	0.49	63.33	36.23				0.44	0.36
22		1	1/5	1	0.50	37.53	62.01				0.46	0.62
23		1	1/5	1	0.44	34.14	43.23	22.20			0.43	0.44
24		1	1/5	2	0.45	51.13	48.32				0.55	0.48
25		1	1/5	2	0.45	22.86	18.05	58.55			0.55	0.68
31		2	3		0.50	64.13	26.27	8.52			1.08	0.22
34		2	1/5		0.45	42.20	57.47				0.33	0.57
37		2	4		0.54	51.59	27.18	20.59			0.65	0.34
41		2	4		0.50	31.80	40.38	27.50			0.32	0.48
45		2	2		0.54	32.54	43.90	23.33			0.23	0.45
48		2	4		0.53	30.50	64.16	4.59			0.75	0.37
54		3	1/5	2	0.55	18.79	23.96	56.69			0.56	0.69
57		3	2		0.45	5.33	35.38	58.88			0.42	0.77
61		3	3		0.43	37.72	62.09				0.19	0.62
68		3	3		0.52	34.26	35.54	29.23			0.97	0.47
73		3	1/5	2	0.36	36.05	53.62	9.48			0.86	0.36
75		3	1/5	2	0.42	52.99	35.62	10.70			0.70	0.29

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Table 51. Multiple-Choice Item Analyses, Grade 6 Reading

Mean Item-Total Corr.: 0.40 Mean *p*-Value: 0.70

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
4	3	1	1/4	0.28	0.05	0.92	42	4	4	2	0.32	0.34	0.81
5	3	1	1/4	0.36	0.09	0.90	43	4	4	2	0.48	0.25	0.85
6	3	4	1/4	0.36	0.11	0.87	44	4	1	2	0.48	0.77	0.84
7	3	6	1/4	0.35	0.27	0.66	46	4	5		0.40	1.19	0.75
9	3	6	1/4	0.27	0.22	0.28	47	4	5		0.38	0.57	0.60
10	3	4	1/4	0.30	0.28	0.64	48	4	5		0.36	0.65	0.54
13	3	1	3	0.48	0.32	0.51	49	4	5		0.39	0.63	0.76
14	3	4	2	0.29	0.28	0.44	50	4	1	2	0.42	0.81	0.54
15	3	4	2	0.46	0.40	0.79	51	4	6	1/4	0.39	1.99	0.55
16	3	5		0.34	0.29	0.33	52	4	1	1/4	0.47	2.32	0.62
19	3	1	2	0.39	0.87	0.50	54	4	1	3	0.38	3.42	0.65
20	3	1	2	0.45	1.54	0.57	55	4	1	3	0.53	3.60	0.70
21	3	1	2	0.50	0.77	0.72	56	4	4	1/4	0.52	3.90	0.64
22	3	1	3	0.41	0.88	0.79	100	6	4	1/4	0.33	0.23	0.47
23	3	1	3	0.43	1.09	0.89	101	6	6	1/4	0.40	0.14	0.60
25	3	1	1/4	0.49	2.55	0.76	102	6	4	1/4	0.48	0.30	0.78
26	3	4	1/4	0.43	2.53	0.75	103	6	6	1/4	0.43	0.34	0.87
27	3	1	1/4	0.41	2.84	0.79	104	6	6	1/4	0.21	0.28	0.64
28	3	1	1/4	0.43	2.96	0.55	105	6	1	3	0.44	0.31	0.76
30	3	5		0.57	5.17	0.58	106	6	5		0.27	0.23	0.48
31	3	1	3	0.44	5.26	0.87	107	6	1	3	0.39	0.09	0.58
33	4	1	2	0.34	0.45	0.80	108	6	6	1/4	0.08	0.28	0.51
35	4	1	3	0.46	0.13	0.61	109	6	1	3	0.45	0.59	0.66
36	4	4	2	0.37	0.23	0.66	110	6	6	1/4	0.43	0.20	0.93
37	4	4	2	0.44	0.57	0.85	111	6	4	1/4	0.40	0.39	0.83
38	4	1	2	0.33	5.09	0.75	113	6	5		0.43	0.07	0.86
40	4	4	2	0.54	0.23	0.88	114	6	5		0.51	0.07	0.90
41	4	1	3	0.43	0.25	0.86	115	6	5		0.47	0.09	0.91

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Table 52. Constructed-Response Item Analyses, Grade 6 Reading

Mean Item-Total Corr.: 0.53 Mean *p*-Value: 0.49

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
8		3	1	1/4	0.40	52.62	32.88	11.31			3.19	0.28
11		3	5		0.51	9.18	9.25	26.98	52.22		2.38	0.73
12		3	1	2	0.48	46.30	30.55	21.04			2.11	0.36
17		3	4	2	0.51	28.86	21.65	26.31	21.90		1.28	0.47
18		3	4	2	0.59	18.00	4.34	30.09	46.35		1.21	0.68
24		3	6	1/4	0.58	18.59	45.66	32.16			3.60	0.55
29		3	6	1/4	0.58	32.51	26.96	33.36			7.17	0.47
32		4	5		0.62	30.31	10.09	58.71			0.89	0.64
34		4	5		0.46	28.03	6.55	23.96	39.78		1.67	0.58
39		4	6	2	0.63	21.74	33.29	27.93	14.81		2.22	0.45
45		4	5		0.49	40.87	30.66	26.67			1.80	0.42
53		4	1	1/4	0.48	46.42	38.34	7.63	2.60		5.01	0.20
99		6	6	1/4	0.56	24.15	43.06	32.00			0.79	0.54
112		6	6	1/4	0.50	12.89	44.68	39.69	1.76		0.97	0.43

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Table 53. Multiple-Choice Item Analyses, Grade 6 Writing

Mean Item-Total Corr.: 0.42 Mean *p*-Value: 0.71

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
57	5	3	8	0.25	0.04	0.89	77	5	3	7	0.23	0.32	0.54
58	5	2		0.40	0.22	0.88	78	5	3	7	0.35	0.25	0.63
59	5	3	7	0.43	0.38	0.86	79	5	2		0.50	0.91	0.79
60	5	3	7	0.56	0.26	0.68	81	5	2	5	0.36	0.30	0.54
61	5	2	5	0.35	0.17	0.79	82	5	2	5	0.49	0.44	0.69
62	5	3	7	0.41	0.31	0.88	83	5	2	5	0.51	0.31	0.75
63	5	2	5	0.45	0.16	0.90	84	5	2	8	0.36	0.36	0.60
64	5	3	7	0.34	0.50	0.57	85	5	2	7	0.49	0.37	0.82
65	5	3	7	0.48	0.68	0.87	86	5	2	8	0.43	0.60	0.66
66	5	3	7	0.39	0.23	0.87	87	5	2	8	0.51	1.02	0.81
67	5	3	7	0.50	0.50	0.85	88	5	2	7	0.53	0.48	0.80
68	5	3	7	0.44	0.46	0.71	89	5	3	8	0.36	0.72	0.57
69	5	3	7	0.52	0.43	0.84	90	5	2	5	0.32	0.51	0.51
70	5	2	5	0.40	0.22	0.71	91	5	2	5	0.40	0.50	0.56
71	5	3	7	0.49	0.57	0.75	92	5	3	7	0.52	0.69	0.75
72	5	3	7	0.41	0.37	0.78	93	5	3	8	0.45	1.20	0.69
73	5	3	7	0.18	0.86	0.40	94	5	3	8	0.54	1.45	0.78
74	5	3	7	0.48	0.90	0.72	95	5	3	8	0.48	0.73	0.78
75	5	3	7	0.37	0.78	0.45	96	5	3	8	0.41	1.04	0.60
76	5	3	7	0.36	0.71	0.56	97	5	3	7	0.51	1.04	0.73

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Table 54. Constructed-Response Item Analyses, Grade 6 Writing

Mean Item-Total Corr.: 0.46 Mean *p*-Value: 0.74

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
1		1	2	6	0.11	0.84	99.16				0.00	0.99
2	A	2	3	8	0.38	27.53	72.31				0.17	0.72
2	B	2	3	7	0.47	36.54	63.30				0.16	0.63
2	C	2	3	7	0.24	3.96	95.88				0.16	0.96
2	D	2	3	8	0.44	23.60	76.24				0.16	0.76
2	E	2	3	7	0.36	56.55	43.29				0.16	0.43
2	F	2	3	8	0.42	14.11	85.74				0.16	0.86
3	A	2	2	6	0.65	0.68	3.31	37.90	44.79	13.23	0.09	0.67
3	B	2	2	6	0.66	0.32	5.88	38.74	41.32	13.65	0.09	0.65
3	C	2	3	6	0.48	0.73	8.95	90.23			0.09	0.95
80		5	2	5	0.54	0.30	3.85	36.90	48.20	9.89	0.85	0.65
98		5	2	5	0.57	0.78	3.36	30.25	51.10	12.15	2.36	0.66
116		5	2	5	0.61	0.34	4.83	32.07	46.26	15.97	0.54	0.68

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Table 55. Multiple-Choice Item Analyses, Grade 6 Mathematics

Mean Item-Total Corr.: 0.43 Mean *p*-Value: 0.61

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	1		0.50	0.17	0.62	32	2	2		0.34	0.21	0.28
2	1	2		0.38	0.05	0.89	34	2	4/5		0.40	0.18	0.36
3	1	2		0.47	0.19	0.56	35	2	6		0.35	0.14	0.71
5	1	6		0.39	0.56	0.82	36	2	2	2	0.46	0.20	0.63
7	1	4/5		0.37	0.14	0.63	37	2	6		0.40	0.28	0.79
8	1	1	1	0.33	0.07	0.76	38	2	1	1	0.50	0.19	0.70
9	1	4/5		0.40	0.14	0.65	39	2	6		0.46	0.81	0.71
11	1	2	2	0.42	0.19	0.50	41	3	3		0.36	0.05	0.54
12	1	4/5		0.37	0.16	0.36	42	3	4/5		0.49	0.11	0.56
13	1	3		0.49	0.18	0.52	43	3	4/5	3	0.47	0.16	0.60
14	1	3		0.40	0.13	0.60	45	3	6		0.63	0.51	0.52
16	1	2	2	0.43	0.46	0.44	46	3	1	1	0.54	0.20	0.66
17	1	6		0.42	0.46	0.81	48	3	1	1	0.41	0.33	0.54
18	1	1		0.57	0.16	0.61	49	3	4/5		0.40	0.18	0.50
19	1	2	2	0.52	0.23	0.76	50	3	1		0.54	0.35	0.49
21	2	3		0.40	0.08	0.64	51	3	3		0.51	0.43	0.67
22	2	6	1	0.43	0.11	0.77	52	3	4/5	3	0.49	0.29	0.51
24	2	3		0.38	0.15	0.84	54	3	1		0.31	0.24	0.28
26	2	6		0.42	0.41	0.85	55	3	4/5	3	0.54	0.25	0.44
27	2	3		0.50	0.27	0.62	56	3	6		0.40	0.55	0.81
28	2	1		0.33	0.40	0.48	57	3	4/5		0.34	0.38	0.48
29	2	1	1	0.60	0.16	0.64	59	3	4/5		0.27	0.15	0.59
31	2	4/5		0.36	0.24	0.72							

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Table 56. Constructed-Response Item Analyses, Grade 6 Mathematics

Mean Item-Total Corr.: 0.58 Mean *p*-Value: 0.56

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
4		1	4/5		0.38	1.27	22.84	75.62			0.26	0.87
6		1	3		0.55	0.72	54.98	13.21	30.93		0.15	0.58
10		1	4/5	3	0.52	21.20	53.23	24.83			0.75	0.51
15		1	1	1	0.69	21.18	25.87	36.26	15.05		1.64	0.48
20		1	2	2	0.65	11.66	22.66	29.74	25.25	10.42	0.27	0.50
23		2	6		0.57	19.82	42.06	37.89			0.24	0.59
25		2	4/5	3	0.68	45.02	33.31	15.03	6.40		0.24	0.28
30		2	3		0.59	19.60	13.77	65.97			0.66	0.73
33		2	2	2	0.50	8.57	11.99	18.92	60.39		0.13	0.77
40		2	3		0.60	18.88	49.50	18.61	6.00	6.62	0.38	0.33
44		3	3		0.49	7.83	46.42	45.52			0.22	0.69
47		3	4/5	3	0.67	22.05	17.83	24.33	35.55		0.24	0.58
53		3	6	1	0.58	55.55	24.27	19.72			0.47	0.32
58		3	2	2	0.46	6.47	16.00	38.29	38.95		0.30	0.70
60		3	1	1	0.78	18.64	26.25	30.29	7.32	16.77	0.73	0.44

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Table 57. Multiple-Choice Item Analyses, Grade 7 Reading

Mean Item-Total Corr.: 0.41 Mean *p*-Value: 0.69

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
6	3	4	2	0.31	0.30	0.50	40	4	5		0.43	0.20	0.86
7	3	1	3	0.42	0.20	0.45	42	4	5		0.35	0.28	0.62
8	3	1	3	0.52	0.50	0.59	43	4	5		0.44	0.22	0.80
9	3	4	2	0.42	0.13	0.85	44	4	5		0.46	2.48	0.85
10	3	1	3	0.43	0.15	0.85	45	4	5		0.50	0.51	0.75
11	3	5		0.36	0.17	0.37	46	4	5		0.46	0.24	0.85
14	3	6	1	0.32	0.14	0.76	48	4	1	2	0.37	0.38	0.59
15	3	1	1	0.47	0.22	0.82	49	4	1	2	0.23	0.64	0.39
16	3	1	3	0.49	0.22	0.91	50	4	4	2	0.40	0.68	0.38
17	3	5		0.47	0.21	0.89	51	4	4	2	0.55	0.66	0.78
20	3	4	4	0.51	0.66	0.75	52	4	1	2	0.38	0.78	0.49
21	3	6	4	0.30	0.79	0.58	53	4	4	2	0.27	0.69	0.52
22	3	6	4	0.38	0.81	0.68	96	6	1	3	0.56	0.89	0.69
23	3	6	4	0.13	0.84	0.52	100	6	4	1	0.55	0.34	0.78
25	3	6	4	0.28	4.35	0.33	101	6	1	1	0.46	0.48	0.85
26	3	4	4	0.49	4.39	0.80	102	6	4	1	0.53	0.17	0.82
27	3	4	4	0.32	4.40	0.57	103	6	6	1	0.40	0.26	0.49
28	4	1	3	0.33	0.08	0.56	104	6	6	1	0.50	0.39	0.92
29	4	4	4	0.39	0.10	0.80	105	6	4	1	0.37	0.49	0.76
30	4	6	4	0.28	0.27	0.84	106	6	4	1	0.39	0.24	0.85
31	4	6	4	0.41	0.23	0.60	107	6	5		0.45	0.40	0.68
32	4	5		0.44	0.23	0.64	108	6	5		0.24	0.27	0.57
33	4	6	1	0.42	0.16	0.66	109	6	1	3	0.51	0.30	0.79
34	4	1	1	0.41	0.22	0.78	110	6	4	2	0.49	0.21	0.68
36	4	1	3	0.34	0.11	0.75	111	6	1	2	0.42	0.47	0.57
37	4	1	3	0.52	0.13	0.81	112	6	4	2	0.40	0.33	0.82
38	4	4	1	0.49	0.50	0.81	114	6	1	3	0.30	0.30	0.52
39	4	6	1	0.48	0.32	0.74	115	6	5		0.45	0.28	0.82

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Table 58. Constructed-Response Item Analyses, Grade 7 Reading

Mean Item-Total Corr.: 0.53 Mean *p*-Value: 0.54

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
4		3	5		0.49	7.65	8.41	24.65	57.11		2.18	0.76
5		3	1	2	0.48	39.82	33.39	25.38			1.40	0.42
12		3	1	1	0.64	13.82	14.20	23.98	46.62		1.38	0.67
13		3	1	1	0.39	10.44	28.66	59.77			1.13	0.74
18		3	5		0.51	16.02	26.73	54.34			2.91	0.68
19		3	5		0.60	12.68	14.44	53.17	18.37		1.33	0.59
24		3	6	4	0.57	5.08	45.28	28.67	13.55	4.47	2.95	0.40
35		4	1	1	0.42	32.07	51.54	11.71	3.65		1.04	0.29
41		4	4	1	0.39	49.50	38.25	9.38			2.87	0.29
47		4	1	2	0.62	21.66	16.37	59.11			2.86	0.67
97		6	6	1	0.60	18.69	44.46	35.94			0.91	0.58
98		6	4	1	0.50	26.51	54.51	17.72			1.25	0.45
99		6	6	1	0.59	26.08	24.57	15.08	31.89		2.38	0.50
113		6	1	2	0.67	29.08	38.04	30.55			2.33	0.50

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Table 59. Multiple-Choice Item Analyses, Grade 7 Writing

Mean Item-Total Corr.: 0.41 Mean *p*-Value: 0.68

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
54	5	3	7	0.35	0.05	0.78	75	5	3	7	0.42	0.70	0.79
55	5	3	8	0.47	0.23	0.49	76	5	3	7	0.24	0.47	0.32
56	5	3	7	0.36	0.15	0.95	77	5	3	7	0.28	0.55	0.70
57	5	3	7	0.41	0.14	0.79	78	5	3	7	0.39	0.79	0.60
58	5	3	7	0.42	0.41	0.82	79	5	3	7	0.38	0.79	0.49
59	5	3	7	0.45	0.42	0.80	80	5	3	7	0.28	0.52	0.47
60	5	3	7	0.48	0.59	0.69	81	5	2	5	0.29	0.45	0.35
61	5	2	5	0.45	0.35	0.80	82	5	3	8	0.41	0.56	0.63
62	5	2	8	0.38	0.28	0.86	83	5	2	5	0.23	0.51	0.28
63	5	2	5	0.43	0.29	0.76	84	5	3	7	0.51	0.64	0.72
64	5	2	8	0.43	0.68	0.89	85	5	2	7	0.49	0.61	0.84
65	5	3	8	0.42	0.24	0.74	86	5	3	8	0.54	0.71	0.81
66	5	2	7	0.41	0.25	0.50	87	5	3	8	0.35	0.95	0.36
67	5	2	7	0.47	0.17	0.88	88	5	3	8	0.49	0.83	0.68
68	5	2	5	0.27	0.13	0.65	89	5	3	7	0.52	1.72	0.75
69	5	3	7	0.51	1.07	0.73	90	5	2	7	0.51	1.06	0.71
70	5	2	5	0.29	0.20	0.57	91	5	2		0.45	0.85	0.89
71	5	3	7	0.48	0.55	0.77	92	5	2		0.52	0.87	0.75
73	5	3	7	0.16	0.58	0.59	93	5	3	7	0.60	1.17	0.67
74	5	3	7	0.31	0.82	0.68	94	5	2	5	0.36	1.03	0.53

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Table 60. Constructed-Response Item Analyses, Grade 7 Writing

Mean Item-Total Corr.: 0.44 Mean *p*-Value: 0.67

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
1		1	2	6	0.11	0.70	99.30				0.00	0.99
2	A	2	3	7	0.34	9.24	90.65				0.11	0.91
2	B	2	3	7	0.37	14.60	85.28				0.11	0.85
2	C	2	3	8	0.41	56.57	43.30				0.12	0.43
2	D	2	3	8	0.31	81.92	17.96				0.12	0.18
2	E	2	3	7	0.44	13.99	85.89				0.12	0.86
2	F	2	3	8	0.36	60.42	39.46				0.12	0.39
3	A	2	2	6	0.65	2.19	4.65	44.57	37.10	11.37	0.12	0.63
3	B	2	2	6	0.65	0.14	5.88	45.65	36.96	11.23	0.13	0.63
3	C	2	3	6	0.46	0.19	9.99	89.69			0.12	0.95
72		5	2	5	0.56	0.20	3.59	38.58	47.29	9.45	0.90	0.65
95		5	2	5	0.56	0.43	5.85	43.87	40.38	6.98	2.50	0.61
116		5	2	5	0.55	0.30	5.43	44.56	41.14	7.33	1.25	0.62

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Table 61. Multiple-Choice Item Analyses, Grade 7 Mathematics

Mean Item-Total Corr.: 0.41 Mean *p*-Value: 0.54

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	4/5		0.37	0.07	0.64	32	2	3		0.48	0.20	0.43
2	1	4/5		0.53	0.10	0.66	33	2	1/6	1	0.45	0.47	0.75
4	1	1/6	1	0.49	0.12	0.61	35	2	2		0.48	0.33	0.45
5	1	4/5		0.23	0.85	0.20	36	2	4/5		0.34	0.18	0.37
6	1	1/6		0.48	0.16	0.54	37	2	2		0.49	0.22	0.77
8	1	1/6		0.33	0.41	0.44	38	2	4/5		0.50	0.18	0.58
9	1	3		0.30	0.24	0.21	39	2	2		0.53	0.33	0.35
10	1	2		0.27	0.29	0.42	41	3	2		0.30	0.06	0.56
11	1	4/5		0.53	0.11	0.53	42	3	1/6		0.44	0.12	0.69
13	1	3		0.46	0.37	0.75	44	3	1/6		0.50	1.61	0.53
14	1	2		0.22	0.79	0.44	45	3	1/6		0.47	0.43	0.53
16	1	4/5		0.19	0.36	0.62	46	3	4/5	2	0.28	0.10	0.66
17	1	1/6		0.45	0.52	0.48	48	3	1/6		0.36	0.19	0.83
18	1	2		0.36	0.50	0.31	49	3	2		0.53	0.23	0.58
19	1	1/6		0.30	0.79	0.88	50	3	3		0.51	0.38	0.47
21	2	3		0.32	0.12	0.42	52	3	3		0.33	0.58	0.51
22	2	1/6		0.29	0.22	0.49	53	3	4/5		0.35	0.25	0.50
24	2	3		0.51	0.22	0.61	54	3	1/6		0.62	0.67	0.55
25	2	1/6		0.45	0.25	0.34	55	3	4/5		0.49	0.48	0.60
27	2	1/6		0.47	0.16	0.78	57	3	2		0.37	0.13	0.31
28	2	3		0.28	0.40	0.29	58	3	4/5		0.54	0.41	0.60
29	2	4/5		0.42	0.24	0.55	59	3	3		0.31	0.22	0.47
31	2	1/6	1	0.31	0.28	0.92							

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Table 62. Constructed-Response Item Analyses, Grade 7 Mathematics

Mean Item-Total Corr.: 0.59 Mean *p*-Value: 0.41

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
3		1	3		0.11	72.75	18.65	7.25			1.34	0.17
7		1	1/6	1	0.74	24.73	19.12	23.86	32.07		0.22	0.54
12		1	4/5	2	0.36	62.14	25.30	10.53			2.03	0.23
15		1	4/5	2	0.75	34.58	25.34	21.02	18.52		0.54	0.41
20		1	1/6	1	0.69	31.40	36.28	15.55	5.65	9.04	2.09	0.30
23		2	4/5	2	0.61	70.00	8.73	19.98			1.29	0.24
26		2	2		0.65	14.15	13.42	42.61	29.59		0.23	0.62
30		2	1/6		0.65	32.24	33.08	33.02			1.66	0.50
34		2	3		0.72	24.98	25.31	29.66	19.83		0.21	0.48
40		2	4/5	2	0.74	58.30	10.70	9.75	5.41	15.26	0.58	0.27
43		3	1/6	1	0.61	39.30	31.06	29.31			0.32	0.45
47		3	4/5	2	0.66	22.60	15.44	22.59	39.14		0.23	0.59
51		3	2		0.55	74.28	9.57	14.97			1.19	0.20
56		3	2		0.38	4.13	12.16	36.21	47.22		0.28	0.75
60		3	3		0.57	23.40	28.67	26.54	17.49	2.42	1.49	0.36

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Table 63. Multiple-Choice Item Analyses, Grade 8 Reading

Mean Item-Total Corr.: 0.38 Mean *p*-Value: 0.68

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
4	3	1	3	0.22	0.05	0.81	38	4	1	2	0.48	0.24	0.63
5	3	6	1	0.39	0.03	0.87	41	4	4	1	0.43	0.21	0.91
7	3	1	3	0.43	0.05	0.68	42	4	6	1	0.26	0.19	0.43
8	3	5		0.38	0.07	0.76	43	4	1	3	0.27	0.55	0.69
9	3	1	1	0.43	0.29	0.64	44	4	5		0.50	0.22	0.72
11	3	1	3	0.46	0.11	0.77	45	4	6	1	0.48	0.25	0.81
12	3	6	4	0.32	0.16	0.54	48	4	1	2	0.38	1.02	0.63
13	3	4	4	0.12	0.40	0.38	49	4	1	2	0.32	0.52	0.45
14	3	1	3	0.38	0.14	0.51	50	4	4	2	0.45	0.83	0.42
16	3	1	4	0.43	0.22	0.87	51	4	4	2	0.53	0.65	0.82
17	3	5		0.32	0.17	0.82	52	4	1	2	0.44	0.79	0.56
18	3	4	4	0.45	0.25	0.83	97	6	1	3	0.19	0.24	0.33
19	3	6	4	0.40	0.28	0.69	99	6	1	1	0.41	0.17	0.88
21	3	4	2	0.41	0.59	0.80	100	6	6	1	0.43	0.33	0.56
22	3	1	3	0.51	0.70	0.88	101	6	1	3	0.35	0.16	0.59
23	3	1	3	0.47	0.76	0.74	102	6	4	1	0.45	0.38	0.85
24	3	5		0.40	1.00	0.69	103	6	5		0.46	0.42	0.72
25	3	5		0.32	0.97	0.43	104	6	5		0.27	0.17	0.62
28	4	4	4	0.32	0.08	0.61	105	6	1	3	0.47	0.16	0.87
29	4	4	4	0.45	0.14	0.82	106	6	5		0.23	0.21	0.38
30	4	5		0.23	0.06	0.88	107	6	1	3	0.22	0.25	0.27
31	4	5		0.42	0.93	0.47	108	6	5		0.33	0.27	0.49
32	4	1	3	0.29	1.10	0.89	110	6	4	2	0.39	0.49	0.69
33	4	1	3	0.37	0.08	0.65	111	6	4	2	0.39	0.40	0.75
34	4	4	2	0.33	0.15	0.88	112	6	1	3	0.42	0.45	0.88
35	4	4	2	0.43	0.18	0.71	113	6	1	3	0.51	0.51	0.81
36	4	5		0.40	0.28	0.59	114	6	5		0.35	0.54	0.62
37	4	5		0.43	0.20	0.88	115	6	5		0.45	0.65	0.69

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Table 64. Constructed-Response Item Analyses, Grade 8 Reading

Mean Item-Total Corr.: 0.59 Mean *p*-Value: 0.54

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
6		3	1	1	0.54	27.59	38.95	32.62			0.84	0.52
10		3	6	1	0.62	11.61	29.93	39.19	16.94		2.33	0.53
15		3	6	4	0.66	11.03	32.33	34.76	19.64		2.23	0.54
20		3	1	2	0.57	6.83	41.88	5.78	43.06		2.44	0.61
26		3	6	2	0.59	11.19	45.16	31.30	8.79		3.56	0.45
27		4	4	4	0.50	21.79	61.36	15.47			1.38	0.46
39		4	5		0.62	47.53	10.56	36.37			5.54	0.42
40		4	4	1	0.54	3.49	45.99	25.22	23.34		1.95	0.55
46		4	1	2	0.57	17.51	24.45	55.35			2.69	0.68
47		4	1	2	0.65	21.61	19.28	55.80			3.31	0.65
95		6	4	1	0.50	17.46	55.63	25.87			1.05	0.54
96		6	6	1	0.59	14.46	47.50	36.48			1.57	0.60
98		6	6	1	0.59	11.30	51.46	30.29	5.18		1.77	0.43
109		6	5		0.67	14.05	15.51	25.13	40.79		4.52	0.63

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Table 65. Multiple-Choice Item Analyses, Grade 8 Writing

Mean Item-Total Corr.: 0.38 Mean *p*-Value: 0.68

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
53	5	2		0.17	0.29	0.93	74	5	3	7	0.39	0.37	0.59
54	5	3	7	0.40	0.16	0.72	75	5	3	8	0.43	0.44	0.76
55	5	3	7	0.40	0.23	0.90	76	5	3	7	0.49	0.80	0.86
56	5	3	7	0.33	0.13	0.94	77	5	2	7	0.43	0.20	0.90
57	5	2	5	0.17	0.17	0.50	78	5	3	7	0.53	0.36	0.84
58	5	2		0.46	0.29	0.68	79	5	3	7	0.33	0.31	0.37
59	5	2	5	0.27	0.15	0.28	80	5	2	5	0.03	0.26	0.31
60	5	2	5	0.43	0.10	0.80	81	5	2	5	0.40	0.39	0.55
61	5	2	5	0.27	0.14	0.61	82	5	2	5	0.43	0.60	0.59
62	5	2	5	0.05	0.44	0.37	83	5	3	7	0.44	0.34	0.82
63	5	3	7	0.29	0.43	0.53	84	5	3	7	0.50	0.79	0.76
64	5	3	7	0.21	0.58	0.64	85	5	3	8	0.38	0.48	0.61
65	5	3	7	0.30	0.77	0.68	86	5	3	7	0.55	0.41	0.67
66	5	3	7	0.29	0.47	0.75	87	5	2	5	0.33	0.39	0.39
67	5	3	7	0.42	0.18	0.86	88	5	3	8	0.49	0.40	0.83
68	5	3	7	0.45	0.22	0.57	89	5	3	8	0.50	0.94	0.72
69	5	3	7	0.49	0.39	0.82	90	5	2	8	0.52	0.59	0.81
70	5	3	7	0.49	0.60	0.88	91	5	3	8	0.39	0.56	0.67
71	5	3	7	0.45	0.57	0.84	92	5	2	8	0.47	0.60	0.74
73	5	3	8	0.42	0.14	0.38	93	5	2	8	0.51	0.78	0.69

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Table 66. Constructed-Response Item Analyses, Grade 8 Writing

Mean Item-Total Corr.: 0.43 Mean *p*-Value: 0.77

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
1		1	2	6	0.11	0.83	99.17				0.00	0.99
2	A	2	3	8	0.35	19.52	80.34				0.15	0.80
2	B	2	3	7	0.45	17.51	82.34				0.14	0.82
2	C	2	3	7	0.41	26.17	73.69				0.14	0.74
2	D	2	3	8	0.30	18.14	81.69				0.16	0.82
2	E	2	3	8	0.47	32.43	67.42				0.15	0.67
2	F	2	3	7	0.26	5.56	94.23				0.20	0.94
3	A	2	2	6	0.62	0.95	2.93	40.05	44.44	11.50	0.13	0.66
3	B	2	2	6	0.64	0.06	2.87	39.28	45.56	12.10	0.13	0.67
3	C	2	3	6	0.37	0.11	3.89	95.87			0.13	0.98
72		5	2	5	0.56	0.11	3.13	31.98	51.93	12.13	0.72	0.68
94		5	2	5	0.57	0.34	6.84	37.97	45.69	6.10	3.07	0.61
116		5	2	5	0.53	0.33	4.05	37.34	49.19	6.81	2.27	0.63

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Table 67. Multiple-Choice Item Analyses, Grade 8 Mathematics

Mean Item-Total Corr.: 0.41 Mean *p*-Value: 0.53

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	2	1	0.56	0.22	0.65	31	2	4/5	3	0.45	0.22	0.49
2	1	4/5	2	0.33	0.47	0.43	33	2	3		0.38	0.33	0.50
4	1	1/6		0.48	2.56	0.56	34	2	1/6		0.51	0.32	0.36
5	1	4/5		0.22	0.21	0.48	36	2	3		0.29	0.20	0.67
6	1	3		0.53	0.21	0.50	37	2	4/5	3	0.49	0.38	0.39
7	1	2		0.37	0.36	0.56	38	2	1/6		0.52	0.21	0.45
9	1	4/5	3	0.58	0.16	0.41	39	2	2	1	0.53	0.36	0.36
10	1	1/6	2	0.45	0.37	0.40	41	3	4/5		0.38	0.12	0.58
12	1	3		0.26	0.20	0.44	42	3	1/6		0.50	0.21	0.73
13	1	2		0.42	0.32	0.53	43	3	4/5		0.42	0.10	0.48
14	1	4/5	2	0.59	0.55	0.40	44	3	1/6		0.48	0.35	0.56
16	1	2	1	0.31	1.00	0.44	46	3	1/6	2	0.41	0.18	0.47
17	1	4/5	2	0.15	1.18	0.60	47	3	4/5	3	0.48	0.06	0.63
18	1	3		0.32	1.18	0.84	49	3	4/5	3	0.05	0.21	0.13
19	1	3		0.30	1.37	0.29	50	3	1/6		0.40	0.67	0.54
21	2	1/6		0.30	0.19	0.74	52	3	2	1	0.39	0.20	0.55
22	2	3		0.50	0.14	0.66	53	3	4/5		0.43	0.26	0.56
23	2	2	1	0.22	0.14	0.80	55	3	2		0.55	0.22	0.67
24	2	3		0.54	0.15	0.54	56	3	2		0.43	0.32	0.46
26	2	1/6		0.42	0.43	0.76	57	3	2	1	0.42	0.19	0.47
27	2	2	1	0.48	0.12	0.49	58	3	1/6		0.57	0.33	0.51
29	2	3		0.46	0.32	0.47	59	3	4/5		0.24	0.22	0.67
30	2	4/5	2	0.31	0.16	0.62							

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Table 68. Constructed-Response Item Analyses, Grade 8 Mathematics

Mean Item-Total Corr.: 0.59 Mean *p*-Value: 0.40

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
3		1	2		0.48	35.36	21.26	43.21			0.18	0.54
8		1	3		0.73	41.33	13.14	10.36	33.20		1.96	0.44
11		1	3		0.13	69.61	19.63	9.17			1.59	0.19
15		1	4/5	3	0.54	52.12	23.02	22.16	1.17		1.53	0.24
20		1	1/6	2	0.68	25.07	33.59	33.00	2.16	3.38	2.79	0.30
25		2	1/6	2	0.45	41.94	38.00	19.70			0.37	0.39
28		2	1/6		0.77	28.42	30.66	23.54	16.64		0.75	0.43
32		2	4/5	3	0.64	61.22	7.77	29.26			1.76	0.33
35		2	2		0.64	20.56	36.82	9.54	32.31		0.76	0.51
40		2	4/5	3	0.75	39.42	26.25	14.05	11.12	8.58	0.56	0.31
45		3	1/6		0.56	54.35	5.69	38.40			1.56	0.41
48		3	4/5	3	0.55	10.67	53.95	25.13	9.69		0.56	0.44
51		3	2	1	0.58	66.75	11.00	21.04			1.21	0.27
54		3	3		0.70	25.60	12.50	38.92	22.19		0.79	0.52
60		3	2	1	0.71	4.94	8.70	24.22	28.39	33.28	0.46	0.69

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Table 69. Multiple-Choice Item Analyses, Grade 8 Science

Mean Item-Total Corr.: 0.35 Mean *p*-Value: 0.54

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	2	3	0.31	0.03	0.71	42	2	2		0.45	0.33	0.46
2	1	3	5	0.21	0.09	0.31	43	2	1/5	2	0.40	0.32	0.75
3	1	1/5	1	0.48	0.13	0.61	45	2	3	5	0.37	0.18	0.52
4	1	3		0.29	0.06	0.57	46	2	3	5	0.17	0.18	0.22
5	1	4		0.40	0.03	0.59	48	2	1/5	1	0.26	0.25	0.53
6	1	2	3	0.37	0.16	0.53	49	2	1/5	2	0.56	0.14	0.48
7	1	1/5	2	0.41	0.12	0.53	50	2	3	5	0.39	0.35	0.44
8	1	1/5	2	0.41	0.08	0.60	52	2	2	3	0.26	0.21	0.59
9	1	1/5	2	0.43	0.11	0.50	53	2	2	3	0.40	0.56	0.57
10	1	1/5		0.39	0.13	0.46	54	2	3	5	0.38	0.19	0.88
11	1	4		0.18	0.07	0.54	55	2	3		0.26	0.18	0.48
12	1	3		0.47	0.08	0.75	56	3	1/5	1	0.40	0.05	0.59
13	1	1/5	1	0.24	0.30	0.45	58	3	2		0.28	0.10	0.41
15	1	4		0.36	0.11	0.34	59	3	4	6	0.34	0.17	0.56
16	1	3	5	0.40	0.07	0.66	60	3	1/5	2	0.30	0.47	0.66
17	1	4	6	0.41	0.12	0.49	61	3	4	6	0.28	0.19	0.74
18	1	1/5	2	0.47	0.06	0.67	63	3	2		0.36	0.20	0.62
26	2	2	3	0.43	0.03	0.78	65	3	1/5	1	0.22	0.27	0.30
27	2	1/5	1	0.31	0.04	0.75	67	3	3	5	0.34	0.30	0.39
28	2	2	3	0.34	0.12	0.79	68	3	1/5	2	0.46	0.11	0.51
29	2	4	6	0.40	0.27	0.43	70	3	1/5	1	0.45	0.08	0.46
30	2	2		0.24	0.56	0.35	71	3	4	6	0.30	0.37	0.32
32	2	1/5	1	0.34	0.15	0.66	72	3	1/5	1	0.39	0.61	0.55
33	2	3		0.22	0.05	0.35	74	3	4	6	0.39	0.23	0.60
34	2	4		0.31	0.50	0.23	75	3	1/5	1	0.41	0.42	0.62
36	2	3	5	0.40	0.17	0.71	77	3	2	3	0.35	0.43	0.68
37	2	2		0.39	0.22	0.57	78	3	4	6	0.25	0.13	0.44
38	2	1/5	2	0.49	0.13	0.59	79	3	1/5	1	0.07	0.22	0.32
40	2	4		0.30	0.28	0.50	81	3	1/5	1	0.43	0.30	0.45
41	2	1/5	1	0.36	0.14	0.59	82	3	1/5	2	0.30	0.39	0.75

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Table 70. Constructed-Response Item Analyses, Grade 8 Science

Mean Item-Total Corr.: 0.44 Mean *p*-Value: 0.44

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
14		1	2	3	0.47	42.50	57.14				0.36	0.57
19		1	1/5	1	0.54	21.70	30.50	47.09			0.70	0.62
20		1	1/5	1	0.46	43.63	55.39				0.98	0.55
21		1	1/5	2	0.39	16.84	82.21				0.94	0.82
22		1	1/5	2	0.50	7.17	9.53	17.95	30.91	33.96	0.48	0.69
23		1	1/5	2	0.51	19.46	79.22				1.33	0.79
24		1	1/5	1	0.31	72.76	25.71				1.53	0.26
25		1	1/5	2	0.42	56.19	41.97				1.83	0.42
31		2	2		0.53	42.18	35.82	20.15			1.85	0.38
35		2	4	6	0.26	86.93	10.68				2.39	0.11
39		2	4	6	0.48	48.26	47.83	2.41			1.50	0.26
44		2	1/5	1	0.70	11.31	16.37	30.49	40.41		1.42	0.66
47		2	1/5	2	0.53	35.99	26.95	35.03			2.03	0.49
51		2	4		0.52	29.55	53.63	14.45			2.37	0.41
57		3	3		0.34	7.78	21.73	69.77			0.72	0.81
62		3	4	6	0.44	36.72	51.16	11.45			0.68	0.37
64		3	2		0.38	38.10	61.47				0.43	0.61
66		3	4	6	0.13	92.56	1.22				6.22	0.01
69		3	3	5	0.22	85.26	4.58	1.40			8.75	0.04
73		3	3		0.65	36.34	35.98	26.94			0.74	0.45
76		3	2	3	0.32	70.75	23.24	2.72			3.29	0.14
80		3	2	3	0.54	45.81	30.83	18.46			4.90	0.34
83		3	3		0.37	22.05	71.12	6.00			0.83	0.42

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Table 71. Multiple-Choice Item Analyses, Grade 9 Reading

Mean Item-Total Corr.: 0.38 Mean *p*-Value: 0.68

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
4	3	6	1	0.54	0.05	0.82	39	4	4	4	0.36	0.16	0.57
6	3	4	1	0.40	0.09	0.93	40	4	4	4	0.51	0.16	0.81
7	3	6	1	0.47	0.04	0.92	41	4	4	4	0.49	0.30	0.65
8	3	6	1	0.33	0.12	0.46	42	4	6	4	0.33	0.35	0.66
9	3	6	1	0.26	0.13	0.51	43	4	6	4	0.41	0.26	0.70
10	3	6	1	0.44	0.05	0.87	45	4	6	4	0.33	0.19	0.56
11	3	1	3	0.26	0.11	0.72	46	4	6	4	0.38	0.25	0.43
12	3	5		0.48	0.21	0.76	47	4	6	4	0.33	0.28	0.60
13	3	6	1	0.30	0.17	0.63	48	4	1	3	0.39	3.02	0.72
14	3	5		0.44	0.08	0.57	49	4	1	3	0.32	3.05	0.61
15	3	6	1	0.28	0.14	0.57	92	6	1	3	0.31	0.11	0.69
16	3	4	1	0.46	0.15	0.74	94	6	1	3	0.40	0.11	0.90
17	3	6	1	0.44	0.31	0.75	95	6	4	2	0.39	0.23	0.67
19	3	4	2	0.39	0.19	0.82	97	6	5		0.30	0.05	0.98
20	3	1	3	0.50	0.13	0.90	98	6	5		0.33	0.10	0.97
21	3	1	3	0.46	0.21	0.77	99	6	5		0.36	0.14	0.96
22	3	1	2	0.31	0.41	0.77	101	6	1	3	0.47	0.15	0.87
23	3	5		0.38	0.31	0.75	103	6	1	3	0.50	0.51	0.83
25	3	1	3	0.37	0.64	0.44	105	6	5		0.53	0.42	0.68
26	3	6	1	0.34	0.88	0.65	106	6	5	3	0.40	0.30	0.86
28	3	1	1	0.56	0.89	0.74	107	6	5		0.51	0.37	0.67
29	3	6	1	0.21	3.61	0.49	109	6	4	2	0.40	1.04	0.46
30	3	6	1	0.12	3.73	0.58	110	6	1	2	0.44	1.02	0.59
32	4	5		0.54	0.09	0.78	111	6	4	2	0.38	1.12	0.51
33	4	5		0.21	0.18	0.44	112	6	1	3	0.28	1.08	0.34
35	4	1	2	0.41	0.25	0.91	113	6	5		0.44	1.33	0.44
36	4	5		0.33	0.12	0.82	114	6	5		0.38	1.18	0.60
37	4	1	2	0.40	0.17	0.58	115	6	5		0.21	1.40	0.31

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Table 72. Constructed-Response Item Analyses, Grade 9 Reading

Mean Item-Total Corr.: 0.58 Mean *p*-Value: 0.50

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
5		3	4	1	0.50	2.57	32.97	27.12	36.01		1.33	0.65
18		3	1	2	0.53	4.70	40.95	3.91	48.20		2.25	0.64
24		3	6	2	0.58	8.75	47.14	31.48	8.97		3.65	0.46
27		3	1	1	0.61	6.73	56.30	31.23			5.73	0.59
31		4	1	2	0.52	6.08	61.91	30.40			1.61	0.61
34		4	4	2	0.59	12.12	35.13	36.46	12.83		3.46	0.49
38		4	5		0.67	10.89	13.93	22.94	49.47		2.77	0.69
44		4	6	4	0.57	28.32	52.98	15.88			2.83	0.42
93		6	1	2	0.62	28.94	26.56	33.46	6.75		4.29	0.38
96		6	4	2	0.63	9.01	19.56	41.07	27.30		3.06	0.61
100		6	5		0.67	20.59	12.10	20.54	41.52		5.25	0.59
102		6	4	2	0.49	34.71	48.92	8.57	3.99		3.81	0.26
104		6	1	2	0.59	44.79	27.55	15.08	6.66		5.93	0.26
108		6	1	2	0.61	31.19	30.86	20.82	5.69		11.43	0.30

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Table 73. Multiple-Choice Item Analyses, Grade 9 Writing

Mean Item-Total Corr.: 0.44 Mean *p*-Value: 0.70

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
50	5	2	7	0.29	0.12	0.69	71	5	3	7	0.35	0.26	0.36
51	5	2	7	0.49	0.10	0.81	72	5	3	7	0.43	0.60	0.59
52	5	3	8	0.40	0.16	0.79	73	5	3	7	0.53	0.66	0.79
53	5	2	5	0.49	0.10	0.83	74	5	3	8	0.50	0.66	0.84
54	5	2	5	0.36	0.20	0.66	75	5	3	7	0.60	0.26	0.81
55	5	3	8	0.15	0.24	0.73	76	5	3	7	0.55	0.37	0.83
56	5	3	8	0.27	0.36	0.38	77	5	3	7	0.53	0.32	0.61
57	5	3	7	0.37	0.30	0.78	78	5	2	5	0.46	0.25	0.74
58	5	3	8	0.40	0.37	0.89	79	5	3	7	0.57	0.41	0.74
59	5	3	8	0.43	0.24	0.79	80	5	2	8	0.56	0.46	0.70
60	5	3	8	0.49	0.41	0.86	81	5	2	8	0.52	0.42	0.78
61	5	3	7	0.51	0.43	0.71	82	5	2	5	0.33	0.40	0.57
62	5	3	8	0.37	0.62	0.63	83	5	2	5	0.44	0.51	0.58
63	5	2	5	0.41	0.15	0.53	84	5	3	7	0.54	0.50	0.71
64	5	2	5	0.46	0.15	0.64	85	5	2	5	0.54	0.45	0.75
66	5	3	7	0.62	0.18	0.81	86	5	2	5	0.28	0.47	0.78
67	5	3	7	0.53	0.33	0.88	87	5	3	7	0.48	0.59	0.64
68	5	3	8	0.51	0.40	0.75	88	5	2	8	0.52	0.61	0.73
69	5	3	7	0.48	0.79	0.66	89	5	3	7	0.55	0.91	0.86
70	5	2	5	-0.04	0.26	0.26	90	5	3	7	0.33	0.78	0.61

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Table 74. Constructed-Response Item Analyses, Grade 9 Writing

Mean Item-Total Corr.: 0.47 Mean *p*-Value: 0.63

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
1		1	2	6	0.16	1.67	98.33				0.00	0.98
2	A	2	3	8	0.38	77.35	22.51				0.14	0.23
2	B	2	3	8	0.35	30.19	69.67				0.14	0.70
2	C	2	3	7	0.50	21.60	78.27				0.12	0.78
2	D	2	3	7	0.47	59.38	40.49				0.12	0.40
2	E	2	3	8	0.49	39.82	60.01				0.16	0.60
2	F	2	3	8	0.37	63.89	35.98				0.13	0.36
3	A	2	2	6	0.65	0.69	1.94	36.27	46.50	14.40	0.20	0.68
3	B	2	2	6	0.66	0.08	3.30	34.71	46.41	15.29	0.21	0.68
3	C	2	3	6	0.39	0.08	5.44	94.27			0.21	0.97
65		5	2	5	0.58	0.23	3.59	31.10	52.62	11.36	1.11	0.67
91		5	2	5	0.58	0.60	10.74	37.89	42.35	5.62	2.80	0.59
116		5	2	5	0.58	0.87	10.33	46.21	34.66	3.48	4.45	0.55

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Table 75. Multiple-Choice Item Analyses, Grade 9 Mathematics

Mean Item-Total Corr.: 0.35 Mean *p*-Value: 0.47

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	4/5	1	0.41	0.10	0.79	32	2	1/6		0.38	0.40	0.14
3	1	3		0.53	0.15	0.57	33	2	1/6		0.38	0.53	0.57
4	1	2		0.49	0.21	0.44	35	2	3		0.53	0.17	0.56
5	1	2	1	0.55	0.19	0.40	36	2	4/5		0.45	0.19	0.35
6	1	3		0.27	0.13	0.45	37	2	2		0.37	0.32	0.66
8	1	2	1	0.10	0.27	0.28	38	2	3		0.33	0.35	0.37
9	1	2	2	0.44	0.23	0.60	39	2	4/5		0.51	0.55	0.41
11	1	1/6		0.46	0.47	0.43	41	3	1/6		0.41	0.11	0.57
12	1	3		0.09	0.16	0.03	42	3	1/6	2	0.43	0.11	0.50
13	1	4/5	2	0.40	0.45	0.35	43	3	3	2	0.32	0.17	0.65
15	1	2		0.26	0.25	0.87	44	3	2	2	0.29	0.20	0.32
16	1	4/5		0.23	0.34	0.59	45	3	4/5		0.43	0.47	0.65
17	1	4/5		0.21	0.42	0.39	47	3	3		0.33	0.13	0.40
18	1	2		0.25	0.78	0.40	48	3	3		0.41	0.16	0.68
19	1	1/6		0.23	0.60	0.61	50	3	1/6	2	0.24	0.86	0.28
21	2	3		0.40	0.24	0.44	52	3	2		0.41	0.23	0.32
22	2	2	1	0.33	0.11	0.40	54	3	1/6		0.41	0.51	0.69
24	2	3		0.54	0.17	0.36	55	3	2	1	0.33	0.43	0.51
25	2	4/5		0.42	0.15	0.19	56	3	4/5		0.14	0.41	0.38
26	2	1/6		0.34	0.20	0.32	57	3	4/5		-0.01	0.39	0.31
27	2	3		0.39	0.14	0.75	58	3	2		0.52	0.57	0.37
29	2	1/6		0.21	0.55	0.33	59	3	4/5		0.37	0.61	0.84
31	2	3		0.29	0.18	0.61							

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Table 76. Constructed-Response Item Analyses, Grade 9 Mathematics

Mean Item-Total Corr.: 0.63 Mean *p*-Value: 0.40

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
2		1	4/5	2	0.53	46.83	47.77				5.40	0.48
7		1	2		0.74	44.19	14.69	9.97	28.47		2.68	0.40
10		1	3		0.58	46.36	27.98	24.90			0.75	0.39
14		1	1/6	2	0.64	59.06	25.45	13.40	0.14		1.95	0.18
20		1	3	1	0.67	16.75	27.73	32.73	14.49	7.09	1.21	0.41
23		2	1/6	2	0.41	44.06	37.58	17.79			0.57	0.37
28		2	4/5	2	0.64	56.68	28.38	8.84	3.97		2.13	0.19
30		2	1/6	1	0.69	63.78	11.20	22.83			2.19	0.28
34		2	2	1	0.62	17.24	36.06	10.17	35.61		0.92	0.54
40		2	4/5		0.72	51.53	24.51	13.96	2.48	5.46	2.06	0.20
46		3	3		0.55	41.41	22.89	35.01			0.68	0.46
49		3	4/5		0.76	46.93	14.90	12.79	22.61		2.77	0.36
51		3	2	1	0.69	24.66	27.21	46.54			1.59	0.60
53		3	3		0.55	20.64	51.13	16.19	10.39		1.64	0.38
60		3	2	1	0.66	4.22	4.96	20.01	29.56	40.39	0.85	0.74

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Table 77. Multiple-Choice Item Analyses, Grade 10 Reading

Mean Item-Total Corr.: 0.39 Mean *p*-Value: 0.67

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
4	3	1	1	0.38	0.06	0.86	40	4	5		0.43	0.48	0.78
5	3	4	1	0.47	0.09	0.82	42	4	1	3	0.43	0.77	0.56
6	3	6	1	0.42	0.07	0.81	43	4	5		0.34	0.85	0.50
8	3	5		0.25	0.22	0.62	44	4	1	3	0.48	0.83	0.86
9	3	1	3	0.40	0.12	0.77	45	4	5		0.35	1.18	0.61
10	3	5		0.43	0.08	0.73	46	4	1	3	0.37	0.95	0.54
11	3	6	1	0.39	0.22	0.79	47	4	6	1	0.44	1.02	0.63
13	3	1	3	0.39	0.29	0.55	48	4	5		0.17	1.10	0.39
15	3	6	1	0.30	0.49	0.53	92	6	4	2	0.41	0.19	0.54
16	3	1	1	0.41	0.20	0.77	93	6	1	2	0.45	0.23	0.61
17	3	1	3	0.27	0.20	0.70	94	6	4	2	0.38	0.44	0.57
18	3	1	3	0.47	0.23	0.87	95	6	4	2	0.44	0.49	0.79
20	3	4	4	0.28	0.33	0.45	96	6	1	3	0.36	0.50	0.41
21	3	4	4	0.31	0.54	0.66	98	6	5		0.49	0.34	0.54
22	3	1	3	0.28	0.46	0.61	99	6	5		0.44	0.27	0.73
23	3	5		0.30	0.51	0.45	100	6	5		0.27	0.93	0.34
24	3	5		0.41	0.49	0.78	102	6	4	1	0.43	0.40	0.82
25	4	4	2	0.48	0.19	0.80	104	6	5		0.44	0.29	0.60
26	4	1	3	0.46	0.09	0.87	105	6	4	1	0.50	0.50	0.82
28	4	5		0.51	0.18	0.75	106	6	4	1	0.53	0.42	0.89
29	4	5	3	0.37	0.09	0.90	107	6	1	3	0.32	0.47	0.50
30	4	5		0.49	0.17	0.72	109	6	6	4	0.11	0.51	0.69
33	4	5		0.52	0.55	0.79	110	6	4	4	0.46	0.56	0.74
34	4	5		0.34	0.13	0.95	111	6	6	4	0.48	0.86	0.71
35	4	5		0.45	0.30	0.64	112	6	4	4	0.42	0.46	0.58
36	4	1	3	0.46	0.67	0.59	113	6	1	4	0.27	0.50	0.57
38	4	6	4	0.51	0.35	0.73	114	6	1	4	0.24	0.52	0.42
39	4	4	4	0.33	0.78	0.47	115	6	6	4	0.35	0.66	0.60

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Table 78. Constructed-Response Item Analyses, Grade 10 Reading

Mean Item-Total Corr.: 0.62 Mean *p*-Value: 0.49

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
7		3	6	1	0.55	13.85	27.38	31.85	20.21		6.71	0.51
12		3	6	1	0.61	16.33	30.01	35.51	13.49		4.67	0.47
14		3	1	1	0.67	4.37	10.62	44.89	24.68	11.40	4.05	0.55
19		3	6	4	0.51	12.01	50.57	33.95			3.47	0.59
27		4	1	2	0.61	35.40	26.71	21.16	12.88		3.86	0.36
31		4	4	2	0.48	33.86	48.10	9.32	4.86		3.86	0.27
32		4	1	2	0.70	10.81	15.64	27.11	43.29		3.15	0.67
37		4	5		0.65	9.34	10.44	26.26	48.22		5.74	0.69
41		4	1	2	0.64	19.49	32.34	17.30	23.68		7.19	0.46
91		6	1	2	0.65	23.11	36.24	24.67	8.07		7.91	0.37
97		6	4	2	0.65	14.61	23.14	53.75			8.50	0.65
101		6	6	1	0.68	23.74	23.94	33.34	13.57		5.41	0.44
103		6	4	1	0.58	24.21	41.35	24.18	4.38		5.87	0.34
108		6	6	1	0.64	27.53	33.89	32.00			6.58	0.49

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Table 79. Multiple-Choice Item Analyses, Grade 10 Writing

Mean Item-Total Corr.: 0.45 Mean *p*-Value: 0.74

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
49	5	3	7	0.44	0.10	0.95	70	5	3	7	0.50	0.33	0.86
50	5	3	8	0.35	0.11	0.57	71	5	3	7	0.30	0.36	0.63
51	5	3	7	0.49	0.17	0.93	72	5	3	7	0.54	0.39	0.83
52	5	3	8	0.48	0.13	0.79	73	5	3	7	0.52	0.35	0.92
53	5	3	7	0.53	0.27	0.89	74	5	3	7	0.53	0.46	0.81
54	5	3	7	0.30	0.35	0.75	75	5	3	7	0.58	0.52	0.87
55	5	3	7	0.51	0.49	0.83	76	5	2	5	0.33	0.37	0.60
56	5	2	5	0.40	0.15	0.57	77	5	2	5	0.45	0.37	0.65
57	5	3	7	0.47	0.18	0.75	78	5	2	5	0.36	0.38	0.46
58	5	3	7	0.50	0.33	0.84	79	5	2	5	0.46	0.40	0.74
59	5	3	7	0.52	0.36	0.76	80	5	2	5	0.50	0.47	0.66
60	5	3	7	0.26	0.42	0.39	81	5	3	8	0.30	0.50	0.33
61	5	3	7	0.45	0.21	0.95	82	5	3	7	0.53	0.84	0.73
62	5	3	7	0.46	0.26	0.72	83	5	3	7	0.54	0.80	0.90
63	5	3	7	0.51	0.36	0.85	84	5	3	7	0.56	0.70	0.88
64	5	3	7	0.36	0.32	0.82	85	5	2	5	0.31	0.49	0.52
65	5	2	5	0.52	0.15	0.84	86	5	2	5	0.35	0.54	0.56
66	5	2	5	0.38	0.19	0.70	87	5	2	7	0.54	0.88	0.88
67	5	2	5	0.34	0.21	0.66	88	5	3	7	0.54	0.83	0.84
68	5	2	5	0.46	0.24	0.79	89	5	2	5	0.35	0.66	0.59

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Table 80. Constructed-Response Item Analyses, Grade 10 Writing

Mean Item-Total Corr.: 0.43 Mean *p*-Value: 0.71

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
1		1	2	6	0.18	1.86	98.14				0.00	0.98
2	A	2	3	7	0.48	29.71	70.16				0.13	0.70
2	B	2	3	8	0.24	28.55	71.32				0.13	0.71
2	C	2	3	8	0.33	24.60	75.27				0.13	0.75
2	D	2	3	8	-0.01	19.15	80.67				0.18	0.81
2	E	2	3	8	0.43	61.18	38.54				0.27	0.39
2	F	2	3	7	0.34	17.64	82.23				0.13	0.82
3	A	2	2	6	0.68	0.74	5.21	44.58	40.18	9.06	0.22	0.63
3	B	2	2	6	0.68	0.09	6.44	44.49	39.71	9.04	0.23	0.63
3	C	2	3	6	0.52	0.11	13.40	86.27			0.23	0.93
69		5	2	5	0.56	0.52	5.72	28.08	50.70	12.52	2.47	0.66
90		5	2	5	0.61	0.88	9.72	37.96	41.65	6.54	3.26	0.59
116		5	2	5	0.60	0.81	7.84	36.14	44.53	7.32	3.37	0.61

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Table 81. Multiple-Choice Item Analyses, Grade 10 Mathematics

Mean Item-Total Corr.: 0.37 Mean *p*-Value: 0.47

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	1/6		0.48	0.28	0.33	32	2	1/6		0.25	0.29	0.25
2	1	4/5		0.29	0.43	0.30	33	2	1/6		0.26	0.92	0.41
3	1	1/6		0.22	0.19	0.63	35	2	3		0.36	0.24	0.57
4	1	4/5	1	0.41	0.07	0.79	36	2	2	1	0.58	0.33	0.60
6	1	3		0.31	0.25	0.44	37	2	3	1	0.45	0.14	0.65
7	1	2	1	0.36	0.23	0.37	38	2	2		0.43	0.15	0.62
9	1	3	2	0.18	0.33	0.34	39	2	2		0.40	0.31	0.63
10	1	1/6		0.48	0.26	0.53	41	3	2		0.36	0.15	0.47
11	1	4/5		0.49	0.41	0.32	42	3	3		0.33	0.19	0.66
12	1	1/6		0.44	0.52	0.45	43	3	3	2	0.32	0.18	0.28
14	1	4/5		0.41	0.20	0.57	45	3	2		0.56	0.32	0.44
15	1	3		0.36	0.21	0.61	46	3	2		0.48	0.35	0.55
16	1	2	1	0.44	0.20	0.47	47	3	1/6		0.28	0.48	0.31
18	1	1/6		0.27	0.46	0.54	48	3	4/5		0.58	0.47	0.37
19	1	1/6		0.55	0.99	0.31	50	3	4/5		0.28	0.27	0.33
21	2	4/5		0.44	0.26	0.27	51	3	2	1	0.23	0.19	0.79
22	2	3		0.37	0.05	0.72	52	3	1/6		0.50	0.26	0.65
23	2	2	1	0.36	0.10	0.27	54	3	2		0.25	0.44	0.35
24	2	4/5		0.41	0.45	0.22	56	3	3	2	0.36	0.25	0.57
26	2	1/6		0.42	0.27	0.61	57	3	3	2	0.14	0.35	0.05
27	2	4/5		0.30	0.11	0.45	58	3	1/6		0.31	0.57	0.35
29	2	2		0.17	0.58	0.34	59	3	2		0.43	0.37	0.71
30	2	3	1	0.38	0.22	0.72							

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Table 82. Constructed-Response Item Analyses, Grade 10 Mathematics

Mean Item-Total Corr.: 0.62 Mean *p*-Value: 0.35

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
5		1	3	2	0.57	47.25	28.91	23.25			0.60	0.38
8		1	4/5	1	0.63	51.00	34.97	5.70	6.71		1.62	0.22
13		1	2	1	0.69	35.96	34.08	27.04			2.93	0.44
17		1	1/6	1	0.67	56.90	25.89	14.55	0.32		2.34	0.19
20		1	4/5		0.74	46.30	25.74	15.72	2.76	6.61	2.87	0.23
25		2	3		0.34	12.08	52.35	34.72			0.84	0.61
28		2	3		0.62	19.30	53.02	24.90	1.84		0.94	0.36
31		2	1/6		0.70	62.14	10.79	24.34			2.73	0.30
34		2	2	1	0.61	16.11	20.63	37.14	24.88		1.23	0.57
40		2	3	1	0.64	3.72	34.04	41.53	8.46	11.46	0.80	0.47
44		3	3	2	0.23	93.96	2.16	2.32			1.57	0.03
49		3	4/5		0.73	31.20	10.92	18.88	37.55		1.45	0.54
53		3	2		0.68	62.52	4.89	27.54			5.05	0.30
55		3	2	1	0.68	54.58	20.14	6.06	16.01		3.21	0.27
60		3	4/5		0.73	26.56	34.40	11.98	15.26	8.88	2.91	0.35

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Table 83. Multiple-Choice Item Analyses, Grade 10 Science

Mean Item-Total Corr.: 0.33 Mean *p*-Value: 0.54

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	1/5	2	0.38	0.04	0.70	46	2	1/5	1	0.04	0.18	0.27
2	1	3	5	0.26	0.02	0.73	47	2	1/5	1	0.31	0.22	0.36
3	1	1/5	2	0.41	0.09	0.61	48	2	3	5	0.44	0.30	0.64
4	1	2	4	0.18	0.09	0.35	49	2	4	6	0.49	0.26	0.75
5	1	1/5	1	0.43	0.08	0.48	50	2	1/5	1	0.42	0.20	0.81
6	1	2	4	0.08	0.07	0.28	51	2	1/5	1	0.42	0.28	0.72
7	1	2	4	0.25	0.12	0.37	53	2	4	6	0.42	0.15	0.83
8	1	3	5	0.40	0.10	0.41	54	2	1/5	1	0.47	0.15	0.87
10	1	1/5	1	0.29	0.17	0.49	56	3	1/5	2	0.52	0.06	0.64
11	1	4		0.29	0.09	0.37	57	3	1/5	1	0.29	0.09	0.59
12	1	2		0.29	0.09	0.39	60	3	1/5	1	0.42	0.50	0.43
13	1	2		0.53	0.14	0.62	62	3	4	6	0.31	0.36	0.49
14	1	1/5	2	0.53	0.14	0.71	64	3	1/5		0.37	0.21	0.69
16	1	3	5	0.34	0.33	0.48	65	3	1/5		0.34	0.33	0.55
17	1	2	4	0.28	0.08	0.42	66	3	4	6	0.31	0.22	0.57
18	1	3		0.43	0.17	0.44	67	3	4	6	0.38	0.14	0.81
19	1	1/5	1	0.29	0.27	0.61	68	3	1/5	1	0.03	0.12	0.23
20	1	4	6	0.20	0.29	0.56	69	3	3	5	-0.04	0.10	0.32
21	1	3		0.22	0.09	0.30	70	3	1/5	2	0.33	0.16	0.73
28	2	4	6	0.40	0.16	0.58	71	3	2		0.27	0.22	0.45
30	2	2	4	0.50	0.13	0.54	72	3	2	4	0.38	0.18	0.74
31	2	1/5	2	0.24	0.62	0.43	73	3	1/5	2	0.43	0.65	0.74
33	2	2		0.21	0.18	0.33	74	3	3	5	0.40	0.29	0.52
34	2	1/5	1	0.25	0.14	0.46	76	3	4	6	0.45	0.33	0.57
35	2	4	6	0.16	0.19	0.45	77	3	3	5	0.30	0.28	0.37
37	2	1/5	1	0.39	0.42	0.81	78	3	4		0.36	0.35	0.38
40	2	3	5	0.41	0.19	0.75	79	3	1/5		0.30	0.43	0.36
41	2	1/5	2	0.43	0.13	0.87	80	3	3	5	0.40	0.40	0.41
43	2	4	6	0.16	0.21	0.39	81	3	2	4	0.40	0.21	0.33
45	2	3		0.44	0.13	0.76	82	3	2	4	0.30	0.22	0.61

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Table 84. Constructed-Response Item Analyses, Grade 10 Science

Mean Item-Total Corr.: 0.44 Mean *p*-Value: 0.33

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
9		1	4	6	0.51	46.95	37.53	13.64			1.88	0.32
15		1	4	6	0.52	30.63	42.13	25.62			1.63	0.47
22		1	1/5	2	0.58	19.53	12.79	15.39	21.11	29.26	1.91	0.56
23		1	1/5	1	0.44	33.82	23.15	39.52			3.50	0.51
24		1	1/5	1	0.54	33.40	42.27	20.13			4.20	0.41
25		1	1/5	1	0.32	60.91	34.28				4.81	0.34
26		1	1/5	2	0.42	66.66	28.31				5.02	0.28
27		1	1/5	2	0.32	55.10	40.96				3.94	0.41
29		2	3		0.34	41.61	55.88				2.51	0.56
32		2	1/5	2	0.27	72.11	24.96				2.92	0.25
36		2	3	5	0.51	45.62	26.24	4.71			23.43	0.18
38		2	2	4	0.45	69.19	17.65	9.00			4.16	0.18
39		2	2	4	0.54	63.14	10.71	15.28			10.87	0.21
42		2	3	5	0.47	51.48	32.78	5.30			10.45	0.22
44		2	1/5	1	0.51	42.70	17.86	35.88			3.56	0.45
52		2	3	5	0.40	70.09	18.30	0.85			10.76	0.10
55		3	4		0.38	58.79	39.25				1.96	0.39
58		3	1/5	1	0.44	35.62	53.84	8.31			2.24	0.35
59		3	2	4	0.40	83.04	9.36				7.60	0.09
61		3	4	6	0.45	55.91	33.74	5.36			4.99	0.22
63		3	4	6	0.28	59.07	31.61	3.52			5.80	0.19
75		3	2		0.56	41.61	35.98	20.00			2.42	0.38
83		3	1/5	2	0.47	42.33	54.23				3.44	0.54

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Table 85. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 3 Reading

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.87148	0.2123	0.2239	14.61	21	0.32306	-0.8484	0.0000	2.26
2	0.73340	0.7954	0.2154	17.50	22	0.84168	-1.2039	0.0643	1.41
3	1.00047	-0.0518	0.2977	12.11	24	0.77579	-1.1563	0.0306	6.26
5	1.26025	-0.5670	0.2852	13.50	25	0.50560	0.3183	0.1717	49.55
6	0.90074	-0.5399	0.2430	6.09	26	0.95185	-0.4149	0.1862	17.31
7	0.40251	-1.5867	0.1360	14.41	28	1.03737	0.0373	0.4197	17.96
8	0.70436	0.5188	0.0777	40.94	29	0.93045	-0.7534	0.1556	7.59
9	0.56062	-0.5248	0.1849	6.50	30	0.99809	-0.7803	0.3689	10.47
10	1.07604	-0.1498	0.2592	23.51	32	0.75178	-0.7467	0.0589	10.54
11	0.92822	0.9658	0.2529	26.37	33	0.71944	-1.3200	0.0484	3.42
12	0.44483	-1.6177	0.2000	53.39	34	0.84374	-1.4119	0.2505	8.52
14	0.87386	-1.6373	0.1717	58.77	35	0.78455	-0.6142	0.2304	7.89
15	1.08878	0.6116	0.1922	80.15	36	0.42241	-0.4955	0.2000	24.89
17	0.71633	-1.3527	0.0496	7.72	38	1.30097	0.8196	0.2165	62.66
18	1.10635	-1.8004	0.1717	15.34	39	0.93801	-1.6326	0.1316	9.61
19	0.61171	-1.4268	0.1717	3.27	40	0.69075	0.2373	0.3764	15.71

N=57546 M1=60.0076 M2=571.2853 Critical Z=153.46

Table 86. Item Parameter and Fit Summary, Constructed-Response Items, Grade 3 Reading

Item	Part	f	g1	g2	g3	g4	Fit-Z
4		1.18804	-1.3461	1.8901			133.70
13		0.65733	-0.8650	0.1568	1.8294		108.49
16		0.55690	-0.6211	-0.8962			144.85
20		0.68603	-1.1458	0.7826	2.2893		26.19
23		0.60059	-0.3853	0.7727	1.7788		33.67
27		1.40914	-0.7120	2.6184			83.54
31		0.88713	-0.2802	-0.1443	1.0709		92.41
37		1.05130	-1.1347	1.3994			27.72

N=57546 M1=60.0076 M2=571.2853 Critical Z=153.46

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Table 87. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 3 Reading (Spanish)

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
3	0.93745	1.2845	0.1122	0.46	21	1.54670	-1.9758	0.2000	-0.41
4	0.34006	-0.7786	0.2000	2.84	22	0.91119	-0.1558	0.3626	-0.72
5	0.46652	1.8242	0.1691	1.76	23	1.41577	-1.4183	0.2000	-0.52
6	0.97645	1.6655	0.1508	-0.78	24	0.68224	-1.4662	0.2000	-0.18
7	0.67079	1.5778	0.1390	-0.65	27	0.67958	-1.9677	0.2000	1.36
9	0.69928	0.4300	0.2000	-0.37	28	0.85301	-0.8690	0.1528	0.09
10	0.50358	-0.1872	0.2000	2.94	29	0.59387	-1.1204	0.2000	1.68
11	0.68534	-0.4401	0.2000	0.21	30	1.06614	0.3737	0.2521	0.60
12	0.53662	0.2077	0.1659	0.37	31	1.01174	0.0811	0.2791	1.86
13	0.91829	1.1092	0.1724	-0.13	33	0.64071	-0.1927	0.2000	-0.03
14	0.18065	3.9038	0.2000	0.93	34	1.01441	0.9990	0.3235	0.35
15	0.98753	-0.9296	0.2000	-0.94	35	0.27636	3.5401	0.2294	-0.83
16	0.89134	-1.3004	0.2000	-0.73	37	1.28936	-0.8824	0.1173	-0.10
18	0.64552	-0.8697	0.2000	1.11	38	0.73287	-0.3789	0.2000	-0.77
19	1.00044	-0.8954	0.2000	-1.03	39	0.89423	-0.1471	0.2177	0.46
20	0.91870	-0.5557	0.2000	1.11	40	0.69073	-0.0368	0.1881	-0.03

Pre-Equated N=1349 M1=39.2941 M2=528.4950 Critical Z=3.60

Table 88. Item Parameter and Fit Summary, Constructed-Response Items, Grade 3 Reading (Spanish)

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		0.50984	0.7846	-1.0093	-0.3516		6.00
2		0.75468	0.6805	-0.4074	-1.5945		-0.71
8		0.96815	-0.6878	-0.3734			1.66
17		0.65207	-0.5415	-0.4347	0.1401		0.52
25		1.11052	-1.7454	-0.9812			-0.05
26		0.54739	0.6116	0.0062			3.42
32		0.71939	-0.5830	0.3039	1.8817		1.12
36		1.14170	-1.0634	-0.3895			0.98

Pre-Equated N=1349 M1=39.2941 M2=528.4950 Critical Z=3.60

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Table 89. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 3 Writing

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
2	0.88205	-1.4543	0.2157	6.96	21	1.19807	-1.6610	0.3051	4.16
3	1.14555	-2.2098	0.2000	7.04	22	0.94252	-1.9417	0.2000	3.91
4	1.29023	-1.4014	0.2850	1.68	23	0.69472	-2.0298	0.1365	3.13
5	1.08997	-1.5155	0.1653	7.92	24	1.03864	-0.2448	0.1879	8.51
6	1.09263	-1.5648	0.3463	1.78	25	0.63909	-0.9602	0.1422	3.91
7	1.18456	-0.9000	0.3316	16.61	26	0.85388	-1.7112	0.1803	4.63
8	0.83649	-1.6117	0.2000	3.61	28	1.28728	-1.5111	0.3070	5.59
9	0.97036	-1.2513	0.2232	19.60	29	1.01162	-1.0500	0.1845	5.37
11	0.71003	0.9958	0.1884	17.18	30	0.87997	-2.0738	0.2000	2.02
12	0.72725	-1.0733	0.2000	4.14	31	0.54871	0.4306	0.2410	9.82
13	0.80218	0.8068	0.1243	40.56	32	0.94806	-0.4144	0.1712	7.85
14	0.69994	-1.0991	0.2029	3.95	33	1.28754	-0.9202	0.2035	4.49
15	0.67329	-1.1203	0.2000	11.96	34	1.08332	-1.7689	0.2000	25.24
16	0.98076	-0.2564	0.1718	10.90	35	1.26070	-0.9670	0.1922	13.07
17	1.03314	-0.2095	0.2265	10.04	36	0.89155	-0.5902	0.2468	5.05
18	0.87254	-0.8955	0.2345	1.87	37	1.38088	-0.9361	0.2469	5.75
19	0.74473	-0.8039	0.2881	6.21	38	0.61956	-0.5998	0.1346	5.00
20	1.23735	-1.1485	0.3771	2.99					

N=60796 M1=43.9742 M2=464.5625 Critical Z=162.12

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Table 90. Item Parameter and Fit Summary, Constructed-Response Items, Grade 3 Writing

Item	Part	f	g1	g2	g3	g4	Fit-Z
1	A	1.48973	-2.2252				0.46
1	B	2.04450	-1.9257				6.29
1	C	1.65208	-1.9248				82.05
1	D	1.36279	-0.8565				8.04
1	E	1.21268	-1.3920				5.68
1	F	1.77690	-1.5238				7.69
10	A	1.08690	-4.4575	1.0493			51.79
10	B	1.80050	-5.0214				12.59
10	C	1.65840	-1.4734				4.48
10	D	1.81688	-2.8152				12.11
27	A	1.09164	-4.4172	0.6299			87.05
27	B	2.17405	-5.4518				10.29
27	C	1.72213	-1.7378				9.83
27	D	1.82819	-2.5973				6.76
39	A	1.13725	-4.6331	0.8045			51.46
39	B	2.02360	-5.4776				16.78
39	C	1.68079	-1.6231				9.78
39	D	1.76949	-3.1484				6.15

N=60796 M1=43.9742 M2=464.5625 Critical Z=162.12

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Table 91. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 3 Writing (Spanish)

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.72636	-1.6356	0.2000	-0.42	21	0.56024	-0.8516	0.2000	-0.21
2	0.69865	-1.6673	0.2000	-0.09	22	0.91660	0.1488	0.2061	1.56
3	0.79960	-1.7859	0.2000	0.18	23	0.72320	-0.7483	0.2000	2.07
5	0.56896	-0.1673	0.2000	0.38	24	0.64572	-0.6175	0.2000	1.94
6	0.67890	-1.2497	0.2000	5.31	25	0.74924	-1.0085	0.2000	0.38
7	0.57375	-0.7923	0.2000	0.07	26	0.77749	1.0288	0.1889	-0.29
8	0.69572	0.3141	0.1901	-0.75	28	0.60282	-0.5751	0.1929	0.18
9	0.88029	0.3406	0.2014	0.18	29	1.09060	-1.4228	0.2000	-0.21
10	0.86365	-2.3712	0.2000	1.26	30	0.96215	-1.3955	0.2000	-0.72
11	0.71952	-1.5266	0.2000	-0.21	31	0.91521	-0.7958	0.2000	-0.66
12	0.98466	-1.9949	0.2000	0.89	32	0.63928	-0.0727	0.2000	-0.45
13	0.55883	-1.1144	0.2000	1.64	33	0.83169	-0.2761	0.1889	-0.32
14	0.70850	-1.0884	0.2000	-0.06	34	1.15607	-1.7872	0.2000	-0.91
15	0.80286	-0.9017	0.2000	-1.51	35	1.03792	-1.8187	0.2000	-1.08
17	0.95328	-0.8250	0.2000	0.81	36	0.84772	-0.4358	0.2000	2.11
18	1.35829	1.9369	0.1836	0.91	37	0.59765	0.3643	0.2000	-0.60
19	0.98987	1.7456	0.1935	0.41	38	0.56619	-1.0763	0.2000	-0.13
20	0.76280	-0.3028	0.2000	-0.26					

Pre-Equated N=1471 M1=64.1898 M2=501.4712 Critical Z=3.92

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Table 92. Item Parameter and Fit Summary, Constructed-Response Items, Grade 3 Writing (Spanish)

Item	Part	f	g1	g2	g3	g4	Fit-Z
4	A	1.08595	-1.7175				-1.12
4	B	1.10075	1.3937				2.66
4	C	1.05723	-0.8095				0.68
4	D	1.07840	-0.7179				0.51
4	E	1.14458	-0.1152				0.73
4	F	0.91387	-1.5841				0.33
16	A	1.05874	-2.6250	1.2813			-0.51
16	B	1.16766	-0.7295				0.23
16	C	1.84093	-1.9080				2.70
16	D	1.68899	-3.1443				-0.99
27	A	1.41742	-1.5381	1.7595			2.24
27	B	1.58094	0.1036				0.50
27	C	2.23694	-1.1389				-0.68
27	D	1.98233	-2.0143				-0.39
39	A	1.06278	-1.8229	1.4828			-0.62
39	B	1.06040	0.4272				-0.82
39	C	1.63350	-0.8728				0.40
39	D	1.23269	-2.0762				0.39

Pre-Equated N=1471 M1=64.1898 M2=501.4712 Critical Z=3.92

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Table 93. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 3 Mathematics

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.61358	-2.1334	0.1631	6.19	21	0.70440	-1.9193	0.2000	17.19
2	1.75617	2.6647	0.1309	92.72	22	1.21165	-0.3873	0.2821	21.14
3	0.62058	1.1342	0.0542	8.67	24	0.52014	-3.0165	0.2000	3.70
4	0.68789	-0.2246	0.4396	10.93	25	0.47969	-0.2206	0.2361	5.83
5	0.87688	0.4188	0.2404	4.70	26	0.71154	-1.5333	0.3631	2.95
7	0.77513	-2.3686	0.1017	4.47	27	1.16925	-0.1925	0.2384	9.29
8	0.45961	-2.6977	0.2000	7.46	28	0.64275	-1.3940	0.0908	1.15
9	0.87013	-1.1492	0.1039	0.42	29	0.58126	-0.5050	0.2527	0.85
11	0.74285	-0.3759	0.0458	5.88	31	0.98823	-0.2137	0.0298	10.10
12	0.62292	-1.1954	0.3098	4.77	32	1.01987	-0.5841	0.1075	2.17
13	0.82625	-0.8961	0.2592	5.56	33	1.06615	-0.4042	0.1261	8.08
14	0.65688	-0.2641	0.2887	2.64	34	1.05577	-0.9707	0.0570	16.71
16	0.97171	-1.7231	0.1023	8.22	35	0.64167	-0.4784	0.1081	0.52
17	1.06329	-0.8046	0.2224	5.68	36	1.05953	0.5295	0.0502	12.02
18	1.00845	-0.2771	0.2095	12.50	38	0.99210	-0.6248	0.0301	6.93
19	0.69339	-1.9350	0.1631	21.90	39	0.36890	-3.1743	0.2000	10.14

N=55184 M1=74.8343 M2=473.5292 Critical Z=147.16

Table 94. Item Parameter and Fit Summary, Constructed-Response Items, Grade 3 Mathematics

Item	Part	f	g1	g2	g3	g4	Fit-Z
6		1.52724	-1.8399	2.3414			53.05
10		0.97535	-0.6049	-0.1299			38.83
15		0.80555	-1.6004	-0.4222			89.34
20		1.03578	-1.8938	0.4786	0.3783		109.65
23		1.07242	-2.5044	-0.9158			58.19
30		1.13244	-0.8908	-1.1864			14.91
37		1.23435	-0.0109	0.9299			229.37
40		1.10850	-3.6578	-1.1978	-0.1883		17.90

N=55184 M1=74.8343 M2=473.5292 Critical Z=147.16

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Table 95. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 4 Reading

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
4	0.62878	-2.7960	0.2000	14.25	40	0.84216	0.1258	0.1709	48.22
6	1.12109	0.1644	0.1243	14.50	42	1.16437	-0.5535	0.2295	5.40
7	0.85611	-0.7266	0.1430	5.70	44	1.30228	-1.1407	0.2294	1.72
8	0.50134	-3.0231	0.2000	51.12	45	1.19183	-0.1956	0.2981	13.47
9	0.68109	0.2542	0.2080	1.33	46	0.93769	-0.6793	0.1630	3.48
10	0.57138	-1.5520	0.2000	17.36	47	0.63643	0.2228	0.2098	60.78
11	0.77290	0.0671	0.2407	17.62	48	0.68200	-0.9729	0.0628	18.72
12	0.98132	-0.2730	0.1153	43.70	49	0.85418	0.4689	0.2498	26.90
13	1.16784	-1.2183	0.2626	2.42	51	0.52761	-1.0527	0.1752	1.42
14	0.65294	-2.0740	0.1734	34.21	94	1.13937	-0.3724	0.2211	3.88
15	0.80934	0.3605	0.2540	4.82	95	0.76928	-1.0562	0.2738	5.52
16	0.85643	0.8390	0.1540	4.54	96	0.86858	-1.8870	0.1939	99.86
19	1.17454	0.5277	0.1667	14.61	97	1.05600	-1.0756	0.2845	4.18
21	0.74420	-1.0529	0.2170	8.65	98	0.92535	0.1958	0.1880	15.96
22	0.35939	-1.4098	0.0000	5.76	99	1.10754	-1.5169	0.3113	1.67
24	1.36638	0.3068	0.2220	22.16	100	0.90755	-0.8123	0.1119	1.54
25	1.18345	-1.7056	0.2651	5.13	102	0.32983	-1.7694	0.2000	134.62
26	0.87720	-0.9049	0.3657	21.73	103	0.73924	-1.1055	0.1147	7.79
27	0.97705	-0.0673	0.2693	12.52	104	1.02421	-0.6113	0.1621	10.80
28	1.17588	-0.2158	0.1707	19.75	105	1.27003	-0.6914	0.2190	1.45
29	0.62776	-1.7876	0.1939	8.61	106	1.38405	-1.2677	0.2280	3.14
31	0.40828	-0.3504	0.2000	11.54	107	1.14929	0.9394	0.2420	14.34
32	0.87360	-1.6257	0.0655	4.53	110	0.41377	-0.0193	0.1061	17.41
34	0.74158	-1.1257	0.0640	3.87	111	0.86415	-0.0534	0.2813	10.44
35	1.67678	-0.9462	0.2881	3.84	112	0.94258	-0.0282	0.2030	20.23
36	0.71292	-1.3134	0.1386	6.79	113	1.02566	-0.8557	0.2219	3.37
37	1.26985	-0.7927	0.2463	3.97	115	0.97640	0.7516	0.1915	8.81
38	1.09398	-0.2163	0.2217	16.80					

N=61059 M1=52.3538 M2=590.3867 Critical Z=162.82

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Table 96. Item Parameter and Fit Summary, Constructed-Response Items, Grade 4 Reading

Item	Part	f	g1	g2	g3	g4	Fit-Z
5		1.01759	-1.0483	-0.0356			78.58
18		0.74121	0.0803	-0.1267	0.4698		13.99
20		0.88755	-1.0889	0.2545	2.4953		82.69
23		0.87205	-1.3339	0.5277			33.91
30		0.65053	-1.0333	0.0830	2.2206		24.89
33		0.57427	-0.6392	0.6018	1.1304		40.24
39		0.66879	-0.6640	0.7821	2.9465		101.50
41		1.05552	-0.2380	2.1131			16.85
43		0.71000	-1.3770	-0.0011	0.6102		48.45
50		1.08985	0.1997	2.5966			102.98
101		0.71592	-0.9866	-1.7774			69.91
108		0.91366	-0.3923	-0.8960			244.33
109		0.91515	-1.1251	0.6987	3.0875		260.53
114		0.86776	-0.4190	-0.7633			32.28

N=61059 M1=52.3538 M2=590.3867 Critical Z=162.82

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Table 97. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 4 Reading (Spanish)

Item	Source Year	a	b	c	Fit-Z	Item	Source Year	a	b	c	Fit-Z
4	2004	0.83	0.55	0.18	-0.1	39	2004	0.47	-0.26	0.20	-0.6
5	2005	1.08	0.40	0.26	-0.4	40	2004	0.85	-1.09	0.20	-0.4
6	2005	0.37	-0.98	0.20	1.1	41	2004	0.75	0.07	0.20	0.1
7	2004	1.64	1.44	0.27	-0.2	43	2004	0.79	1.02	0.17	-0.5
8	2004	0.50	2.47	0.22	0.0	46	2004	0.86	-1.13	0.20	-0.5
9	2004	0.86	-0.09	0.31	-0.2	47	2004	1.39	2.34	0.34	-0.9
10	2004	0.67	0.02	0.30	0.0	48	2004	0.99	1.82	0.27	2.4
11	2004	0.17	-1.09	0.20	-0.6	91	2004	0.88	-1.58	0.20	-0.7
12	2004	0.24	3.74	0.20	0.9	92	2004	0.58	-0.77	0.20	2.7
15	2004	0.26	-1.31	0.20	-1.1	93	2005	0.94	-0.07	0.20	0.5
16	2004	0.61	-0.87	0.20	-0.1	94	2004	0.55	-1.11	0.20	0.5
17	2004	0.33	-2.10	0.20	-0.2	95	2004	0.80	-1.43	0.20	0.6
18	2004	0.65	-0.91	0.20	0.4	96	2005	0.98	-0.24	0.24	0.3
19	2004	0.87	-2.42	0.20	-0.1	99	2004	0.50	0.62	0.20	0.8
20	2004	0.14	0.37	0.20	1.3	101	2004	0.67	0.49	0.18	-1.1
21	2004	0.91	-0.01	0.18	-0.3	102	2004	0.95	0.76	0.18	0.3
22	2004	0.92	0.25	0.16	-0.1	103	2004	0.81	-1.02	0.20	0.3
23	2004	0.57	0.30	0.20	2.9	104	2004	0.87	-0.03	0.35	0.7
24	2007	0.58	-0.48	0.20	-0.5	105	2007	0.56	0.06	0.20	-0.3
26	2004	0.36	0.36	0.20	0.0	106	2004	1.09	1.37	0.18	-0.2
27	2005	1.29	-0.76	0.40	0.2	107	2004	1.08	0.59	0.24	-0.2
28	2004	0.46	-0.70	0.20	-1.2	109	2004	0.50	-0.55	0.20	0.1
30	2004	0.46	1.17	0.20	-1.4	110	2004	0.51	0.50	0.20	-0.3
32	2007	0.74	0.91	0.20	-0.4	111	2004	0.96	-0.50	0.21	1.3
35	2004	0.94	-0.95	0.20	-1.5	112	2004	0.48	0.09	0.20	1.1
36	2004	1.19	0.02	0.18	0.6	113	2004	0.32	-1.53	0.20	1.7
37	2004	0.87	-1.01	0.20	-0.3	114	2004	0.70	-0.31	0.21	-1.1
38	2004	0.77	0.92	0.20	0.1	115	2004	0.82	0.19	0.24	-0.3

2004 Pre-Equated N=523 M1=33.6050 M2=534.8632 Critical Z=1.39
2005 Pre-Equated N=489 M1=39.5116 M2=550.2315 Critical Z=1.30
2007 Pre-Equated N=264 M1=36.1958 M2=514.4683 Critical Z=0.70

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Table 98. Item Parameter and Fit Summary, Constructed-Response Items, Grade 4 Reading (Spanish)

Item	Part	Source Year	f	g1	g2	g3	g4	Fit-Z
13		2004	0.57	-0.60	-0.85	0.97		0.1
14		2004	0.44	0.17	2.84			0.7
29		2004	0.92	-1.39	-0.76	-1.82		-2.0
31		2007	1.13	1.92	1.17			-1.1
33		2004	0.51	-0.10	0.50	0.59		1.2
34		2004	0.82	-0.60	-0.16	-0.21		1.3
42		2004	0.71	0.29	0.84			-0.3
44		2004	0.53	-0.16	-0.41			1.7
45		2007	0.68	0.24	0.39	1.66		-0.7
97		2004	0.51	-0.50	0.36			-0.7
98		2004	0.59	-0.40	0.16	0.37		-1.1
100		2004	0.74	-0.30	0.90			-1.7
108		2004	0.74	-0.47	-1.38			0.5
116		2004	0.45	0.79	-1.94	1.37		1.4

2004 Pre-Equated N=523 M1=33.6050 M2=534.8632 Critical Z=1.39
2007 Pre-Equated N=264 M1=36.1958 M2=514.4683 Critical Z=0.70

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Table 99. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 4 Writing

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
52	1.08564	-1.4271	0.3216	7.96	73	0.69756	-0.4351	0.0844	28.48
53	0.96524	-1.7320	0.2284	13.35	74	0.51297	0.5954	0.2027	7.38
54	0.81390	-2.0561	0.1269	4.61	75	0.58599	-0.2701	0.1392	4.79
55	0.79137	-1.9972	0.2000	1.51	76	0.71037	-1.6914	0.2000	9.00
56	0.60691	-2.9299	0.2000	7.31	77	0.88566	-0.9850	0.2364	3.65
57	0.57216	-2.3330	0.1888	7.13	78	1.14470	-1.1085	0.2724	7.67
58	0.81485	0.4545	0.2209	19.61	79	1.14221	-1.0387	0.2794	10.05
59	0.62052	-2.4878	0.2000	5.26	80	1.11107	-0.9614	0.1865	26.20
60	0.64753	-1.9622	0.2000	2.26	81	0.52606	1.4115	0.2084	29.20
61	1.18330	-2.0093	0.2000	5.34	82	0.60722	-1.9785	0.2000	69.63
62	0.92600	-1.9569	0.1888	44.42	83	1.08624	-0.5007	0.2200	10.20
63	1.13147	-1.5141	0.3708	6.35	84	0.27223	-0.2942	0.2000	47.16
64	0.62284	0.4667	0.1788	15.85	85	1.30683	-1.2139	0.1939	13.26
65	0.56497	-1.2652	0.1888	21.56	86	0.71769	-0.1479	0.1146	9.36
66	0.72810	-2.0178	0.2000	2.81	87	0.73213	-1.1209	0.1106	22.41
67	0.89393	-1.0804	0.1438	6.15	88	1.16233	-1.0851	0.3194	13.67
68	0.50622	-1.5187	0.2000	30.88	89	0.39327	0.9980	0.0528	14.98
70	0.55802	-2.9914	0.2000	7.63	90	0.83773	-0.5743	0.2125	8.78
71	0.74805	-1.6296	0.1237	3.89	91	0.82209	0.8178	0.3664	17.36
72	1.08270	-1.8713	0.2426	23.87	92	0.90708	-0.7413	0.2180	8.31

N=60869 M1=46.8205 M2=493.7859 Critical Z=162.32

Table 100. Item Parameter and Fit Summary, Constructed-Response Items, Grade 4 Writing

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		0.86401	-4.5029				1.00
2	A	0.44948	-2.7578				5.73
2	B	0.82971	-0.7903				0.98
2	C	1.16060	-1.7928				13.29
2	D	1.18381	-1.6550				11.87
2	E	1.48341	-3.8001				8.00
2	F	1.51720	-3.1594				10.35
3	A	1.38086	-3.9591	-3.3896	0.6618	2.6868	402.08
3	B	1.54383	-4.9603	-2.7879	0.9765	2.7544	144.08
3	C	1.82104	-5.1819	-2.6611			15.68
69		0.86409	-2.4835	-2.6686	-0.2374	2.5718	137.27
93		0.79227	-1.7889	-1.9488	0.1853	2.7562	325.32
116		0.96589	-2.7031	-2.9015	0.3593	3.1310	85.05

N=60869 M1=46.8205 M2=493.7859 Critical Z=162.32

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Table 101. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 4 Writing (Spanish)

Item	Source Year	a	b	c	Fit-Z	Item	Source Year	a	b	c	Fit-Z
49	2004	0.63	-1.77	0.20	0.0	70	2004	0.91	0.74	0.20	-0.5
50	2004	0.77	-1.13	0.20	-0.4	71	2004	0.56	0.45	0.20	2.2
51	2004	0.61	-1.44	0.20	0.5	72	2004	0.64	0.31	0.20	-0.1
52	2004	0.41	1.19	0.20	-0.1	73	2004	0.63	1.09	0.22	-1.1
53	2004	0.73	-2.73	0.20	-1.3	74	2004	0.96	-0.16	0.30	3.7
54	2004	0.55	-0.15	0.20	0.9	75	2004	0.37	1.69	0.21	-0.5
55	2005	0.56	-1.26	0.20	1.4	76	2004	0.63	0.98	0.20	-0.3
56	2004	0.56	-1.38	0.20	1.0	77	2004	0.66	1.31	0.23	-1.1
57	2004	0.67	0.91	0.19	-0.7	78	2004	1.22	1.17	0.22	-0.8
58	2004	1.01	0.64	0.31	0.9	79	2004	0.23	-0.69	0.20	1.8
59	2004	0.65	0.81	0.20	-0.5	80	2004	1.64	1.21	0.26	-1.0
60	2004	0.49	0.23	0.20	-0.7	81	2005	0.92	0.48	0.30	-0.9
61	2004	1.10	0.64	0.30	-0.2	82	2004	1.27	0.63	0.18	0.3
62	2004	0.59	2.15	0.19	-0.8	83	2005	0.52	0.21	0.19	0.8
64	2004	0.87	0.97	0.24	-0.2	84	2005	1.02	0.50	0.20	-0.6
65	2004	1.09	-0.58	0.23	-1.5	85	2004	1.10	0.81	0.19	1.5
66	2004	1.12	0.33	0.35	0.5	86	2004	0.32	2.81	0.20	-0.8
67	2004	1.21	0.10	0.26	-0.7	87	2004	0.95	1.37	0.19	-0.1
68	2004	1.28	-0.24	0.20	-0.3	88	2004	0.77	-0.23	0.20	-0.6
69	2004	1.01	0.07	0.19	0.4	89	2004	0.72	0.65	0.19	-0.5

2004 Pre-Equated N=526 M1=38.1156 M2=519.2253 Critical Z=1.40
2005 Pre-Equated N=490 M1=36.9687 M2=524.4168 Critical Z=1.31

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Table 102. Item Parameter and Fit Summary, Constructed-Response Items, Grade 4 Writing (Spanish)

Item	Part	Source Year	f	g1	g2	g3	g4	Fit-Z
1		2005	0.44	-3.42				-1.7
2	A	2002	1.40	-2.79				-0.9
2	B	2002	1.11	-0.58				-0.2
2	C	2002	0.85	-1.11				-0.1
2	D	2002	0.54	-0.75				-0.1
2	E	2002	1.21	-0.81				0.2
2	F	2002	1.25	0.74				-0.5
3	A	2005	0.66	-0.06	-1.80	-0.33	2.52	1.6
3	B	2005	1.09	-3.73	-2.60	-0.00	3.15	-1.2
3	C	2005	1.14	-4.33	1.14			1.0
25		2005	0.57	0.21	-1.43	0.08	1.90	1.2
63		2007	0.72	-1.65	-1.25	0.99	2.18	-2.6
90		2005	0.46	0.35	-2.18	-0.20	1.00	-1.1

2002 Pre-Equated N=1001 M1=39.9142 M2=522.7280 Critical Z=2.67
2005 Pre-Equated N=490 M1=36.9687 M2=524.4168 Critical Z=1.31
2007 Pre-Equated N=264 M1=33.0014 M2=508.4550 Critical Z=0.70

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Table 103. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 4 Mathematics

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.59284	-2.8939	0.2000	7.87	34	0.31233	-2.9786	0.2000	12.11
2	0.89269	0.4696	0.3088	12.30	36	0.96630	-1.6694	0.1559	0.86
3	0.95095	-0.3799	0.2588	9.48	38	1.09739	-0.4570	0.0785	4.79
4	1.14004	-0.0414	0.1285	11.64	39	1.22362	0.7979	0.1912	42.58
6	0.58215	-0.2540	0.2820	4.78	40	0.46049	-1.3418	0.1245	1.37
7	0.57986	-3.1543	0.2000	3.03	42	0.57576	-3.3382	0.2000	3.45
8	0.99947	-0.4285	0.2860	3.63	43	0.49826	-0.6912	0.2000	14.35
9	0.99258	-0.5659	0.1923	1.17	44	0.99387	-1.3854	0.1871	2.53
11	0.85388	-1.0193	0.2271	6.66	45	0.50746	-2.2099	0.1613	1.47
12	0.74800	-1.2156	0.1868	7.84	47	1.05379	-0.3696	0.1198	8.03
13	0.20148	-2.7865	0.2000	16.79	48	0.53891	-2.4238	0.2000	5.62
14	1.13220	-0.4339	0.1487	6.07	49	1.06063	-1.1797	0.1517	1.80
16	0.98407	-0.4070	0.3469	2.20	50	0.73720	0.0269	0.1372	2.68
17	0.71361	-0.6369	0.0992	7.62	51	0.58981	-2.4584	0.2000	3.14
19	0.84588	-2.0181	0.1795	2.63	53	0.92859	-0.1370	0.1608	2.29
20	0.94607	-0.2615	0.2126	9.27	54	0.85986	-1.1696	0.2666	3.11
21	0.66416	-1.3100	0.0947	3.00	55	0.79951	-1.4017	0.2088	1.44
22	0.69467	-2.5626	0.2000	13.36	57	0.66973	-2.3479	0.1327	1.52
24	0.78618	-0.8102	0.0706	2.24	58	1.04054	-1.4315	0.2328	5.94
25	0.91931	-0.6216	0.1760	81.35	59	0.68804	-0.8522	0.2112	1.23
26	0.69582	-2.7830	0.2000	21.51	61	0.77288	-0.7241	0.3492	1.42
28	0.93310	-0.8836	0.1678	3.32	62	0.69429	-0.9020	0.1112	2.68
29	0.76346	-0.7600	0.0979	5.68	64	1.16415	-0.7235	0.0881	5.32
30	0.50136	-2.7157	0.2000	7.78	65	0.81542	-0.5812	0.1810	-0.03
31	0.74381	-1.6381	0.1760	11.63	66	0.63494	-2.1754	0.2960	5.98
32	1.04048	-1.1053	0.1417	0.30	67	1.02480	-0.9174	0.1979	5.97
33	0.43959	-2.4060	0.2000	1.66	68	1.28267	-0.6038	0.2860	3.44

N=55651 M1=63.9105 M2=510.1578 Critical Z=148.40

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Table 104. Item Parameter and Fit Summary, Constructed-Response Items, Grade 4 Mathematics

Item	Part	f	g1	g2	g3	g4	Fit-Z
5		0.77614	0.1737	-0.3009			54.31
10		0.63770	-2.3666	-1.9873	-1.5985		14.33
15		1.07428	-1.3341	-0.1768			206.85
18		0.74384	-1.9981	-1.0673	-0.2449		7.68
23		0.96883	-2.9006	-0.0970	0.2350	1.0434	29.13
27		0.63714	-1.5995	-0.8796			59.63
35		1.09241	-0.5558	0.2189	2.2601		57.80
37		1.33639	-1.8373	-2.2535			62.87
41		0.58943	-1.3736	-0.6456	-1.9766		40.52
46		0.48617	-0.4451	-0.7510	0.5181	-2.1737	83.13
52		0.65411	-2.0328	1.0651			25.35
56		0.75152	-1.3754	-0.7885	-0.1144		4.00
60		1.00767	-1.0207	-1.7776			6.82
63		0.66101	-0.8530	0.0297	-0.0906		37.57
69		0.78485	-1.4585	-1.0097	-0.2939	0.3686	33.35

N=55651 M1=63.9105 M2=510.1578 Critical Z=148.40

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Table 105. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 5 Reading

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
4	0.57598	0.0134	0.1818	68.44	41	0.95925	-0.3216	0.0857	18.46
5	0.59103	-0.5445	0.1818	113.65	42	0.46751	0.8348	0.1449	21.35
6	0.94803	-1.5082	0.3251	36.16	44	0.30566	1.2583	0.0738	9.37
7	1.02728	-0.0921	0.2234	8.44	45	0.67080	-1.0609	0.1408	8.48
9	0.56501	0.0151	0.1952	3.55	46	0.80361	-0.9148	0.1938	1.67
10	0.84023	0.7592	0.3576	52.17	47	1.13007	-1.1661	0.1971	2.93
11	0.41481	1.1591	0.3584	4.60	48	0.53930	0.1447	0.1735	6.63
12	0.39835	-0.8727	0.2000	29.04	49	0.78338	0.2632	0.1739	9.00
13	0.39877	0.1650	0.1818	7.12	50	0.98482	0.3829	0.3457	7.91
15	0.63263	-1.1676	0.2000	35.18	52	1.01254	0.6088	0.1581	13.25
16	1.02381	-1.4425	0.1834	10.90	53	1.08834	0.3540	0.3046	10.92
17	0.78095	-1.1631	0.1102	33.54	54	0.79540	-0.7871	0.0932	24.93
18	0.76081	-0.1096	0.2714	11.08	99	1.02063	-2.1662	0.0864	20.80
19	0.79123	-1.1062	0.2000	7.22	100	0.18151	2.3217	0.2000	15.86
20	0.85469	-1.3245	0.2000	11.22	101	0.38363	-2.0540	0.0000	26.25
21	0.83795	-0.4137	0.1762	10.24	102	0.55162	-1.0231	0.1818	31.50
23	1.21389	-1.0197	0.2569	4.10	103	0.87947	-0.5174	0.3216	9.75
25	1.19079	-1.7501	0.2090	6.39	104	0.57795	-0.6252	0.1879	6.63
26	1.18726	-0.8454	0.2690	3.60	105	0.74487	0.9796	0.1926	5.04
30	0.63944	-1.0316	0.2000	6.49	106	0.43559	-1.0623	0.2000	13.13
32	1.42841	0.3644	0.2717	23.30	107	0.65630	-2.2519	0.2000	41.91
33	0.60671	0.1311	0.2604	2.79	108	0.54635	-1.1348	0.2000	89.80
34	0.65785	-1.4222	0.2000	9.86	109	0.72645	-1.6708	0.0716	2.38
35	0.49309	-1.2087	0.2000	1.88	110	0.52482	-0.8286	0.2000	19.35
37	1.16150	-1.3981	0.0954	0.96	111	0.70467	-1.5923	0.0874	11.46
38	0.77602	-1.3369	0.2000	8.48	112	0.68426	-0.5544	0.2000	16.30
39	0.47945	-1.5885	0.2000	27.09	114	0.54401	-1.6605	0.2000	1.14
40	0.88887	-1.2504	0.2000	38.72	115	0.73928	-1.6563	0.1360	4.73

N=60152 M1=56.0459 M2=623.3600 Critical Z=160.41

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Table 106. Item Parameter and Fit Summary, Constructed-Response Items, Grade 5 Reading

Item	Part	f	g1	g2	g3	g4	Fit-Z
8		1.00310	-0.6264	0.5460	1.5744		52.84
14		0.96550	-0.8769	1.1887			19.91
22		0.97619	-0.8994	1.4032			5.76
24		0.63340	-1.5430	-0.3403	0.1549		24.03
27		0.72119	-0.5787	0.0037	0.2392		256.93
28		0.99808	-0.8314	-0.4969			14.53
29		0.96223	0.6949	-1.3713			115.82
31		0.39569	1.2000	-1.3525	-0.1706		45.95
36		1.05310	-0.8081	0.4394	1.4635		77.41
43		0.38247	-0.1674	2.1756	-0.2264		67.75
51		0.75230	0.2563	-0.2843	-0.4988		18.01
97		1.11074	0.3063	-2.1409			40.12
98		0.91287	-1.2424	-0.6432			70.56
113		0.84838	-0.9768	2.1691			69.72

N=60152 M1=56.0459 M2=623.3600 Critical Z=160.41

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Table 107. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 5 Writing

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
55	0.15731	1.1729	0.2000	3.58	76	0.52128	-2.8057	0.2000	8.94
56	0.93550	-1.2401	0.3715	13.21	77	0.71061	-1.6854	0.0665	39.41
57	0.66321	0.3352	0.1748	2.94	78	1.14376	-0.9971	0.2104	15.55
58	1.19120	-1.8920	0.2967	11.10	79	0.68902	-0.6147	0.2000	32.85
59	0.92872	-1.4926	0.2633	4.14	80	1.07356	-1.5829	0.3066	2.91
60	0.55824	-1.5305	0.0985	1.12	81	0.86315	-0.0077	0.3191	13.06
61	1.18287	-1.7338	0.2305	5.68	82	1.00287	-0.5832	0.1793	10.30
62	0.75922	-1.7911	0.0710	9.59	83	1.04935	-0.9479	0.1672	17.34
63	0.73242	-1.7664	0.2000	3.36	84	0.88115	-0.3079	0.2563	4.98
64	1.10002	-1.3008	0.2488	9.71	85	1.04427	-1.7473	0.1137	1.71
66	0.64635	-0.9356	0.0581	25.52	86	0.87478	-0.6665	0.1850	5.30
67	0.75863	-1.2391	0.2000	16.81	87	1.13413	-0.7783	0.2710	11.74
68	0.85053	-1.5468	0.2000	5.02	88	0.43723	-2.3862	0.2000	30.37
69	0.91380	-0.8435	0.2179	3.81	89	0.53862	-0.7190	0.0547	41.39
70	0.97252	-1.6302	0.2191	2.79	90	0.35934	-0.0538	0.1135	20.52
71	0.75465	-1.1941	0.1211	13.30	91	0.79353	0.6729	0.2806	22.47
72	0.51975	0.3401	0.2000	16.46	92	0.40921	0.6463	0.1128	5.87
73	0.70119	-1.6350	0.1810	42.07	93	0.70011	-1.6405	0.0664	67.75
74	0.47718	0.5610	0.1327	0.33	94	1.19095	-1.1290	0.2109	9.99
75	0.71003	-1.0452	0.1118	14.12	95	1.28201	-1.2742	0.2743	21.31

N=59922 M1=48.8958 M2=512.7871 Critical Z=159.79

Table 108. Item Parameter and Fit Summary, Constructed-Response Items, Grade 5 Writing

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		0.92511	-5.0917				7.53
2	A	0.94601	-1.5705				4.81
2	B	1.05857	-2.7223				10.01
2	C	1.38767	-3.6455				16.64
2	D	1.12095	-0.2110				7.23
2	E	1.08111	0.4271				10.84
2	F	1.31043	-1.1848				3.11
3	A	1.14615	-2.2276	-3.3839	-0.3189	1.5944	1173.70
3	B	1.40875	-5.7935	-3.2241	-0.1385	1.7701	85.30
3	C	1.70222	-5.5217	-3.0607			16.35
65		0.79137	-2.4704	-2.9171	-0.6605	1.4719	116.88
96		0.82548	-1.4593	-2.7147	-0.6532	1.6857	281.74
116		1.03201	-3.3658	-3.5300	-0.3292	3.2586	46.16

N=59922 M1=48.8958 M2=512.7871 Critical Z=159.79

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Table 109. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 5 Mathematics

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.52738	-2.2491	0.2000	69.50	36	0.64029	-1.3257	0.2000	5.47
2	1.41812	0.7708	0.2156	8.57	37	0.92033	0.2444	0.2234	11.19
4	1.22898	-0.0467	0.1490	11.80	38	1.14451	-0.7101	0.2096	0.34
5	0.84814	-1.8955	0.2000	30.50	39	0.97133	-2.6343	0.2000	18.91
6	1.34084	-1.2591	0.2798	3.19	40	0.83212	-0.9948	0.1066	0.65
8	1.18016	0.9588	0.2033	5.09	42	0.45282	-0.7178	0.1261	10.43
9	0.92232	-1.3013	0.2648	1.09	43	1.00528	-0.1233	0.1056	2.78
10	0.83536	-0.2632	0.1352	15.61	44	1.03274	-1.4288	0.1871	1.09
11	1.03166	-1.2932	0.3545	2.82	45	0.98678	-0.4418	0.0623	61.57
12	0.89211	-0.8679	0.1657	2.18	47	1.00113	-0.9662	0.2394	-0.34
13	0.93826	-0.8230	0.0984	10.65	48	0.69031	-1.8722	0.2000	-0.25
14	0.72217	-2.0918	0.2550	8.32	49	0.77509	-0.6507	0.0978	5.55
16	0.47462	-0.1791	0.0895	0.00	51	0.76727	-0.1378	0.1441	1.86
18	0.58595	-2.4357	0.2000	37.98	52	0.53705	-2.8166	0.2000	3.23
19	0.86870	0.6716	0.0889	6.49	53	1.42445	1.2157	0.1821	74.85
20	0.83655	-1.4618	0.1336	2.51	54	1.26508	1.9005	0.4742	1.59
21	0.68432	-1.7159	0.0965	1.22	56	0.92616	-0.2896	0.1791	21.39
22	1.30866	-1.8555	0.3032	8.74	57	0.70130	0.7631	0.2346	4.03
24	0.96495	-0.2650	0.2737	7.56	58	1.07481	-0.3635	0.2109	2.70
25	0.51534	0.3011	0.1383	5.80	59	0.74614	-1.1850	0.1270	4.76
26	1.10133	-1.1108	0.1039	9.40	61	0.97097	-0.7398	0.0728	27.70
27	1.17529	0.3498	0.2250	4.87	62	0.74414	-0.6722	0.2572	9.07
29	0.64780	-0.5737	0.1788	1.16	63	0.58561	-2.2981	0.2000	34.53
30	0.42897	1.3351	0.0587	6.66	65	0.73244	-1.1920	0.2000	2.42
32	1.02141	-0.4113	0.1986	3.02	66	0.62653	0.2817	0.1958	0.98
33	0.51641	-2.5245	0.2000	5.69	67	1.15413	1.8491	0.3355	15.01
35	0.50909	-1.2790	0.2014	5.05	68	0.90566	-0.5082	0.1563	9.81

N=55967 M1=66.4352 M2=533.3386 Critical Z=149.25

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Table 110. Item Parameter and Fit Summary, Constructed-Response Items, Grade 5 Mathematics

Item	Part	f	g1	g2	g3	g4	Fit-Z
3		0.66232	0.0572	-0.8295			65.44
7		0.71327	-4.5975	1.3645	-0.0173		69.78
15		1.02672	-1.3218	-1.4859			31.60
17		0.86974	-2.5133	-1.0989	0.0047		87.54
23		0.43747	-0.3345	-0.8775	0.8285	-2.5731	105.33
28		1.17213	-0.8292	-1.1420			7.38
31		0.53249	-0.7719	-0.7018	-0.9472		28.56
34		0.86546	-0.9162	0.4900			27.96
41		0.66507	-0.9694	0.1091	-0.2139		55.06
46		0.67142	0.7856	-0.5662	-0.4085	0.9295	50.99
50		1.15876	0.5942	-0.6206			19.90
55		0.73978	-1.7613	-1.1743	-0.5244		6.19
60		1.04062	-0.6637	0.2586			87.71
64		0.86618	-1.8296	-0.7864	0.4369		12.03
69		0.84644	-2.9013	-1.1113	-0.9610	1.6510	123.14

N=55967 M1=66.4352 M2=533.3386 Critical Z=149.25

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Table 111. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 5 Science

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.47357	-2.1075	0.2000	15.95	39	0.87899	-1.0123	0.3490	6.05
2	0.24335	-4.4836	0.2000	29.60	40	0.60903	-0.9957	0.2000	7.92
3	0.43238	-1.8259	0.2000	12.81	42	0.70577	-1.2327	0.2000	4.55
4	0.77142	0.0076	0.4383	9.04	43	0.56112	-0.3181	0.0600	4.45
5	0.85828	0.5546	0.2263	4.80	44	0.71865	-0.8557	0.1202	0.63
7	0.74008	0.1588	0.2883	10.29	46	0.82724	-0.4910	0.1522	1.28
8	0.66425	0.4967	0.2629	3.23	47	1.26703	-0.8046	0.2400	5.31
9	0.42200	-1.7678	0.2000	32.58	49	1.13590	-0.0307	0.2772	5.28
10	0.66888	-0.5980	0.0431	22.22	50	0.46157	-0.6633	0.2000	35.47
11	1.08199	-1.2197	0.1547	3.55	51	0.57639	-1.5301	0.2000	14.87
12	0.57584	-0.0823	0.4945	4.39	52	0.75930	-1.4269	0.1435	4.05
13	1.12641	1.0129	0.0987	119.65	53	0.92146	-1.5583	0.2318	4.74
14	0.47836	-0.9983	0.2000	6.12	55	0.92520	0.3363	0.3098	4.79
15	0.60999	-0.2379	0.1848	4.01	56	0.70568	1.8653	0.1334	5.61
16	1.01042	-0.8520	0.1955	1.84	58	0.61948	0.3587	0.2881	15.99
17	0.72452	-2.5301	0.2000	31.52	59	0.39410	1.5187	0.1878	0.04
18	0.95324	0.4108	0.1118	8.95	60	1.17915	0.7088	0.2473	8.15
19	0.60315	-0.6759	0.2604	7.75	62	0.61316	-0.7716	0.0601	0.74
20	0.81313	0.6280	0.3125	8.27	63	0.76388	-1.4850	0.3220	7.96
26	1.51923	2.2281	0.2000	505.91	64	0.81182	-0.1595	0.1633	6.44
27	0.40563	-1.6562	0.2000	2.60	65	0.53395	-0.4480	0.1178	2.63
28	0.68093	0.1382	0.3271	11.75	66	0.71658	-0.5439	0.2086	28.83
29	0.38942	-0.3208	0.0938	1.09	67	1.13556	0.6607	0.2617	15.01
30	0.48005	-0.3023	0.0679	1.59	69	1.07282	1.4282	0.2008	9.81
32	0.66370	0.2833	0.1922	6.08	70	0.52666	-0.3633	0.2662	7.02
33	0.61056	-2.3640	0.2000	13.12	71	1.02811	-0.4368	0.3960	13.93
35	0.62670	1.0016	0.1553	5.96	72	0.52884	-0.6735	0.2000	36.24
36	1.07064	1.5577	0.1296	31.46	74	0.55219	0.0855	0.2050	40.31
38	0.60621	-1.1885	0.2000	4.00	39	0.87899	-1.0123	0.3490	6.05

N=56064 M1=57.5293 M2=509.2952 Critical Z=149.50

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Table 112. Item Parameter and Fit Summary, Constructed-Response Items, Grade 5 Science

Item	Part	f	g1	g2	g3	g4	Fit-Z
6		0.60006	0.2055	1.3197			8.27
21		1.21880	0.5051				53.88
22		1.17449	-0.8706				9.76
23		0.60296	-0.5215	0.7875			72.47
24		0.95143	-0.1284				0.44
25		0.52759	-0.0844	-1.2459			19.62
31		0.98880	0.7766	1.7621			57.23
34		0.94221	-0.5759				23.37
37		0.87490	0.3738	0.6333			80.15
41		0.69677	-0.6102	0.5028			58.44
45		0.85021	-0.7607	0.8456			32.65
48		1.21129	-1.2546	3.2936			25.52
54		0.77247	-0.9598	-0.9558			32.69
57		0.73128	-2.7600	-0.6888			9.24
61		0.89265	-0.7901				0.89
68		0.73491	-0.3509	0.3117			29.29
73		0.56023	-0.5614	1.8604			248.03
75		0.65720	0.2376	1.4441			3.75

N=56064 M1=57.5293 M2=509.2952 Critical Z=149.50

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Table 113. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 6 Reading

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
4	0.54913	-2.8924	0.2000	27.25	42	0.56084	-1.3622	0.3164	8.97
5	0.67516	-2.3535	0.1318	7.52	43	0.87188	-1.7270	0.0650	58.80
6	0.61095	-2.2164	0.1136	30.01	44	0.94140	-1.3886	0.1914	1.32
7	0.80956	0.0971	0.3760	12.98	46	0.86683	-0.5156	0.3797	6.42
9	0.72314	1.4234	0.1207	12.76	47	0.93080	0.1701	0.3054	4.15
10	0.41237	-0.4300	0.2000	5.22	48	0.68544	0.2445	0.2122	7.13
13	1.32823	0.2498	0.1895	18.12	49	0.57972	-1.2204	0.1828	47.47
14	0.81554	0.9681	0.2617	18.29	50	0.81024	0.1379	0.1790	11.88
15	0.87774	-1.0351	0.2435	12.91	51	0.96710	0.2914	0.2638	6.97
16	0.80385	1.0086	0.1146	32.47	52	0.97084	-0.1507	0.2110	38.01
19	1.13109	0.5205	0.2563	22.29	54	0.87465	-0.0010	0.3425	6.78
20	0.89336	0.0014	0.1864	4.60	55	1.40160	-0.3916	0.2585	7.57
21	0.88777	-0.7579	0.1746	8.13	56	1.19855	-0.2855	0.1960	19.29
22	0.65202	-1.3492	0.1828	35.36	100	0.79535	0.6687	0.2328	6.11
23	0.82956	-2.0652	0.0886	7.30	101	0.60632	-0.1984	0.1828	42.89
25	1.03245	-0.7780	0.2494	13.83	102	0.91952	-0.9910	0.2133	1.13
26	0.71778	-1.0179	0.1688	11.30	103	0.81794	-1.8704	0.1500	5.50
27	0.75294	-1.0353	0.2823	-0.71	104	0.26451	-0.5993	0.2000	2.54
28	0.64036	-0.1611	0.0842	36.94	105	0.64883	-1.3301	0.0673	5.57
30	1.21125	-0.2062	0.0965	11.93	106	0.67870	0.9159	0.2804	2.62
31	0.89834	-1.6074	0.2240	4.77	107	0.70664	-0.0372	0.1982	1.09
33	0.52358	-1.6010	0.2000	2.67	109	0.79247	-0.4739	0.1791	9.41
35	1.32878	0.0793	0.2826	13.38	110	1.05554	-2.1766	0.1516	12.49
36	0.60354	-0.4421	0.2209	4.67	111	0.66179	-1.6928	0.1828	60.83
37	0.80299	-1.6381	0.2000	10.69	113	0.82580	-1.6546	0.2099	10.93
38	0.47772	-1.2834	0.2000	4.91	114	1.32246	-1.6966	0.1689	18.18
40	1.31809	-1.6615	0.0939	3.99	115	1.12487	-2.0335	0.0783	15.49
41	0.79935	-1.8202	0.1349	14.09					

N=57526 M1=55.2051 M2=635.6268 Critical Z=153.40

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Table 114. Item Parameter and Fit Summary, Constructed-Response Items, Grade 6 Reading

Item	Part	f	g1	g2	g3	g4	Fit-Z
8		0.65520	0.4191	1.3232			78.13
11		0.50907	-0.2875	-1.2933	-0.6534		8.27
12		0.74515	0.2640	0.6251			10.76
17		0.50717	0.0582	-0.2264	0.3514		48.87
18		0.60710	0.9345	-2.1702	-0.3699		153.27
24		1.05772	-1.3743	0.5513			29.41
29		0.96274	-0.0027	0.0539			7.70
32		0.91913	0.5407	-1.7252			116.19
34		0.35414	1.3087	-1.3662	-0.4608		32.05
39		0.93300	-0.9484	0.1959	1.1552		61.34
45		0.70267	0.1004	0.3179			56.48
53		0.89254	0.1326	2.0373	1.9187		105.28
99		0.91864	-1.0565	0.4560			34.98
112		0.78925	-1.7369	0.1375	3.5489		23.66

N=57526 M1=55.2051 M2=635.6268 Critical Z=153.40

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Table 115. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 6 Writing

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
57	0.43844	-2.7800	0.2000	8.82	77	0.30481	0.5582	0.2000	15.65
58	0.79560	-1.7458	0.1916	1.00	78	0.54126	-0.2101	0.2000	5.11
59	0.85392	-1.4760	0.2000	2.35	79	1.05153	-0.9090	0.2079	6.17
60	1.21335	-0.4205	0.1511	9.77	81	0.49387	-0.0011	0.0858	2.95
61	0.52427	-1.3601	0.2000	51.49	82	0.81860	-0.6813	0.0918	9.03
62	0.84219	-1.6753	0.2000	2.23	83	0.91745	-0.8977	0.1229	12.93
63	1.06363	-1.7144	0.1778	6.32	84	0.53445	-0.0164	0.2000	44.67
64	0.60618	0.3082	0.2431	3.72	85	1.04596	-1.0587	0.2171	3.97
65	1.14419	-1.3690	0.2367	8.25	86	0.61311	-0.6635	0.0835	20.95
66	0.75227	-1.7460	0.2000	2.09	87	1.15495	-0.9817	0.2264	8.79
67	1.03874	-1.3207	0.1526	4.64	88	1.33611	-0.8328	0.2527	34.09
68	0.76373	-0.6286	0.1769	6.00	89	0.46405	-0.1972	0.0839	18.03
69	1.21729	-1.1262	0.2105	4.27	90	0.58184	0.6198	0.2171	39.21
70	0.61483	-0.7028	0.2000	50.17	91	0.62403	-0.0031	0.1358	5.79
71	1.11092	-0.5945	0.2641	6.85	92	1.16022	-0.6503	0.2151	19.17
72	0.89009	-0.5632	0.3809	16.32	93	0.70410	-0.6478	0.1243	9.70
73	0.87777	1.7915	0.3219	5.81	94	1.23588	-0.7914	0.2222	26.51
74	0.88263	-0.6747	0.1747	9.83	95	0.83613	-1.0771	0.1242	6.04
75	0.61815	0.5576	0.1247	5.07	96	0.68275	-0.0813	0.1755	12.70
76	0.59594	0.1846	0.1837	2.32	97	1.14380	-0.4995	0.2429	16.69

N=57375 M1=54.4834 M2=529.7433 Critical Z=153.00

Table 116. Item Parameter and Fit Summary, Constructed-Response Items, Grade 6 Writing

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		0.98750	-5.3385				0.86
2	A	0.84457	-1.1454				4.64
2	B	1.11140	-0.7255				6.67
2	C	1.04590	-3.7149				1.79
2	D	1.09540	-1.4868				14.56
2	E	0.74855	0.2841				17.63
2	F	1.24287	-2.3547				30.74
3	A	1.37930	-4.2104	-3.9062	-0.3811	2.1363	169.18
3	B	1.39924	-5.4148	-3.2802	-0.2187	2.0718	68.68
3	C	1.56754	-5.2490	-3.1986			17.57
80		0.85970	-2.5613	-2.9589	-0.3436	2.0467	76.53
98		0.85705	-1.3244	-2.8837	-0.6369	1.8878	362.90
116		1.03791	-3.5236	-2.8710	-0.5474	1.6083	50.67

N=57375 M1=54.4834 M2=529.7433 Critical Z=153.00

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Table 117. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 6 Mathematics

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.79640	-0.4928	0.1386	4.73	32	0.90075	1.1476	0.1171	22.90
2	0.73496	-2.3720	0.1636	11.83	34	1.19278	0.7908	0.1741	15.93
3	1.15974	0.1471	0.2744	10.51	35	0.46268	-1.2594	0.1636	19.88
5	0.69472	-1.6473	0.2000	36.43	36	0.73361	-0.5120	0.1696	4.19
7	0.48323	-0.7047	0.1276	2.41	37	0.74804	-1.1568	0.3155	5.83
8	0.79382	-0.3112	0.4992	16.58	38	1.28493	-0.4373	0.3316	2.73
9	0.64621	-0.3830	0.2640	0.46	39	0.68937	-1.0258	0.1636	40.47
11	0.73878	0.2789	0.1921	20.38	41	0.59204	0.1904	0.2200	4.02
12	1.14461	0.8394	0.1708	20.16	42	0.69295	-0.3957	0.0618	24.97
13	0.71252	-0.2222	0.0563	4.09	43	0.72228	-0.4254	0.1325	0.67
14	0.54451	-0.3813	0.1636	25.68	45	1.25908	-0.1942	0.0581	20.28
16	1.26413	0.5422	0.2147	6.25	46	0.85553	-0.8513	0.0651	11.13
17	0.72061	-1.6320	0.1525	2.86	48	0.57577	-0.1099	0.1230	3.93
18	1.52117	-0.2349	0.2194	5.40	49	0.67685	0.2978	0.1845	2.93
19	0.88061	-1.3212	0.0623	15.48	50	0.91196	-0.0279	0.0826	0.31
21	0.51261	-0.7222	0.1636	32.63	51	0.88317	-0.6793	0.1647	16.95
22	1.45579	-0.3940	0.4959	5.23	52	1.05166	0.1395	0.1824	4.95
24	0.74184	-1.3867	0.4143	10.95	54	1.17244	1.1817	0.1412	52.42
26	0.75255	-1.9057	0.1636	22.29	55	1.25977	0.2410	0.1225	21.90
27	0.79567	-0.5676	0.1060	23.06	56	0.65150	-1.7012	0.1409	-0.29
28	0.66858	0.6832	0.2514	0.99	57	0.56825	0.5039	0.1898	3.15
29	1.18561	-0.6135	0.1003	3.12	59	0.87176	0.6920	0.4211	2.77
31	0.44691	-1.5511	0.0768	2.06					

N=56727 M1=62.9527 M2=558.0731 Critical Z=151.27

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Table 118. Item Parameter and Fit Summary, Constructed-Response Items, Grade 6 Mathematics

Item	Part	f	g1	g2	g3	g4	Fit-Z
4		0.78346	-3.9332	-1.5736			12.00
6		0.74825	-5.1363	1.1693	-0.6992		79.83
10		0.82677	-1.5392	0.8651			150.35
15		1.11008	-1.1777	-0.5554	1.4546		226.77
20		0.76353	-1.5687	-0.6759	0.2079	1.3341	8.96
23		0.90702	-1.4911	0.0994			100.25
25		1.35521	-0.3458	1.2815	2.2007		20.06
30		0.90202	-0.5792	-1.7815			34.66
33		0.51165	-1.0170	-0.8151	-1.2502		42.07
40		0.80329	-1.5736	0.8945	1.5303	0.6692	366.81
44		0.81095	-2.6555	-0.1108			33.95
47		0.80694	-0.6128	-0.6153	-0.2181		46.03
53		1.00258	0.4872	0.6497			58.87
58		0.49788	-1.4868	-1.1646	-0.0326		25.70
60		1.31859	-1.7627	-0.6057	1.7790	0.2276	137.81

N=56727 M1=62.9527 M2=558.0731 Critical Z=151.27

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Table 119. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 7 Reading

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
6	0.78625	0.7237	0.2754	6.89	40	0.75784	-1.7590	0.1349	3.00
7	1.09723	0.4996	0.1723	20.79	42	0.46383	-0.6191	0.0798	18.76
8	1.24115	-0.0665	0.1770	10.97	43	0.92330	-0.8995	0.3189	6.46
9	0.81502	-1.4419	0.2785	9.45	44	0.87789	-1.4807	0.2000	-0.32
10	0.82186	-1.4665	0.2376	3.08	45	1.01539	-0.7298	0.2269	4.37
11	0.72271	0.8242	0.1084	26.69	46	0.82768	-1.6810	0.1107	2.24
14	0.45717	-1.3141	0.2000	1.36	48	1.18074	0.3931	0.3588	5.85
15	0.95458	-1.1127	0.2557	8.85	49	1.22742	1.2080	0.2782	46.64
16	1.19823	-1.8004	0.1808	3.24	50	1.45533	0.7258	0.1622	33.80
17	1.03116	-1.7313	0.1894	6.36	51	1.29026	-0.8142	0.2267	6.86
20	1.24219	-0.5791	0.2918	6.11	52	1.03970	0.5446	0.2359	18.56
21	0.41607	0.0633	0.2000	41.04	53	0.52862	0.7024	0.2490	3.45
22	0.50780	-0.9794	0.0673	9.79	96	1.40612	-0.3819	0.2168	9.20
23	0.14791	1.5082	0.2000	13.26	100	1.16905	-0.9035	0.1669	7.18
25	0.86264	1.2654	0.1710	11.83	101	0.80906	-1.7440	0.0817	17.45
26	0.88049	-1.1776	0.1799	18.52	102	1.17942	-1.0632	0.2149	3.33
27	0.39769	-0.3114	0.0705	10.64	103	0.68003	0.2605	0.1147	6.19
28	0.59310	0.2489	0.2257	2.32	104	1.44224	-1.8040	0.1622	12.32
29	0.68827	-1.1625	0.2685	13.21	105	0.52643	-1.4313	0.0902	1.39
30	0.42944	-2.3905	0.1432	12.28	106	0.62319	-1.9222	0.1034	14.93
31	0.74582	-0.0742	0.2093	10.49	107	0.91307	-0.3276	0.2653	8.22
32	0.65461	-0.5363	0.0925	0.86	108	0.31365	0.1872	0.2000	55.74
33	0.90620	-0.1570	0.2906	7.86	109	0.83447	-1.3311	0.0366	3.23
34	0.60973	-1.4962	0.0698	13.66	110	0.92687	-0.4931	0.1843	25.21
36	0.51000	-1.1437	0.2000	27.44	111	0.73296	-0.0048	0.1590	13.67
37	1.15260	-1.0192	0.2432	7.05	112	0.60693	-1.7371	0.0833	1.62
38	0.90340	-1.2838	0.1427	7.47	114	0.58881	0.5802	0.2410	9.13
39	0.98877	-0.6312	0.2566	1.57	115	0.76073	-1.4539	0.1769	83.02

N=56426 M1=56.4483 M2=646.8577 Critical Z=150.47

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Table 120. Item Parameter and Fit Summary, Constructed-Response Items, Grade 7 Reading

Item	Part	f	g1	g2	g3	g4	Fit-Z
4		0.51084	-0.3458	-1.3026	-0.8321		5.12
5		0.71563	0.0085	0.4853			12.57
12		0.77268	-0.6802	-0.7959	-0.5193		24.86
13		0.53060	-1.2455	-0.7757			139.20
18		0.71795	-0.7993	-0.6924			46.91
19		0.83176	-0.8109	-1.4855	1.3583		24.46
24		0.84294	-2.4651	0.3634	1.1243	1.8671	69.83
35		0.62972	-0.6172	1.6376	1.5991		63.34
41		0.66870	0.2267	1.6918			5.36
47		0.99571	-0.2832	-1.2483			96.75
97		1.10598	-1.5074	0.4271			40.21
98		0.90658	-1.0096	1.4314			34.23
99		0.65663	-0.2277	0.4630	-0.4953		151.38
113		1.53394	-0.9363	0.7794			12.01

N=56426 M1=56.4483 M2=646.8577 Critical Z=150.47

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Table 121. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 7 Writing

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
54	0.58517	-1.2399	0.2000	6.62	75	0.86060	-0.8645	0.2947	8.06
55	0.90737	0.2932	0.1231	4.79	76	1.11698	1.5471	0.2201	24.90
56	1.18662	-2.1248	0.2000	6.67	77	0.37817	-0.9350	0.2000	5.89
57	0.67264	-1.3318	0.1021	5.71	78	0.69970	0.1076	0.2502	6.23
58	0.72586	-1.5055	0.0885	6.36	79	0.91621	0.6735	0.2554	7.60
59	0.94293	-1.0085	0.2269	6.39	80	0.71638	1.1823	0.3047	7.81
60	1.03838	-0.3510	0.2334	3.39	81	0.81225	1.3713	0.2011	22.85
61	0.93929	-0.9504	0.2605	5.80	82	0.69875	-0.2138	0.1924	2.05
62	0.75358	-1.6171	0.2000	3.20	83	0.87679	1.7590	0.1756	88.27
63	0.75919	-0.9098	0.2000	19.60	84	1.36422	-0.4006	0.2831	16.42
64	0.93378	-1.7429	0.0988	3.52	85	1.23118	-1.0689	0.2383	3.71
65	0.64597	-1.0836	0.0696	8.06	86	1.39103	-0.9336	0.1929	7.55
66	0.63435	0.2107	0.1012	4.30	87	0.73813	1.0481	0.1401	4.62
67	1.38561	-1.2936	0.2726	35.14	88	0.92790	-0.4802	0.1557	1.64
68	0.35181	-0.4911	0.2000	49.94	89	1.37879	-0.5177	0.2709	14.18
69	1.01693	-0.6994	0.1378	32.63	90	0.97837	-0.6555	0.1199	9.70
70	0.41226	0.2209	0.2000	37.07	91	1.36181	-1.3427	0.2984	7.50
71	1.13911	-0.6671	0.2870	5.12	92	1.06719	-0.7989	0.1388	5.93
73	0.59930	1.8038	0.4995	28.66	93	1.71749	-0.3423	0.1680	40.78
74	0.38615	-0.9262	0.1252	0.86	94	0.64150	0.4145	0.2102	48.25

N=56310 M1=60.9403 M2=554.4895 Critical Z=150.16

Table 122. Item Parameter and Fit Summary, Constructed-Response Items, Grade 7 Writing

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.17400	-5.7291				3.44
2	A	1.17627	-2.8405				13.42
2	B	1.06385	-2.1560				23.74
2	C	0.88831	0.2877				29.69
2	D	0.89315	1.7327				7.30
2	E	1.46765	-2.5087				13.51
2	F	0.78774	0.4677				128.42
3	A	1.16679	-2.5249	-3.1419	0.1327	2.0055	189.01
3	B	1.30249	-5.5464	-3.1884	0.1470	2.1631	60.56
3	C	1.56147	-6.2741	-3.0474			18.58
72		0.93309	-2.6522	-3.1235	-0.2913	2.1732	119.06
95		0.83715	-1.7854	-2.5239	0.1016	2.3016	199.63
116		0.88174	-2.5198	-2.7013	0.0787	2.3000	81.10

N=56310 M1=60.9403 M2=554.4895 Critical Z=150.16

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Table 123. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 7 Mathematics

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.56278	-0.3351	0.2107	1.60	32	0.72728	0.3283	0.0546	30.04
2	1.07033	-0.4420	0.1823	5.34	33	1.61397	-0.2256	0.4574	5.84
4	0.84838	-0.2726	0.1623	9.69	35	0.83134	0.4053	0.1116	7.81
5	0.99233	2.5347	0.2000	293.69	36	1.88235	1.0596	0.2191	166.85
6	0.78457	0.0366	0.1295	-0.33	37	1.04931	-0.9008	0.2136	3.58
8	0.66792	0.9831	0.2174	10.42	38	1.04718	0.0373	0.2117	5.71
9	1.13460	1.6595	0.1189	8.64	39	1.49435	0.7140	0.1147	29.49
10	0.75290	1.4451	0.2864	5.48	41	0.73718	0.8727	0.3791	19.42
11	0.98546	0.0447	0.1295	4.93	42	0.71358	-0.6597	0.1865	40.81
13	0.83163	-0.9843	0.1865	42.61	44	1.02453	0.1808	0.1812	3.55
14	0.49440	1.6683	0.2821	2.94	45	0.85820	0.1710	0.1792	-0.47
16	0.23116	-0.3753	0.2000	6.01	46	0.39016	-0.5541	0.2265	4.76
17	1.42191	0.5861	0.2492	54.35	48	0.65070	-1.6254	0.2000	5.67
18	0.58888	1.1911	0.0724	14.52	49	1.13628	-0.0096	0.2025	7.89
19	0.58902	-2.2720	0.2000	16.63	50	1.26074	0.3937	0.1742	72.88
21	0.68894	1.0855	0.2230	2.48	52	0.74300	0.8169	0.3064	1.60
22	0.49776	0.9615	0.2547	32.57	53	0.58066	0.5534	0.2132	3.56
24	1.26299	0.0110	0.2649	12.53	54	1.25954	-0.1718	0.0708	58.72
25	0.83217	0.8611	0.0872	9.81	55	0.82019	-0.2772	0.1415	11.24
27	1.12483	-0.8633	0.2779	4.68	57	0.64206	1.1999	0.0840	3.08
28	0.82835	1.6425	0.1762	3.63	58	0.99875	-0.2679	0.1329	5.97
29	0.69209	0.1150	0.1795	3.53	59	0.59539	0.9000	0.2416	-0.48
31	0.76281	-2.3620	0.2000	24.28					

N=56716 M1=60.5544 M2=569.3420 Critical Z=151.24

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Table 124. Item Parameter and Fit Summary, Constructed-Response Items, Grade 7 Mathematics

Item	Part	f	g1	g2	g3	g4	Fit-Z
3		0.11615	1.3712	0.9288			97.06
7		1.25541	-0.8727	-0.4666	0.2932		83.75
12		0.50964	0.9073	1.0731			1222.50
15		1.30277	-0.4841	0.3544	1.1337		15.51
20		0.95368	-0.5605	0.9732	1.6739	0.6385	110.32
23		1.09465	2.0514	-0.0527			47.37
26		1.02186	-1.1248	-1.5630	0.6969		166.01
30		1.18433	-0.6263	0.3928			113.35
34		1.18154	-0.9746	-0.2197	1.1590		120.58
40		1.02472	1.3529	0.3537	1.2854	0.0632	81.24
43		1.00569	-0.1919	0.4312			135.69
47		0.83991	-0.3512	-0.6152	-0.2983		51.41
51		0.98730	2.0811	0.3115			48.00
56		0.44734	-1.5385	-1.3267	-0.2614		34.21
60		0.60634	-0.5515	0.0406	0.6855	2.5374	93.47

N=56716 M1=60.5544 M2=569.3420 Critical Z=151.24

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Table 125. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 8 Reading

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
4	0.31065	-2.5302	0.2000	16.63	38	0.99402	-0.1751	0.2050	2.84
5	0.75753	-1.7994	0.2000	3.81	41	1.18820	-1.5786	0.3521	3.14
7	0.66497	-0.7280	0.1184	5.06	42	0.32683	0.8608	0.0751	3.87
8	0.55587	-1.1904	0.1780	68.87	43	0.46662	-0.2804	0.3412	16.16
9	0.73593	-0.3058	0.1936	20.15	44	0.96798	-0.6852	0.1806	1.99
11	0.75553	-1.2292	0.0891	7.93	45	0.87438	-1.2773	0.1336	5.23
12	0.82369	0.6526	0.3271	2.14	48	1.13592	0.2486	0.3798	4.34
13	0.18678	3.9355	0.2000	3.61	49	1.07631	0.8725	0.2640	25.88
14	0.97851	0.5462	0.2580	8.51	50	1.39516	0.5735	0.1590	32.72
16	1.01567	-1.3010	0.3409	3.46	51	1.26034	-1.0517	0.2132	1.60
17	0.50886	-1.7960	0.2000	21.17	52	0.83851	0.0685	0.1836	19.93
18	0.76038	-1.6156	0.0569	25.28	97	0.38739	2.2490	0.1684	9.58
19	0.65582	-0.5869	0.2127	2.81	99	0.79752	-1.9411	0.1213	5.13
21	0.67580	-1.3740	0.1639	3.85	100	0.62209	-0.2580	0.0555	1.65
22	1.13571	-1.6638	0.0708	4.98	101	0.46974	-0.3176	0.1111	14.95
23	0.96990	-0.6052	0.2734	5.07	102	0.83613	-1.6856	0.0676	10.68
24	0.65048	-0.6284	0.2000	-0.35	103	0.85770	-0.6418	0.2210	4.56
25	1.07389	0.9136	0.2486	33.48	104	0.33773	-0.2578	0.2000	120.67
28	0.41707	-0.1855	0.2000	185.15	105	1.09057	-1.4003	0.2390	0.49
29	0.81403	-1.3916	0.1682	-0.43	106	0.68732	1.5025	0.2384	66.76
30	0.38952	-2.9564	0.2000	2.32	107	0.68215	1.8255	0.1502	11.03
31	0.94049	0.4501	0.1772	5.84	108	0.88778	0.7353	0.2690	14.83
32	0.51481	-2.4674	0.2000	9.56	110	0.56606	-0.7903	0.1429	18.61
33	0.49559	-0.8270	0.0668	-0.27	111	0.63952	-1.0083	0.2000	4.45
34	0.59173	-2.1917	0.2000	20.17	112	0.84723	-1.7903	0.1780	34.31
35	0.69534	-0.7825	0.1691	0.32	113	1.08383	-1.1009	0.2074	11.03
36	0.61276	-0.2220	0.1346	7.80	114	0.45026	-0.6350	0.0648	42.45
37	0.86023	-1.8177	0.1331	3.60	115	0.78968	-0.5317	0.2011	12.70

N=55109 M1=51.8900 M2=657.9347 Critical Z=146.96

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Table 126. Item Parameter and Fit Summary, Constructed-Response Items, Grade 8 Reading

Item	Part	f	g1	g2	g3	g4	Fit-Z
6		0.88358	-0.7071	0.3823			10.98
10		0.98129	-1.5921	-0.3854	1.3299		31.62
15		1.11646	-1.8992	-0.1998	1.1528		56.99
20		0.65859	-2.0303	1.8233	-1.8282		78.85
26		1.00727	-1.8430	0.4370	1.9532		39.28
27		0.99470	-1.3980	1.7313			7.13
39		1.08466	1.3152	-0.8190			58.12
40		0.77815	-2.7933	0.4795	0.4064		67.33
46		0.92353	-0.8305	-0.7937			89.33
47		1.17273	-0.5618	-0.9859			67.29
95		0.91418	-1.5755	0.9850			40.76
96		1.19318	-1.9235	0.4849			40.86
98		1.14514	-2.2219	0.6781	2.6750		22.00
109		0.88638	-0.6085	-0.7389	-0.2498		33.34

N=55109 M1=51.8900 M2=657.9347 Critical Z=146.96

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Table 127. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 8 Writing

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
53	0.32668	-4.4488	0.2000	46.73	74	0.54631	-0.3036	0.0780	5.05
54	0.74252	-0.5850	0.2638	2.74	75	0.68211	-1.1515	0.1119	7.77
55	0.92810	-1.7846	0.2260	2.66	76	1.07818	-1.4196	0.1181	41.43
56	0.82461	-2.3751	0.2000	39.32	77	1.13253	-1.4499	0.3186	5.85
57	0.18408	1.6463	0.2000	73.93	78	1.32650	-1.1702	0.1656	15.49
58	0.89207	-0.3827	0.2149	7.30	79	0.77873	1.0873	0.1662	36.42
59	0.69389	1.6440	0.1368	40.15	81	0.92118	0.3796	0.2609	15.52
60	0.77263	-1.1802	0.1995	10.14	82	0.94265	0.1210	0.2533	10.30
61	0.35628	-0.1030	0.2000	29.29	83	0.91497	-1.1171	0.2543	2.05
63	0.54545	0.7319	0.2781	2.07	84	0.95442	-0.9126	0.1511	6.45
64	0.60956	1.0435	0.4987	10.57	85	0.60199	-0.1048	0.2000	4.86
65	0.39505	-0.7107	0.1988	3.77	86	1.28056	-0.3417	0.1879	14.39
66	0.40449	-1.2640	0.2000	5.35	87	0.72813	1.0638	0.1798	17.23
67	0.90463	-1.3335	0.3042	2.73	88	1.04780	-1.2738	0.1322	8.95
68	0.67917	-0.2020	0.0790	12.50	89	0.97078	-0.6586	0.1801	3.00
69	1.12758	-1.0487	0.2325	10.21	90	1.20972	-0.9919	0.1868	18.20
70	1.54037	-1.2453	0.2942	12.32	91	0.65153	-0.3695	0.2249	10.36
71	0.87039	-1.4636	0.1191	44.81	92	0.92254	-0.6636	0.2195	2.63
73	0.75366	0.7213	0.0762	44.22	93	1.30697	-0.3042	0.2608	18.13

N=54966 M1=64.5801 M2=565.4984 Critical Z=146.58

Table 128. Item Parameter and Fit Summary, Constructed-Response Items, Grade 8 Writing

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.01295	-5.3910				2.13
2	A	0.86355	-1.6693				10.55
2	B	1.32826	-2.1038				5.58
2	C	0.96062	-1.2743				17.06
2	D	0.73181	-1.6949				48.86
2	E	1.14365	-0.9753				7.37
2	F	0.99840	-3.2943				24.41
3	A	1.20213	-3.1651	-3.7621	-0.2694	2.1284	248.30
3	B	1.36844	-5.6449	-4.1117	-0.3908	2.2368	64.02
3	C	1.90518	-7.1475	-4.7599			17.64
72		0.93012	-2.8769	-3.1784	-0.6616	1.9356	75.91
94		0.84842	-1.8174	-2.2723	-0.1731	2.5779	224.97
116		0.78695	-1.5287	-2.7699	-0.3246	2.4295	204.08

N=54966 M1=64.5801 M2=565.4984 Critical Z=146.58

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Table 129. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 8 Mathematics

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	1.18451	-0.4087	0.1526	1.72	30	0.44910	-0.2104	0.2000	7.75
2	0.54309	1.0392	0.2000	120.10	31	1.76471	0.6319	0.2802	31.87
4	0.80755	0.0384	0.1809	120.16	33	0.71442	0.5597	0.2185	-0.39
5	0.40903	1.4416	0.2771	1.26	34	0.92394	0.6203	0.0565	14.72
6	1.13905	0.2617	0.1583	7.71	36	0.40604	-0.7205	0.2000	12.69
7	0.74162	0.3894	0.2833	22.52	37	0.83679	0.5430	0.0671	3.11
9	1.19889	0.3989	0.0758	11.61	38	0.83336	0.1861	0.0336	2.45
10	0.64177	0.4661	0.0288	2.65	39	1.33767	0.6808	0.1088	10.85
12	1.05041	1.3118	0.3327	6.87	41	0.55212	-0.1415	0.1385	0.37
13	1.20759	0.5319	0.3072	9.70	42	0.91429	-0.9735	0.0502	14.73
14	1.39292	0.4479	0.0833	24.22	43	1.31519	0.6643	0.2701	21.26
16	0.74377	1.0715	0.2586	1.18	44	0.95832	0.1012	0.1893	1.83
17	0.17785	-0.0888	0.2000	20.79	46	0.98186	0.6568	0.2297	22.25
18	0.59692	-1.8080	0.2000	6.29	47	0.86882	-0.3001	0.1851	2.31
19	0.61754	1.6146	0.1240	4.02	50	0.62424	0.0312	0.1241	-0.38
21	0.45108	-1.1873	0.2000	9.14	52	0.66249	0.2143	0.2086	10.45
22	1.15877	-0.2220	0.2627	10.10	53	0.92125	0.2604	0.2580	-0.27
23	0.32838	-2.2250	0.2000	31.96	55	1.20328	-0.4454	0.1604	3.65
24	0.96210	-0.0478	0.0936	4.43	56	1.10601	0.6569	0.2282	4.84
26	1.19360	-0.2889	0.4453	2.80	57	1.10441	0.6843	0.2549	1.95
27	1.31345	0.4944	0.2304	4.33	58	1.30464	0.1600	0.1438	9.95
29	0.68155	0.1830	0.0567	23.22	59	0.31987	-0.8094	0.2000	26.35

N=55940 M1=57.6415 M2=582.7406 Critical Z=149.17

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Table 130. Item Parameter and Fit Summary, Constructed-Response Items, Grade 8 Mathematics

Item	Part	f	g1	g2	g3	g4	Fit-Z
3		0.59338	0.2470	-0.6257			10.93
8		0.97900	0.6521	0.2831	-0.6229		62.30
11		0.15123	1.2850	0.7593			99.39
15		0.78420	0.6769	0.3707	3.7200		84.43
20		1.16510	-0.8992	0.2160	3.6909	1.1815	103.19
25		0.65101	-0.0595	0.8775			47.65
28		1.56607	-1.1004	0.4515	1.6022		43.83
32		1.04270	1.9186	-0.7834			58.64
35		0.77883	-1.0914	1.2798	-0.8633		36.73
40		1.18873	-0.1536	0.8283	1.0479	1.6159	47.64
45		0.70078	2.1019	-1.7078			90.36
48		0.87413	-2.1889	0.8117	1.5688		271.43
51		0.95237	1.7407	-0.0623			20.68
54		1.12494	-0.2015	-1.2796	1.1444		304.06
60		1.22172	-2.3267	-2.1784	-0.5253	0.3176	159.89

N=55940 M1=57.6415 M2=582.7406 Critical Z=149.17

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Table 131. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 8 Science

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.42679	-0.9470	0.2000	39.66	42	0.83775	0.4275	0.1308	4.56
2	0.79289	1.8824	0.2230	4.18	43	0.79089	-0.6047	0.3114	0.49
3	0.77808	-0.3274	0.1114	4.30	45	0.92359	0.5951	0.2780	2.85
4	0.42183	0.1934	0.2038	7.04	46	0.64131	2.4418	0.1386	2.61
5	0.88126	0.2236	0.2856	5.27	48	0.54345	0.8987	0.3101	0.45
6	0.67215	0.4042	0.2140	2.10	49	1.31377	0.2505	0.1071	10.23
7	0.78492	0.3279	0.2140	0.54	50	0.77008	0.6786	0.1583	4.44
8	0.93083	0.2238	0.2927	4.86	52	0.63364	0.7859	0.3906	6.20
9	0.73069	0.2706	0.1254	4.12	53	0.63317	0.0298	0.1636	1.99
10	0.71281	0.5786	0.1519	-0.21	54	0.84814	-1.7851	0.2000	8.16
11	0.23328	0.7658	0.2000	7.64	55	0.50256	1.0520	0.2453	1.61
12	0.78478	-1.1057	0.0655	1.76	56	0.90079	0.2978	0.3144	15.00
13	0.52765	1.3324	0.2674	0.04	58	0.80653	1.2429	0.2523	1.92
15	0.80925	1.0520	0.1234	13.22	59	0.49341	0.0662	0.1492	5.54
16	0.73460	-0.2373	0.2616	5.89	60	0.42623	-0.5685	0.2000	10.61
17	0.93811	0.5525	0.2160	7.51	61	0.39435	-1.3378	0.2000	1.41
18	0.69392	-0.7628	0.0470	9.45	63	0.67706	0.0580	0.2844	4.09
26	1.02910	-0.4898	0.4197	2.94	65	0.63399	1.9092	0.1762	14.64
27	0.46958	-0.9899	0.2793	7.40	67	0.63021	0.9473	0.1413	2.76
28	0.53965	-1.4080	0.1988	6.64	68	0.70377	0.0826	0.0793	15.46
29	0.67799	0.5513	0.1039	2.15	70	1.60965	0.5855	0.2217	82.42
30	0.93605	1.5452	0.2397	4.66	71	0.69280	1.3876	0.1501	4.36
32	1.04493	0.4048	0.4559	4.37	72	0.74498	0.3234	0.2303	2.26
33	1.00239	1.5869	0.2585	16.07	74	0.94422	0.3035	0.3315	1.80
34	1.13295	1.4422	0.1161	14.91	75	0.58169	-0.5303	0.0664	7.90
36	0.80655	-0.2960	0.3322	6.89	77	0.50062	-0.8033	0.1348	17.91
37	0.69048	0.1671	0.2236	1.05	78	0.58912	1.3692	0.2732	11.91
38	0.87805	-0.1147	0.1368	0.67	79	0.59870	3.6394	0.2971	1.48
40	0.64016	0.8171	0.2734	3.25	81	1.01529	0.6014	0.1816	39.07
41	1.09225	0.5058	0.3732	8.05	82	0.43064	-1.4095	0.1744	2.04

N=55838 M1=55.2125 M2=505.3142 Critical Z=148.90

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Table 132. Item Parameter and Fit Summary, Constructed-Response Items, Grade 8 Science

Item	Part	f	g1	g2	g3	g4	Fit-Z
14		1.11664	-0.4259				41.95
19		0.83288	-0.7917	-0.3442			48.10
20		1.03938	-0.3434				22.41
21		1.08068	-1.9871				8.80
22		0.44509	-0.7120	-0.8867	-0.6078	0.0049	20.59
23		1.61281	-2.1081				25.10
24		0.74977	1.1403				16.19
25		0.93900	0.3272				25.91
31		0.90883	-0.0085	0.9851			8.22
35		0.95010	2.3864				4.72
39		1.05817	-0.0524	3.7456			8.97
44		1.21835	-1.6708	-1.1277	0.0720		49.65
47		0.76612	0.0541	-0.0492			30.40
51		1.00877	-0.8533	1.7848			217.50
57		0.51212	-1.3483	-1.2356			49.04
62		0.75419	-0.4829	1.8157			32.21
64		0.80865	-0.5985				3.30
66		1.38964	5.1359				5.64
69		0.81148	3.2316	1.9096			3.11
73		1.29115	-0.4650	0.8626			58.78
76		0.65772	1.2054	2.5569			6.26
80		0.93141	0.3393	0.9948			55.40
83		0.73834	-1.3690	2.7447			46.73

N=55838 M1=55.2125 M2=505.3142 Critical Z=148.90

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Table 133. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 9 Reading

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
4	1.23504	-1.1596	0.1443	2.62	40	1.09015	-1.1681	0.1560	0.71
6	1.27120	-1.7096	0.3927	3.19	41	1.32595	-0.1338	0.2822	11.82
7	1.32432	-1.8167	0.1424	7.39	42	0.74241	0.1057	0.3748	1.43
8	0.47918	0.4229	0.0936	6.61	43	0.89024	-0.2806	0.3353	5.22
9	0.33662	0.2387	0.0945	0.04	45	0.55957	0.2323	0.2210	11.34
10	0.86123	-1.7640	0.1068	7.44	46	0.63051	0.5298	0.0893	19.60
11	0.37854	-1.1072	0.2000	21.33	47	0.61207	0.1376	0.2762	8.49
12	0.88089	-0.9580	0.1580	2.66	48	0.55377	-1.1804	0.0604	39.44
13	0.41114	-0.4324	0.1720	6.32	49	0.43569	-0.2262	0.2000	71.73
14	0.64508	-0.2673	0.0698	5.94	92	0.42503	-0.8348	0.2000	152.78
15	0.39726	0.1319	0.2000	55.24	94	0.83256	-2.0794	0.0713	11.97
16	0.90043	-0.7359	0.2319	3.17	95	0.52176	-0.9159	0.0624	28.73
17	0.80960	-0.8196	0.2279	0.35	97	1.39202	-2.6586	0.2000	67.04
19	0.67275	-1.4744	0.2000	2.76	98	1.47819	-2.5795	0.0949	28.09
20	1.23952	-1.7918	0.0417	6.40	99	1.30914	-2.4866	0.0700	8.71
21	0.87096	-0.9100	0.2238	10.88	101	1.11954	-1.4429	0.2412	6.93
22	0.46411	-1.4485	0.2000	16.49	103	1.13204	-1.1381	0.2175	6.20
23	0.61818	-1.0421	0.2058	0.73	105	1.03535	-0.5031	0.1514	10.25
25	0.93600	0.6760	0.2003	9.89	106	0.91964	-1.3065	0.3587	0.13
26	0.47614	-0.4909	0.2000	81.03	107	1.02743	-0.3956	0.1863	8.79
28	1.11702	-0.8273	0.1010	13.15	109	0.79885	0.4580	0.1530	5.72
29	0.29777	1.0477	0.2000	35.77	110	1.04309	0.1014	0.2540	4.81
32	1.09662	-1.0323	0.1113	2.74	111	0.57553	0.1640	0.1201	86.60
33	0.57252	1.4982	0.2932	8.36	112	1.28585	1.1521	0.2094	64.15
35	0.90832	-2.0956	0.0638	13.52	113	1.00472	0.4785	0.1422	15.17
36	0.53544	-1.8383	0.1397	8.71	114	0.70359	0.0012	0.2327	38.90
37	0.84010	0.1530	0.2543	5.21	115	0.86674	1.6485	0.2087	10.09
39	0.51412	-0.0259	0.1720	68.62					

N=55324 M1=44.7121 M2=663.5300 Critical Z=147.53

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Table 134. Item Parameter and Fit Summary, Constructed-Response Items, Grade 9 Reading

Item	Part	f	g1	g2	g3	g4	Fit-Z
5		0.64066	-2.7286	-0.0024	-0.1571		115.05
18		0.57620	-2.2370	2.1877	-2.4099		101.34
24		1.00663	-2.0813	0.4407	1.9331		34.87
27		1.38933	-2.6007	0.8651			108.39
31		1.15202	-2.9900	0.9022			44.73
34		0.90035	-1.4746	-0.0823	1.5395		71.59
38		0.94328	-1.0143	-0.8958	-0.6300		17.42
44		1.18409	-0.9840	1.7389			43.33
93		0.99176	-0.2721	-0.0479	2.3389		37.96
96		0.95583	-1.4224	-1.0149	0.7158		48.02
100		0.82851	0.1304	-0.7016	-0.4708		106.41
102		0.82913	-0.4747	2.0526	1.5517		12.63
104		1.07753	0.3443	1.0512	1.8558		71.50
108		1.06796	-0.0330	0.7519	2.2582		134.30

N=55324 M1=44.7121 M2=663.5300 Critical Z=147.53

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Table 135. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 9 Writing

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
50	0.39036	-0.9093	0.1866	2.96	72	0.62983	-0.3801	0.0790	4.11
51	0.90812	-1.2825	0.1175	6.85	73	1.15909	-0.9684	0.1919	6.52
52	0.64887	-1.2561	0.2000	3.92	74	1.03386	-1.4340	0.1079	14.73
53	0.99304	-1.3262	0.1608	1.54	75	1.76471	-1.0156	0.2005	25.19
54	0.61551	-0.2790	0.2779	8.54	76	1.31025	-1.2343	0.1358	39.51
55	0.18260	-2.4050	0.2000	56.94	77	1.08076	-0.2509	0.1460	29.79
56	0.55557	1.3356	0.1791	3.44	78	1.00491	-0.5589	0.3157	13.35
57	0.55608	-1.3517	0.1866	2.70	79	1.50308	-0.6268	0.2298	7.42
58	0.82593	-1.8950	0.2000	16.64	80	1.49065	-0.4546	0.2276	47.55
59	0.79701	-1.0461	0.2557	-0.96	81	1.06445	-0.9935	0.1826	12.08
60	1.07972	-1.4522	0.1702	8.93	82	0.65572	0.3743	0.2874	4.72
61	1.10342	-0.5692	0.2249	4.21	83	0.73888	-0.1079	0.1605	-0.88
62	0.72301	0.0381	0.3117	4.11	84	1.26320	-0.5514	0.2096	8.19
63	0.61628	0.2512	0.2000	248.74	85	1.16744	-0.7738	0.1972	20.35
64	0.75587	-0.4654	0.1445	20.64	86	0.37836	-1.7800	0.2000	50.69
66	1.72498	-1.0720	0.1217	10.05	87	0.96357	-0.2561	0.2166	7.74
67	1.63590	-1.3005	0.2516	16.32	88	1.39981	-0.4542	0.3002	13.50
68	0.97220	-0.8566	0.1717	2.60	89	1.76471	-1.1641	0.2799	25.10
69	0.93723	-0.3926	0.2023	2.71	90	0.41544	-0.5716	0.1022	6.59
71	0.86488	0.9765	0.1559	61.01					

N=55235 M1=70.1203 M2=574.7084 Critical Z=147.29

Table 136. Item Parameter and Fit Summary, Constructed-Response Items, Grade 9 Writing

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.07915	-4.8265				6.66
2	A	1.16499	1.4418				63.46
2	B	0.73129	-1.0200				22.49
2	C	1.36871	-1.8920				1.17
2	D	1.17832	0.3777				4.02
2	E	1.18684	-0.6442				18.46
2	F	0.82844	0.5811				13.68
3	A	1.37655	-3.6796	-4.5517	-0.6453	1.9570	105.53
3	B	1.41363	-5.6108	-4.0542	-0.7092	1.9061	73.83
3	C	1.62103	-6.4285	-4.0940			19.57
65		0.95670	-2.6476	-3.0959	-0.7697	1.9921	85.37
91		0.85888	-2.2879	-1.8256	-0.1142	2.5570	118.31
116		0.86896	-1.7410	-1.9676	0.3654	2.9434	394.37

N=55235 M1=70.1203 M2=574.7084 Critical Z=147.29

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Table 137. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 9 Mathematics

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.76448	-1.3730	0.0594	14.10	31	0.41046	-0.1381	0.2000	38.61
3	1.20904	0.0372	0.1904	20.41	32	1.11765	1.7823	0.0500	53.03
4	1.48352	0.6155	0.2097	10.15	33	0.67119	0.1516	0.2133	1.10
5	1.26019	0.5074	0.1015	8.00	35	0.93459	-0.1247	0.0809	40.80
6	1.11317	1.3071	0.3407	10.58	36	0.84128	0.7855	0.0836	37.41
8	1.33481	2.4510	0.2596	0.69	37	0.59017	-0.5254	0.1611	4.08
9	1.10638	0.2193	0.3033	7.44	38	1.61406	1.1886	0.2529	15.99
11	0.88165	0.5311	0.1263	1.26	39	1.09007	0.5513	0.1191	2.81
12	1.41182	2.8590	0.0186	86.80	41	1.08937	0.4264	0.3190	0.77
13	0.97606	1.0217	0.1602	7.27	42	0.96194	0.4784	0.2227	16.56
15	0.51061	-2.2460	0.2000	45.18	43	0.91465	0.5237	0.4559	10.50
16	0.31552	0.0293	0.2000	24.02	44	1.15823	1.4704	0.2202	3.25
17	0.26906	1.5346	0.0907	96.79	45	1.28528	0.1911	0.3932	12.07
18	0.96615	1.4918	0.3034	1.38	47	0.43226	0.7643	0.0566	5.15
19	0.28612	-0.5635	0.1273	12.35	48	0.61595	-0.8684	0.0686	3.45
21	0.61341	0.4971	0.0947	3.01	50	1.62449	1.6033	0.2198	18.59
22	0.88766	1.1272	0.2395	0.72	52	1.49168	1.0691	0.1738	17.95
24	1.09424	0.6343	0.0680	6.07	54	0.94489	-0.1218	0.3568	22.85
25	1.55380	1.3251	0.0720	45.37	55	0.91360	0.8575	0.3300	1.88
26	0.91447	1.3280	0.1669	1.79	56	1.30752	1.9407	0.3445	20.16
27	0.70721	-0.9238	0.2000	4.42	58	1.40490	0.6869	0.1289	31.57
29	0.89959	1.9440	0.2600	62.75	59	0.74068	-1.7288	0.0718	14.72

N=57957 M1=62.8623 M2=582.9489 Critical Z=154.55

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Table 138. Item Parameter and Fit Summary, Constructed-Response Items, Grade 9 Mathematics

Item	Part	f	g1	g2	g3	g4	Fit-Z
2		1.34559	0.0359	.			4.96
7		1.11174	0.6862	0.5662	-0.3140		22.11
10		0.92175	0.2848	0.5210			124.26
14		1.42118	0.8201	1.7482	6.6166		10.66
20		0.97424	-1.2252	-0.2906	1.2584	1.6629	137.25
23		0.56528	0.0634	0.9319			116.86
28		1.26691	0.6302	2.0309	2.4019		72.38
30		1.51107	1.6994	0.3630			20.98
34		0.79034	-1.2570	1.1726	-0.9302		82.55
40		1.40053	0.5052	1.2672	3.1372	1.1962	40.49
46		0.77113	0.3537	-0.2048			85.81
49		1.41366	0.6890	0.5336	0.5401		98.90
51		1.69142	-1.2032	-0.2242			80.59
53		0.83987	-1.2632	1.3015	1.0794		76.60
60		1.19527	-1.9044	-2.6437	-0.8753	0.0127	877.08

N=57957 M1=62.8623 M2=582.9489 Critical Z=154.55

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Table 139. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 10 Reading

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
4	0.66342	-1.9698	0.1034	3.93	40	0.93255	-0.7261	0.3326	3.33
5	0.83296	-1.5024	0.0689	3.84	42	0.69934	-0.0825	0.1356	22.06
6	0.74652	-1.3496	0.1910	7.90	43	0.51410	0.2946	0.1323	3.22
8	0.59460	0.6152	0.4112	-0.64	44	1.08155	-1.4254	0.2157	3.42
9	0.59061	-1.3980	0.0893	4.22	45	0.52509	-0.1658	0.2000	19.29
10	0.63052	-1.1727	0.0653	-0.28	46	0.59429	0.1157	0.1519	3.75
11	0.74905	-0.9204	0.3241	11.23	47	0.83245	-0.1837	0.2193	0.90
13	1.00029	0.3680	0.2726	5.85	48	0.91674	1.6614	0.3107	7.60
15	0.47597	0.3906	0.1907	1.55	92	0.87956	0.2506	0.2099	2.68
16	0.75565	-0.8771	0.2816	6.10	93	0.97267	-0.0311	0.2450	6.42
17	0.36935	-1.0247	0.2000	39.44	94	0.54550	-0.1428	0.1163	58.98
18	0.98597	-1.6496	0.1132	3.58	95	0.71321	-1.3938	0.0638	34.56
20	0.74231	1.0209	0.2609	2.32	96	1.36081	0.8008	0.2266	50.25
21	0.40999	-0.6236	0.2000	219.97	98	1.06799	0.1276	0.1663	8.56
22	0.38066	-0.1750	0.2000	7.16	99	0.76287	-0.7918	0.2050	33.88
23	0.52133	0.7564	0.1684	4.44	100	1.02107	1.2403	0.2023	12.15
24	0.78291	-0.8843	0.3045	0.75	102	0.76929	-1.3700	0.1858	37.86
25	1.13724	-0.8282	0.3128	0.49	104	0.66729	-0.1582	0.1887	335.92
26	1.00894	-1.5274	0.2106	1.21	105	1.00546	-1.2007	0.1718	6.64
28	0.93097	-0.9276	0.1317	24.53	106	1.70631	-1.3953	0.2354	38.74
29	0.81817	-1.9871	0.2407	6.77	107	0.53719	0.5216	0.1803	19.69
30	1.01830	-0.5548	0.2337	3.18	109	0.12537	-2.3184	0.2000	50.56
33	1.19590	-0.8753	0.2542	1.24	110	0.71068	-1.1245	0.0677	82.43
34	1.01388	-2.4810	0.2000	46.08	111	0.80373	-0.7785	0.1207	59.81
35	0.69802	-0.5348	0.1070	0.72	112	1.01725	0.1950	0.2730	4.91
36	1.20444	0.1451	0.2683	8.09	113	0.42431	0.2431	0.2235	18.88
38	0.82900	-1.0544	0.0327	5.19	114	0.43541	1.2999	0.1939	8.90
39	1.12006	0.7921	0.2852	6.15	115	0.45620	-0.4825	0.0816	9.56

N=53237 M1=47.1807 M2=685.6910 Critical Z=141.97

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Table 140. Item Parameter and Fit Summary, Constructed-Response Items, Grade 10 Reading

Item	Part	f	g1	g2	g3	g4	Fit-Z
7		0.67398	-0.7151	-0.2006	0.7170		8.35
12		0.92940	-0.9923	-0.1687	1.4874		32.70
14		1.02462	-1.5337	-1.9778	0.7290	1.4627	77.49
19		0.90232	-1.7377	0.5238			22.25
27		0.89103	0.0148	0.4079	1.0965		58.41
31		0.76949	-0.4591	1.8929	1.2843		19.83
32		1.13084	-1.3437	-1.0039	-0.2159		34.29
37		0.88807	-0.5717	-1.2854	-0.4768		26.42
41		0.91441	-0.7543	0.6412	0.1697		92.94
91		1.19243	-0.7680	0.6501	2.0832		85.28
97		1.20726	-0.8819	-0.7726			19.49
101		1.12187	-0.4908	-0.2570	1.6154		69.24
103		0.98488	-0.7608	0.7799	2.4857		43.19
108		1.27335	-0.5707	0.4783			59.53

N=53237 M1=47.1807 M2=685.6910 Critical Z=141.97

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Table 141. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 10 Writing

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
49	1.63501	-2.0072	0.2936	7.50	70	1.27753	-1.2997	0.2983	9.00
50	0.51886	-0.0868	0.1735	9.68	71	0.37187	-0.7856	0.1171	4.64
51	1.61393	-1.8419	0.2387	20.35	72	1.23620	-1.2180	0.1890	5.81
52	0.95740	-1.0053	0.2613	4.26	73	1.76471	-1.7118	0.2701	48.29
53	1.34892	-1.6891	0.1369	33.51	74	0.93905	-1.4278	0.0398	78.19
54	0.39528	-1.4550	0.2000	34.34	75	1.66586	-1.3807	0.1787	22.86
55	0.99968	-1.3684	0.1640	5.48	76	0.59302	0.1543	0.2866	4.61
56	0.55261	-0.0069	0.2000	282.58	77	0.74849	-0.4381	0.2000	32.61
57	0.90954	-0.8041	0.2442	2.82	78	0.63528	0.5091	0.1563	75.47
58	0.98182	-1.4315	0.1718	2.26	79	0.90430	-0.7392	0.2627	5.24
59	1.03699	-0.9426	0.1776	22.88	80	0.85270	-0.6127	0.1268	27.12
60	0.79868	1.2214	0.2447	8.32	81	1.13645	1.0482	0.1782	135.03
61	1.76471	-2.0093	0.3044	10.86	82	1.10419	-0.7486	0.1932	12.52
62	0.87294	-0.6696	0.2381	10.80	83	1.76471	-1.5518	0.2393	17.39
63	1.11456	-1.4264	0.1882	4.35	84	1.76471	-1.4348	0.2472	28.73
64	0.53634	-1.7457	0.2000	98.28	85	0.39311	0.2897	0.1498	53.24
65	1.00438	-1.5112	0.1136	14.14	86	0.46206	0.0112	0.1817	107.17
66	0.58634	-0.8009	0.2000	6.95	87	1.38086	-1.4711	0.2070	28.25
67	0.42749	-0.9281	0.1090	4.70	88	1.26507	-1.3111	0.1655	19.20
68	0.72374	-1.4904	0.0730	46.70	89	0.53387	-0.1017	0.2000	52.08

N=53099 M1=65.0706 M2=583.3055 Critical Z=141.60

Table 142. Item Parameter and Fit Summary, Constructed-Response Items, Grade 10 Writing

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.11280	-4.7963				7.76
2	A	1.18328	-1.3079				31.37
2	B	0.43039	-1.0232				14.85
2	C	0.68786	-1.3439				4.98
2	E	1.05691	0.4168				24.53
2	F	0.80265	-1.8687				10.84
3	A	1.72170	-5.3395	-4.1132	-0.1614	2.8050	415.02
3	B	1.79009	-7.0249	-4.0021	-0.1415	2.8798	161.29
3	C	1.74626	-7.1684	-3.0262			28.47
69		0.77133	-1.7876	-2.2653	-0.7808	1.6760	102.98
90		0.93620	-2.1972	-2.0588	-0.1525	2.4183	128.75
116		0.89418	-1.9163	-2.2257	-0.3044	2.2947	171.84

N=53099 M1=65.0706 M2=583.3055 Critical Z=141.60

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Table 143. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 10 Mathematics

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	1.29025	0.8684	0.1290	15.18	32	1.18410	1.6851	0.1761	4.81
2	0.93452	1.5476	0.1856	4.61	33	1.19291	1.3731	0.3166	13.21
3	0.29868	-0.4124	0.2000	8.47	35	0.57607	0.0880	0.1924	10.59
4	0.78814	-1.3770	0.0548	13.90	36	1.47751	-0.1962	0.1437	15.13
6	1.19216	1.1231	0.3106	17.87	37	0.95258	-0.1738	0.2674	2.05
7	1.08540	1.1043	0.2216	1.73	38	0.70762	-0.3857	0.1199	2.55
9	0.86559	2.0378	0.2745	11.54	39	0.67070	-0.3431	0.1673	3.15
10	0.87453	0.1073	0.1463	2.63	41	0.75665	0.7379	0.2387	0.27
11	0.85355	0.7446	0.0370	45.54	42	0.99059	0.4301	0.4749	11.11
12	0.83234	0.4815	0.1482	5.21	43	0.78120	1.5021	0.1427	11.57
14	0.81914	0.1831	0.2513	4.66	45	1.28154	0.3439	0.1122	7.81
15	0.55777	-0.2222	0.1815	101.27	46	1.07326	0.2034	0.2175	7.90
16	0.97664	0.5201	0.1996	10.78	47	1.60843	1.4332	0.2275	2.81
18	1.14084	1.0688	0.4324	1.04	48	1.26286	0.4979	0.0616	14.18
19	1.31761	0.7644	0.0685	13.73	50	1.05154	1.4895	0.2306	20.06
21	1.26568	1.1177	0.1163	3.26	51	0.38963	-1.9103	0.2000	220.18
22	0.62716	-0.8639	0.2000	2.44	52	1.02790	-0.3773	0.1687	3.82
23	1.12134	1.3322	0.1375	23.14	54	1.56669	1.4445	0.2703	10.98
24	0.92776	1.3394	0.0664	25.87	56	0.56348	0.0003	0.1815	150.11
26	0.83231	0.0031	0.2534	19.85	57	1.43853	2.5382	0.0319	77.56
27	0.90575	1.1480	0.3001	19.38	58	0.58612	1.2505	0.1394	13.98
29	1.40821	1.7694	0.2940	41.98	59	0.73729	-0.9328	0.0902	27.84
30	0.63855	-0.8867	0.1790	11.05					

N=55884 M1=60.3140 M2=601.0285 Critical Z=149.02

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Table 144. Item Parameter and Fit Summary, Constructed-Response Items, Grade 10 Mathematics

Item	Part	f	g1	g2	g3	g4	Fit-Z
5		0.89672	0.2600	0.5880			92.50
8		1.19182	0.1882	2.4842	1.1846		157.76
13		1.50271	-0.4793	0.8921			120.33
17		1.52785	0.6763	1.6960	6.0179		22.25
20		1.39243	0.2285	1.0365	2.9846	0.9717	35.61
25		0.53834	-1.6837	0.4383			131.68
28		1.31973	-1.8172	1.1254	4.0210		81.99
31		1.49151	1.6350	0.1502			39.23
34		0.92778	-0.9855	-0.7968	0.7698		65.87
40		0.97498	-3.0654	-0.5169	1.9068	0.5430	52.22
44		0.70575	3.9289	0.5210			5.94
49		1.20726	0.1862	-0.7347	-0.1954		138.41
53		1.29992	2.4742	-0.9531			83.46
55		1.04251	0.8130	1.6052	-0.0530		142.22
60		1.06247	-0.7857	1.0825	0.3313	1.6034	151.01

N=55884 M1=60.3140 M2=601.0285 Critical Z=149.02

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Table 145. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 10 Science

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.85492	-0.1175	0.3751	4.12	45	1.03203	-0.5489	0.3338	1.29
2	0.36008	-1.2734	0.2000	40.70	47	1.72434	1.1313	0.2472	34.13
3	0.58645	-0.4573	0.0692	5.36	48	0.77858	-0.3008	0.1851	29.44
4	1.15689	1.7857	0.2960	26.62	49	1.15271	-0.5862	0.2747	1.51
5	0.71874	0.3146	0.0981	8.49	50	0.80571	-1.2310	0.1996	5.15
6	1.52028	2.5216	0.2756	22.61	51	0.64128	-0.9749	0.0848	21.32
7	1.37094	1.3487	0.2819	2.71	53	0.82591	-1.3887	0.1626	9.59
8	0.79103	0.6853	0.1320	10.36	54	1.28509	-1.4725	0.1424	19.09
10	0.80970	0.9982	0.3140	9.62	56	0.92744	-0.3867	0.1035	2.32
11	0.60078	1.2967	0.1675	8.23	57	0.40244	0.0328	0.2000	68.01
12	1.26220	1.1888	0.2663	7.28	60	1.07544	0.7012	0.1819	8.68
13	1.12502	-0.1756	0.1706	3.53	62	0.58243	0.7791	0.2242	2.04
14	1.03237	-0.6998	0.1077	42.81	64	0.59704	-0.6363	0.2000	2.58
16	1.07154	0.8528	0.2942	6.74	65	0.44358	-0.1316	0.0734	0.87
17	0.54255	1.1696	0.1947	11.90	66	0.70456	0.6241	0.3324	4.04
18	1.07399	0.6402	0.1777	26.52	67	0.68472	-1.4069	0.1778	7.23
19	0.41905	-0.1721	0.2000	113.21	70	0.48907	-1.1753	0.1225	6.29
20	0.96379	1.3784	0.4754	28.83	71	0.63963	1.2041	0.2626	3.55
21	0.74203	1.7901	0.1875	33.61	72	0.65354	-0.8411	0.2364	2.76
28	0.54633	-0.3447	0.0567	2.51	73	0.81158	-0.6346	0.2643	11.62
30	0.80973	-0.0913	0.0595	25.38	74	0.99042	0.4987	0.2485	5.87
31	0.81587	1.3909	0.3066	19.35	76	0.97839	0.1865	0.2235	3.96
33	0.67786	1.8785	0.2264	2.90	77	0.68006	1.2293	0.1773	0.49
34	0.64336	1.2746	0.2925	9.36	78	1.12838	0.9870	0.2056	8.95
35	1.36069	1.5818	0.3950	11.73	79	0.82196	1.2696	0.2026	7.35
37	0.71821	-1.2973	0.2000	4.28	80	0.95748	0.7821	0.1661	19.14
40	0.81802	-0.6640	0.2769	3.00	81	1.28657	0.9954	0.1566	17.51
41	0.98412	-1.6478	0.0831	27.03	82	0.46736	-0.0106	0.2302	23.73
43	0.47981	2.3407	0.2787	7.13					

N=55790 M1=57.3492 M2=501.6730 Critical Z=148.77

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Table 146. Item Parameter and Fit Summary, Constructed-Response Items, Grade 10 Science

Item	Part	f	g1	g2	g3	g4	Fit-Z
9		0.90823	0.1303	1.4898			9.75
15		0.84162	-0.5625	0.7724			55.39
22		0.47301	0.1649	-0.3275	-0.2843	-0.1404	35.23
23		0.54186	0.3066	-0.4392			53.02
24		0.98047	-0.3983	1.1725			304.63
25		0.69887	0.6796				10.86
26		1.11458	1.1035				26.83
27		0.67746	0.3635				38.93
29		0.69856	-0.3120				22.99
32		0.63292	1.1546				10.67
36		1.29832	1.1280	2.8651			8.04
38		0.92961	1.5052	1.3336			44.72
39		1.13661	2.0175	0.4832			65.67
42		1.04033	0.6611	2.5831			30.83
44		0.67902	0.7703	-0.5035			21.09
52		1.21265	1.7954	4.3068			54.27
55		0.84509	0.4587				3.93
58		0.83624	-0.5211	2.2666			25.79
59		2.22215	3.5591				21.50
61		0.93433	0.5921	2.4747			18.19
63		0.51123	0.7128	2.4238			36.63
75		1.01197	-0.0217	1.0777			26.91
83		1.10081	-0.2682				59.90

N=55790 M1=57.3492 M2=501.6730 Critical Z=148.77

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Table 147. Correlations between the Reference and New Form Item Parameters for the 2011 CSAP Administration

Content Area	Grade	Discrimination (a)	Difficulty (b)	Guessing (c)	*p*-Value (p)
Reading	3	0.93	0.99	0.79	0.99
	4	0.92	0.97	0.75	0.99
	5	0.98	0.98	0.96	0.99
	6	0.95	0.95	0.73	0.98
	7	0.97	0.99	0.91	1.00
	8	0.96	0.98	0.86	0.99
	9	0.96	0.98	0.76	0.99
	10	0.94	0.88	0.60	0.97
Writing	3	0.95	0.98	0.83	0.99
	4	0.96	0.96	0.76	0.97
	5	0.87	0.97	0.44	0.99
	6	0.92	0.96	0.72	0.98
	7	0.97	0.96	0.76	0.98
	8	0.61	0.95	0.83	0.98
	9	0.97	0.95	0.87	0.96
	10	0.97	0.96	0.74	0.98
Mathematics	3	0.94	0.98	0.91	0.99
	4	0.94	0.99	0.78	1.00
	5	0.94	0.98	0.71	0.99
	6	0.97	0.98	0.91	0.97
	7	0.96	0.96	0.85	0.98
	8	0.96	0.96	0.88	0.98
	9	0.96	0.96	0.91	0.99
	10	0.98	0.99	0.92	0.99
Science	5	0.96	0.92	0.70	0.99
	8	0.94	0.97	0.89	0.98
	10	0.97	0.99	0.81	0.99

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Table 148. Scaling Constants across Grades and Content Areas for Two Administrations

Content Area	Grade	2010		2011	
		Multiplicative	Additive	Multiplicative	Additive
Reading	3	65.6	562.4	60.0	571.3
	4	49.4	588.9	52.4	590.4
	5	56.9	618.6	56.0	623.4
	6	56.4	639.6	55.2	635.6
	7	54.7	651.2	56.4	646.9
	8	51.1	660.8	51.9	657.9
	9	45.5	671.4	44.7	663.5
	10	49.1	688.5	47.2	685.7
Writing	3	45.6	461.7	44.0	464.6
	4	46.0	487.0	46.8	493.8
	5	50.2	507.8	48.9	512.8
	6	55.3	527.6	54.5	529.7
	7	63.3	558.0	60.9	554.5
	8	64.2	566.1	64.6	565.5
	9	71.9	563.2	70.1	574.7
	10	79.2	574.4	65.1	583.3
Mathematics	3	79.8	481.0	74.8	473.5
	4	65.9	509.9	63.9	510.2
	5	60.4	533.9	66.4	533.3
	6	62.3	552.6	63.0	558.1
	7	62.9	556.7	60.6	569.3
	8	60.5	586.2	57.6	582.7
	9	58.5	580.1	62.9	582.9
	10	59.9	592.3	60.3	601.0
Science	5	54.7	508.3	57.5	509.3
	8	52.7	505.2	55.2	505.3
	10	55.9	499.4	57.3	501.7

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Table 149. CSAP Item and Anchor Count by Content Standard for Final Calibration Sample: Reading

Grade	Content Standard	Item Set	Number Of Items	Percentage
3	CS 1	Anchor Set	18	100.0
		Total Test	40	100.0
	Total	Anchor Set	18	100.0
		Total Test	40	100.0
4	CS 1	Anchor Set	9	37.5
		Total Test	28	40.6
	CS 4	Anchor Set	5	20.8
		Total Test	14	20.3
	CS 5	Anchor Set	5	20.8
		Total Test	14	20.3
	CS 6	Anchor Set	5	20.8
		Total Test	13*	18.8
	Total	Anchor Set	24	100.0
		Total Test	69*	100.0
5	CS 1	Anchor Set	8	38.1
		Total Test	25	35.7
	CS 4	Anchor Set	5	23.8
		Total Test	17	24.3
	CS 5	Anchor Set	5	23.8
		Total Test	15	21.4
	CS 6	Anchor Set	3	14.3
		Total Test	13	18.6
	Total	Anchor Set	21	100.0
		Total Test	70	100.0
6	CS 1	Anchor Set	10	41.7
		Total Test	27	39.1
	CS 4	Anchor Set	5	20.8
		Total Test	16	23.2
	CS 5	Anchor Set	6	25.0
		Total Test	14	20.3
	CS 6	Anchor Set	3	12.5
		Total Test	12*	17.4
	Total	Anchor Set	24	100.0
		Total Test	69*	100.0

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Table 149. CSAP Item and Anchor Count by Content Standard for Final Calibration Sample: Reading (cont'd)

Grade	Content Standard	Item Set	Number Of Items	Percentage
7	CS 1	Anchor Set	8	34.8
		Total Test	23	32.9
	CS 4	Anchor Set	5	21.7
		Total Test	18	25.7
	CS 5	Anchor Set	5	21.7
		Total Test	15	21.4
	CS 6	Anchor Set	5	21.7
		Total Test	14	20.0
	Total	Anchor Set	23	100.0
		Total Test	70	100.0
8	CS 1	Anchor Set	10	41.7
		Total Test	26	37.1
	CS 4	Anchor Set	5	20.8
		Total Test	16	22.9
	CS 5	Anchor Set	6	25.0
		Total Test	17	24.3
	CS 6	Anchor Set	3	12.5
		Total Test	11	15.7
	Total	Anchor Set	24	100.0
		Total Test	70	100.0
9	CS 1	Anchor Set	8	36.4
		Total Test	22	31.9
	CS 4	Anchor Set	4	18.2
		Total Test	13	18.8
	CS 5	Anchor Set	5	22.7
		Total Test	17	24.6
	CS 6	Anchor Set	5	22.7
		Total Test	17*	24.6
	Total	Anchor Set	22	100.0
		Total Test	69*	100.0

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Table 149. CSAP Item and Anchor Count by Content Standard for Final Calibration Sample: Reading (cont'd)

Grade	Content Standard	Item Set	Number Of Items	Percentage
10	CS 1	Anchor Set	6	28.6
		Total Test	22	31.4
	CS 4	Anchor Set	4	19.0
		Total Test	16	22.9
	CS 5	Anchor Set	7	33.3
		Total Test	19	27.1
	CS 6	Anchor Set	4	19.0
		Total Test	13	18.6
	Total	Anchor Set	21	100.0
		Total Test	70	100.0

* Content area in which item(s) were removed from the calibration or anchor set. Counts shown in this table do not include removed items.

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Table 150. CSAP Item and Anchor Count by Content Standard for Final Calibration Sample: Writing

Grade	Content Standard	Item Set	Number Of Items	Percentage
3	CS 2	Anchor Set	9	42.9
		Total Test	21	39.6
	CS 3	Anchor Set	12	57.1
		Total Test	32	60.4
	Total	Anchor Set	21	100.0
		Total Test	53	100.0
4	CS 2	Anchor Set	10	45.5
		Total Test	21	39.6
	CS 3	Anchor Set	12	54.5
		Total Test	32	60.4
	Total	Anchor Set	22	100.0
		Total Test	53	100.0
5	CS 2	Anchor Set	9*	42.9
		Total Test	21	39.6
	CS 3	Anchor Set	12	57.1
		Total Test	32	60.4
	Total	Anchor Set	21*	100.0
		Total Test	53	100.0
6	CS 2	Anchor Set	10	50.0
		Total Test	21	39.6
	CS 3	Anchor Set	10*	50.0
		Total Test	32	60.4
	Total	Anchor Set	20*	100.0
		Total Test	53	100.0
7	CS 2	Anchor Set	9	40.9
		Total Test	21	39.6
	CS 3	Anchor Set	13	59.1
		Total Test	32	60.4
	Total	Anchor Set	22	100.0
		Total Test	53	100.0
8	CS 2	Anchor Set	8	40.0
		Total Test	19*	37.3
	CS 3	Anchor Set	12	60.0
		Total Test	32	62.7
	Total	Anchor Set	20	100.0
		Total Test	51*	100.0

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Table 150. CSAP Item and Anchor Count by Content Standard for Final Calibration Sample: Writing (cont'd)

Grade	Content Standard	Item Set	Number Of Items	Percentage
9	CS 2	Anchor Set	10	47.6
		Total Test	20*	38.5
	CS 3	Anchor Set	11	52.4
		Total Test	32	61.5
	Total	Anchor Set	21	100.0
		Total Test	52*	100.0
10	CS 2	Anchor Set	6	30.0
		Total Test	20	38.5
	CS 3	Anchor Set	14	70.0
		Total Test	32*	61.5
	Total	Anchor Set	20	100.0
		Total Test	52*	100.0

* Content area in which item(s) were removed from the calibration or anchor set. Counts shown in this table do not include removed items.

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Table 151. CSAP Item and Anchor Count by Content Standard for Final Calibration Sample: Mathematics

Grade	Content Standard	Item Set	Number Of Items	Percentage
3	CS 1	Anchor Set	3	17.6
		Total Test	8	20.0
	CS 2/3	Anchor Set	5	29.4
		Total Test	11	27.5
	CS 4/5	Anchor Set	6	35.3
		Total Test	14	35.0
	CS 6	Anchor Set	3	17.6
		Total Test	7	17.5
	Total	Anchor Set	17	100.0
		Total Test	40	100.0
4	CS 1	Anchor Set	3	16.7
		Total Test	14	20.3
	CS 2	Anchor Set	2	11.1
		Total Test	9	13.0
	CS 3	Anchor Set	4	22.2
		Total Test	11	15.9
	CS 4/5	Anchor Set	7	38.9
		Total Test	21	30.4
	CS 6	Anchor Set	2	11.1
		Total Test	14	20.3
	Total	Anchor Set	18	100.0
		Total Test	69	100.0
5	CS 1	Anchor Set	4	20.0
		Total Test	16	23.2
	CS 2	Anchor Set	4	20.0
		Total Test	12	17.4
	CS 3	Anchor Set	4	20.0
		Total Test	11	15.9
	CS 4/5	Anchor Set	4	20.0
		Total Test	14	20.3
	CS 6	Anchor Set	4	20.0
		Total Test	16	23.2
	Total	Anchor Set	20	100.0
		Total Test	69	100.0

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Table 151. CSAP Item and Anchor Count by Content Standard for Final Calibration Sample: Mathematics (cont'd)

Grade	Content Standard	Item Set	Number Of Items	Percentage
6	CS 1	Anchor Set	4	30.8
		Total Test	12	20.0
	CS 2	Anchor Set	2	15.4
		Total Test	10	16.7
	CS 3	Anchor Set	2	15.4
		Total Test	11	18.3
	CS 4/5	Anchor Set	3	23.1
		Total Test	16	26.7
	CS 6	Anchor Set	2	15.4
		Total Test	11	18.3
	Total	Anchor Set	13	100.0
		Total Test	60	100.0
7	CS 1/6	Anchor Set	5	23.8
		Total Test	19	31.7
	CS 2	Anchor Set	5	23.8
		Total Test	12	20.0
	CS 3	Anchor Set	5	23.8
		Total Test	12	20.0
	CS 4/5	Anchor Set	6	28.6
		Total Test	17	28.3
	Total	Anchor Set	21	100.0
		Total Test	60	100.0
8	CS 1/6	Anchor Set	7	33.3
		Total Test	15	25.4
	CS 2	Anchor Set	4	19.0
		Total Test	15	25.4
	CS 3	Anchor Set	5	23.8
		Total Test	12	20.3
	CS 4/5	Anchor Set	5	23.8
		Total Test	17*	28.8
	Total	Anchor Set	21	100.0
		Total Test	59*	100.0

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Table 151. CSAP Item and Anchor Count by Content Standard for Final Calibration Sample: Mathematics (cont'd)

Grade	Content Standard	Item Set	Number Of Items	Percentage
9	CS 1/6	Anchor Set	4	20.0
		Total Test	13	22.0
	CS 2	Anchor Set	6	30.0
		Total Test	16	27.1
	CS 3	Anchor Set	5	25.0
		Total Test	16	27.1
	CS 4/5	Anchor Set	5	25.0
		Total Test	14*	23.7
	Total	Anchor Set	20	100.0
		Total Test	59*	100.0
10	CS 1/6	Anchor Set	4	20.0
		Total Test	14	23.3
	CS 2	Anchor Set	6	30.0
		Total Test	17	28.3
	CS 3	Anchor Set	5	25.0
		Total Test	16	26.7
	CS 4/5	Anchor Set	5	25.0
		Total Test	13	21.7
	Total	Anchor Set	20	100.0
		Total Test	60	100.0

* Content area in which item(s) were removed from the calibration or anchor set. Counts shown in this table do not include removed items.

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Table 152. CSAP Item and Anchor Count by Content Standard for Final Calibration Sample: Science

Grade	Content Standard	Item Set	Number Of Items	Percentage
5	CS 1/5	Anchor Set	8	40.0
		Total Test	30	40.0
	CS 2	Anchor Set	4	20.0
		Total Test	15	20.0
	CS 3	Anchor Set	4	20.0
		Total Test	15	20.0
	CS 4	Anchor Set	4	20.0
		Total Test	15	20.0
	Total	Anchor Set	20	100.0
		Total Test	75	100.0
8	CS 1/5	Anchor Set	10	40.0
		Total Test	33	39.8
	CS 2	Anchor Set	5	20.0
		Total Test	17	20.5
	CS 3	Anchor Set	5	20.0
		Total Test	16	19.3
	CS 4	Anchor Set	5	20.0
		Total Test	17	20.5
	Total	Anchor Set	25	100.0
		Total Test	83	100.0
10	CS 1/5	Anchor Set	10	40.0
		Total Test	32*	40.0
	CS 2	Anchor Set	5	20.0
		Total Test	16	20.0
	CS 3	Anchor Set	5	20.0
		Total Test	15*	18.8
	CS 4	Anchor Set	5	20.0
		Total Test	17	21.3
	Total	Anchor Set	25	100.0
		Total Test	80*	100.0

* Content area in which item(s) were removed from the calibration or anchor set. Counts shown in this table do not include removed items.

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Table 153. CSAP Item and Anchor Count by Content Standard for Final Calibration Sample: Reading and Writing Spanish

Content	Grade	Content Standard	Item Set	Number Of Items	Percentage
Reading Spanish	3	CS 1	Anchor Set	18	100.0
			Total Test	40	100.0
		Total	Anchor Set	18	100.0
			Total Test	40	100.0
	4	CS 1	Anchor Set	7	38.9
			Total Test	31	44.3
		CS 4	Anchor Set	4	22.2
			Total Test	14	20.0
		CS 5	Anchor Set	4	22.2
			Total Test	13	18.6
		CS 6	Anchor Set	3	16.7
			Total Test	12	17.1
		Total	Anchor Set	18	100.0
			Total Test	70	100.0
Writing Spanish	3	CS 2	Anchor Set	5	27.8
			Total Test	21	39.6
		CS 3	Anchor Set	13	72.2
			Total Test	32	60.4
		Total	Anchor Set	18	100.0
			Total Test	53	100.0
	4	CS 2	Anchor Set	4	22.2
			Total Test	19	35.8
		CS 3	Anchor Set	14	77.8
			Total Test	34	64.2
		Total	Anchor Set	18	100.0
			Total Test	53	100.0

* Content area in which item(s) were removed from the calibration or anchor set. Counts shown in this table do not include removed items.

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Table 154. Scale Score Descriptive Statistics by Gender

		Gender								Total			
		Female				Male							
Content Area	Grade	N	Mean	SD	Median	N	Mean	SD	Median	N	Mean	SD	Median
Reading	3	30030	568	73.1	576	31443	551	81.0	562	61483	559	77.7	569
	4	30686	592	58.5	598	31643	579	67.2	589	62331	585	63.4	593
	5	30144	616	62.7	622	31578	604	71.7	615	61724	610	67.7	618
	6	29572	634	60.8	640	30785	618	68.2	628	60359	626	65.2	634
	7	29192	649	62.1	654	30208	631	67.1	640	59402	640	65.3	647
	8	28419	663	55.8	666	29601	642	59.7	647	58026	652	58.7	657
	9	28870	666	48.0	668	30011	651	51.2	655	58886	658	50.2	662
	10	27563	689	50.2	694	28894	670	56.3	676	56463	679	54.3	685
Writing	3	30127	475	53.7	473	31526	459	53.1	460	61655	467	53.9	466
	4	30670	500	51.8	500	31636	483	51.6	485	62308	491	52.4	492
	5	30133	522	54.9	520	31571	501	54.3	502	61706	511	55.6	511
	6	29567	542	59.4	541	30789	517	60.2	519	60358	529	61.1	530
	7	29193	569	66.3	567	30219	539	64.8	541	59414	553	67.2	553
	8	28412	579	71.3	577	29598	549	70.3	551	58016	564	72.3	563
	9	28892	584	77.2	582	30034	553	78.5	557	58931	568	79.4	569
	10	27565	590	71.4	589	28892	559	72.7	560	56463	574	73.7	574
Mathematics	3	30746	458	86.7	461	32118	462	90.6	465	62868	460	88.8	463
	4	30763	492	77.2	495	31745	492	80.3	498	62511	492	78.8	496
	5	30174	521	75.6	524	31626	522	83.0	526	61803	521	79.5	525
	6	29596	540	73.5	544	30818	538	80.9	545	60415	539	77.4	544
	7	29204	560	72.0	564	30268	559	78.7	564	59477	559	75.5	564
	8	28435	576	63.8	579	29625	575	70.6	579	58065	576	67.3	579
	9	28921	576	68.0	581	30094	576	75.5	581	59023	576	71.9	581
	10	27629	590	65.8	595	29004	594	73.4	600	56638	592	69.8	597
Science	5	30172	494	64.6	500	31610	498	69.5	505	61786	496	67.2	502
	8	28386	498	59.6	504	29566	501	65.3	508	57958	500	62.6	506
	10	27593	496	60.0	503	28977	496	68.5	506	56576	496	64.5	504
Reading Spanish	3	618	530	45.8	533	574	513	53.6	517	1192	522	50.4	525
	4	65	535	35.8	539	60	528	29.0	531	125	532	32.7	534
Writing Spanish	3	633	533	70.3	534	589	500	74.8	502	1222	517	74.4	521
	4	65	510	45.8	522	57	505	35.5	507	122	508	41.2	510

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Table 155. Scale Score Descriptive Statistics by Content Standard

		Content Standard											
		1			2			3			4		
Content Area	Grade	Mean	SD	Median	Mean	SD	Median	Mean	SD	Median	Mean	SD	Median
Reading	3	559	77.7	569	.	.	.	.	.	.	.	.	.
	4	586	69.1	593	.	.	.	.	.	.	583	102.9	594
	5	612	78.9	618	.	.	.	.	.	.	614	93.0	619
	6	627	71.4	635	.	.	.	.	.	.	634	93.0	633
	7	640	75.9	646	.	.	.	.	.	.	642	82.0	647
	8	655	70.5	657	.	.	.	.	.	.	655	74.5	658
	9	659	56.6	661	.	.	.	.	.	.	658	65.3	662
	10	679	61.8	684	.	.	.	.	.	.	679	68.1	686
Writing	3	.	.	.	469	62.9	467	480	79.8	466	.	.	.
	4	.	.	.	491	56.0	492	501	73.3	493	.	.	.
	5	.	.	.	512	60.0	510	520	75.6	512	.	.	.
	6	.	.	.	531	67.2	529	534	75.0	530	.	.	.
	7	.	.	.	555	73.6	552	557	78.0	554	.	.	.
	8	.	.	.	565	80.4	562	571	90.0	564	.	.	.
	9	.	.	.	570	87.4	569	573	91.7	569	.	.	.
	10	.	.	.	574	79.7	573	585	100.9	575	.	.	.
Mathematics	3	454	123.7	466	468	113.9	463	.	.	.	464	101.9	462
	4	496	94.2	498	514	132.7	497	501	118.9	497	499	95.0	497
	5	528	97.9	525	526	110.8	526	523	95.0	525	522	98.6	525
	6	536	105.5	545	542	97.9	547	540	96.8	544	536	91.1	545
	7	560	85.8	565	557	94.8	565	549	108.6	565	555	94.5	564
	8	572	82.7	580	577	85.2	579	573	95.5	580	570	85.0	579
	9	561	103.7	581	577	81.4	581	572	85.7	583	572	84.2	580
	10	579	97.7	597	590	83.9	597	591	79.4	598	587	85.3	596
Science	5	497	72.8	502	496	80.6	503	498	82.6	502	497	83.3	503
	8	500	67.7	507	498	78.1	505	499	73.9	506	493	81.4	506
	10	497	68.5	505	488	82.3	502	490	82.1	503	494	78.9	504
Reading Spanish	3	522	50.4	525	.	.	.	.	.	.	.	.	.
	4	534	35.8	536	.	.	.	.	.	.	524	53.1	535
Writing Spanish	3	.	.	.	525	78.2	532	515	85.7	510	.	.	.
	4	.	.	.	498	55.2	504	515	38.3	517	.	.	.

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Table 155. Scale Score Descriptive Statistics by Content Standard (cont'd)

		Content Standard						Total		
		5			6					
Content Area	Grade	Mean	SD	Median	Mean	SD	Median	Mean	SD	Median
Reading	3	.	.	.	.	.	.	559	77.7	569
	4	591	102.2	593	586	82.7	594	585	63.4	593
	5	605	103.9	618	606	90.6	618	610	67.7	618
	6	629	95.2	633	625	83.5	634	626	65.2	634
	7	647	90.5	647	640	82.9	647	640	65.3	647
	8	654	82.6	657	653	74.2	654	652	58.7	657
	9	666	78.0	662	659	65.8	662	658	50.2	662
	10	683	75.5	685	679	72.2	683	679	54.3	685
Writing	3	.	.	.	.	.	.	467	53.9	466
	4	.	.	.	.	.	.	491	52.4	492
	5	.	.	.	.	.	.	511	55.6	511
	6	.	.	.	.	.	.	529	61.1	530
	7	.	.	.	.	.	.	553	67.2	553
	8	.	.	.	.	.	.	564	72.3	563
	9	.	.	.	.	.	.	568	79.4	569
	10	.	.	.	.	.	.	574	73.7	574
Mathematics	3	.	.	.	465	109.8	453	460	88.8	463
	4	.	.	.	500	104.7	498	492	78.8	496
	5	.	.	.	540	116.9	527	521	79.5	525
	6	.	.	.	550	116.6	543	539	77.4	544
	7	.	.	.	.	.	.	559	75.5	564
	8	.	.	.	.	.	.	576	67.3	579
	9	.	.	.	.	.	.	576	71.9	581
	10	.	.	.	.	.	.	592	69.8	597
Science	5	.	.	.	.	.	.	496	67.2	502
	8	.	.	.	.	.	.	500	62.6	506
	10	.	.	.	.	.	.	496	64.5	504
Reading Spanish	3	.	.	.	.	.	.	522	50.4	525
	4	528	56.0	535	530	47.9	530	532	32.7	534
Writing Spanish	3	.	.	.	.	.	.	517	74.4	521
	4	.	.	.	.	.	.	508	41.2	510

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Table 156. Scale Score Descriptive Statistics by Subcontent Area

Content Area	Grade	Subcontent Area 1 Mean	1 SD	1 Med.	2 Mean	2 SD	2 Med.	3 Mean	3 SD	3 Med.	4 Mean	4 SD	4 Med.	5 Mean	5 SD	5 Med.
Reading	3	558	87.9	569	550	110.4	569	586	134.7	566	.	.	.	.	.	.
	4	586	70.7	594	583	93.9	593	612	143.6	594	.	.	.	.	.	.
	5	610	80.6	618	611	79.2	618	642	153.5	623	.	.	.	.	.	.
	6	626	71.7	635	627	83.4	634	663	148.8	634	.	.	.	.	.	.
	7	641	76.6	648	636	102.0	647	669	141.9	647	640	93.9	649	.	.	.
	8	654	72.4	656	655	81.7	657	663	91.9	657	655	92.2	655	.	.	.
	9	664	77.0	662	657	58.8	661	679	108.2	669	655	106.6	665	.	.	.
	10	680	66.6	684	676	75.9	684	693	102.4	687	681	84.8	686	.	.	.
Writing	3	.	.	.	.	.	.	.	.	.	.	.	.	470	64.9	468
	4	.	.	.	.	.	.	.	.	.	.	.	.	492	64.4	493
	5	.	.	.	.	.	.	.	.	.	.	.	.	513	67.3	510
	6	.	.	.	.	.	.	.	.	.	.	.	.	532	76.2	530
	7	.	.	.	.	.	.	.	.	.	.	.	.	554	84.3	553
	8	.	.	.	.	.	.	.	.	.	.	.	.	565	91.1	565
	9	.	.	.	.	.	.	.	.	.	.	.	.	571	96.2	568
	10	.	.	.	.	.	.	.	.	.	.	.	.	576	87.3	576
Mathematics	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	4	494	88.8	498	521	144.2	492	514	124.8	496	.	.	.	.	.	.
	5	531	104.2	524	543	137.7	527	536	124.2	533	.	.	.	.	.	.
	6	536	107.9	546	544	105.2	547	528	118.2	544	.	.	.	.	.	.
	7	564	103.2	567	552	107.6	562	.	.	.	.	.	.	.	.	.
	8	580	98.6	579	562	104.7	580	569	92.0	578	.	.	.	.	.	.
	9	578	81.1	581	553	113.9	581	.	.	.	.	.	.	.	.	.
	10	591	76.0	598	564	125.1	576	.	.	.	.	.	.	.	.	.
Science	5	505	98.6	503	497	83.1	501	.	.	.	.	.	.	.	.	.
	8	499	77.2	507	506	89.2	506	500	90.1	505	.	.	.	497	90.2	511
	10	496	75.1	506	501	82.8	504	.	.	.	485	88.1	499	487	87.6	502
Reading Spanish	3	522	58.9	525	522	64.2	526	520	77.9	526	.	.	.	.	.	.
	4	524	39.4	525	538	33.3	540	557	83.5	548	.	.	.	.	.	.
Writing Spanish	3	.	.	.	.	.	.	.	.	.	.	.	.	541	95.2	556
	4	.	.	.	.	.	.	.	.	.	.	.	.	504	61.4	510

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Table 156. Scale Score Descriptive Statistics by Subcontent Area (cont'd)

Content Area	Grade	Subcontent Area									Total		
		6			7			8					
		Mean	SD	Med.	Mean	SD	Med.	Mean	SD	Med.	Mean	SD	Med.
Reading	3	.	.	.	.	.	.	.	.	.	559	77.7	569
	4	.	.	.	.	.	.	.	.	.	585	63.4	593
	5	.	.	.	.	.	.	.	.	.	610	67.7	618
	6	.	.	.	.	.	.	.	.	.	626	65.2	634
	7	.	.	.	.	.	.	.	.	.	640	65.3	647
	8	.	.	.	.	.	.	.	.	.	652	58.7	657
	9	.	.	.	.	.	.	.	.	.	658	50.2	662
	10	.	.	.	.	.	.	.	.	.	679	54.3	685
Writing	3	.	.	.	492	99.1	470	505	113.9	466	467	53.9	466
	4	498	81.1	471	507	84.0	494	534	131.4	507	491	52.4	492
	5	533	113.1	542	525	88.0	512	542	123.2	517	511	55.6	511
	6	549	120.1	566	535	84.8	530	554	122.1	532	529	61.1	530
	7	573	130.3	500	561	93.3	554	559	99.3	553	553	67.2	553
	8	583	136.5	613	577	105.2	566	588	138.7	566	564	72.3	563
	9	595	153.3	607	581	121.1	570	577	109.8	570	568	79.4	569
	10	592	130.7	577	603	137.1	576	584	156.5	589	574	73.7	574
Mathematics	3	.	.	.	.	.	.	.	.	.	460	88.8	463
	4	.	.	.	.	.	.	.	.	.	492	78.8	496
	5	.	.	.	.	.	.	.	.	.	521	79.5	525
	6	.	.	.	.	.	.	.	.	.	539	77.4	544
	7	.	.	.	.	.	.	.	.	.	559	75.5	564
	8	.	.	.	.	.	.	.	.	.	576	67.3	579
	9	.	.	.	.	.	.	.	.	.	576	71.9	581
	10	.	.	.	.	.	.	.	.	.	592	69.8	597
Science	5	.	.	.	.	.	.	.	.	.	496	67.2	502
	8	492	88.6	506	.	.	.	.	.	.	500	62.6	506
	10	495	80.7	504	.	.	.	.	.	.	496	64.5	504
Reading Spanish	3	.	.	.	.	.	.	.	.	.	522	50.4	525
	4	.	.	.	.	.	.	.	.	.	532	32.7	534
Writing Spanish	3	.	.	.	515	93.7	511	526	126.9	512	517	74.4	521
	4	496	97.0	505	515	62.9	510	496	79.5	510	508	41.2	510

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Table 157. Raw Score Descriptive Statistics by Content Standard

Content Area	Grade	Content Standard 1 Mean	1 SD	1 Med.	1 Mean % of Max	2 Mean	2 SD	2 Med.	2 Mean % of Max	3 Mean	3 SD	3 Med.	3 Mean % of Max	4 Mean	4 SD	4 Med.	4 Mean % of Max
Reading	3	30	9.4	31	57.5	.	.	.	.	.	.	.	.	.	.	.	.
	4	23	6.7	24	61.1	.	.	.	.	.	.	.	.	11	3.8	12	63.9
	5	21	6.3	22	67.7	.	.	.	.	.	.	.	.	13	4.0	14	66.5
	6	19	5.8	20	61.4	.	.	.	.	.	.	.	.	14	4.0	14	68.6
	7	19	6.2	20	61.2	.	.	.	.	.	.	.	.	13	3.8	14	64.6
	8	21	6.0	21	66.4	.	.	.	.	.	.	.	.	13	3.6	14	65.6
	9	19	5.9	19	58.0	.	.	.	.	.	.	.	.	12	4.0	13	58.2
	10	19	6.6	19	57.2	.	.	.	.	.	.	.	.	12	4.1	13	57.5
Writing	3	.	.	.	.	18	3.9	19	75.0	26	5.8	28	81.4	.	.	.	.
	4	.	.	.	.	24	5.0	24	65.4	27	5.1	28	81.3	.	.	.	.
	5	.	.	.	.	25	5.3	25	68.3	26	5.4	28	79.2	.	.	.	.
	6	.	.	.	.	25	5.5	26	69.7	24	5.8	25	72.9	.	.	.	.
	7	.	.	.	.	24	5.2	24	66.1	22	5.8	23	67.9	.	.	.	.
	8	.	.	.	.	22	4.8	23	66.1	25	5.6	26	75.3	.	.	.	.
	9	.	.	.	.	23	5.5	24	67.1	23	6.4	24	70.1	.	.	.	.
	10	.	.	.	.	23	5.6	23	64.7	26	5.8	27	77.8	.	.	.	.
Mathematics	3	5	2.4	6	54.9	9	3.1	10	68.4	.	.	.	.	11	3.5	12	66.1
	4	14	3.9	14	68.1	10	3.5	11	70.4	9	3.4	10	65.9	21	5.5	22	71.2
	5	13	3.9	13	66.6	13	4.4	14	68.9	11	3.9	12	59.9	11	4.7	11	54.9
	6	9	4.3	9	52.8	10	3.5	11	61.6	10	3.8	10	57.3	12	4.7	12	53.4
	7	14	6.0	14	54.2	9	3.5	9	51.3	7	3.6	7	41.1	12	6.2	11	44.5
	8	10	5.1	10	46.2	12	5.1	12	54.1	8	3.9	8	48.3	11	5.3	10	42.6
	9	6	3.4	6	37.0	13	5.4	12	52.5	10	4.7	10	45.1	8	4.5	7	37.7
	10	7	3.6	6	38.5	11	5.3	10	46.1	11	4.0	10	44.3	8	5.3	7	35.8
Science	5	20	6.9	21	57.6	10	3.3	10	53.5	10	3.2	10	59.4	10	3.4	10	56.1
	8	23	7.9	24	58.1	10	3.9	10	49.8	10	3.3	10	48.5	8	3.4	8	40.0
	10	21	7.5	22	54.3	7	3.6	7	37.3	7	3.3	7	40.9	10	3.7	10	45.5
Reading Spanish	3	30	10.1	32	58.6	.	.	.	.	.	.	.	.	.	.	.	.
	4	23	6.3	24	63.1	.	.	.	.	.	.	.	.	9	3.0	9	49.2
Writing Spanish	3	.	.	.	.	16	4.5	17	68.0	24	6.0	25	73.7	.	.	.	.
	4	.	.	.	.	18	5.2	18	51.5	19	5.6	19	55.1	.	.	.	.

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Table 157. Raw Score Descriptive Statistics by Content Standard (cont'd)

		Content Standard								Total			
		5				6							
Content Area	Grade	Mean	SD	Med.	Mean % of Max	Mean	SD	Med.	Mean % of Max	Mean	SD	Med.	Mean % of Max
Reading	3	.	.	.	.	.	.	.	.	30	9.4	31	57.5
	4	12	4.0	12	64.4	10	3.2	10	57.8	55	16.3	59	61.6
	5	11	4.3	12	55.9	10	3.8	10	49.4	55	16.7	58	60.8
	6	13	4.3	13	63.8	10	3.8	11	54.1	56	16.1	58	62.0
	7	14	3.9	15	70.6	11	3.8	12	57.0	57	16.2	60	63.1
	8	12	4.2	13	62.3	11	4.0	11	54.6	57	16.1	59	62.8
	9	14	4.3	15	68.9	12	3.6	12	59.2	57	16.3	59	60.7
	10	14	4.2	15	66.3	12	4.5	12	56.7	57	17.8	59	59.1
Writing	3	.	.	.	.	.	.	.	.	44	9.3	47	78.6
	4	.	.	.	.	.	.	.	.	50	9.5	52	73.0
	5	.	.	.	.	.	.	.	.	51	10.1	53	73.5
	6	.	.	.	.	.	.	.	.	49	10.8	51	71.2
	7	.	.	.	.	.	.	.	.	46	10.3	47	66.9
	8	.	.	.	.	.	.	.	.	47	9.6	49	70.6
	9	.	.	.	.	.	.	.	.	47	11.3	49	68.5
	10	.	.	.	.	.	.	.	.	48	10.6	50	71.0
Mathematics	3	.	.	.	.	7	2.1	7	69.7	33	9.9	34	65.1
	4	.	.	.	.	13	4.2	14	68.5	66	18.5	70	69.2
	5	.	.	.	.	14	3.8	15	75.7	62	18.5	65	65.1
	6	.	.	.	.	9	3.0	9	66.3	50	17.2	51	57.6
	7	.	.	.	.	.	.	.	.	42	17.7	40	48.0
	8	.	.	.	.	.	.	.	.	41	18.0	39	47.6
	9	.	.	.	.	.	.	.	.	37	16.5	35	43.7
	10	.	.	.	.	.	.	.	.	36	16.7	33	41.4
Science	5	.	.	.	.	.	.	.	.	50	15.1	51	56.8
	8	.	.	.	.	.	.	.	.	51	16.5	51	50.8
	10	.	.	.	.	.	.	.	.	45	16.0	45	46.6
Reading Spanish	3	.	.	.	.	.	.	.	.	30	10.1	32	58.6
	4	9	3.1	10	51.8	9	3.1	8	49.6	50	13.6	52	55.4
Writing Spanish	3	.	.	.	.	.	.	.	.	40	10.0	42	71.2
	4	.	.	.	.	.	.	.	.	37	9.8	37	53.4

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Table 158. Raw Score Descriptive Statistics by Subcontent Area

		Subcontent Area																			
		1				2				3				4				5			
Content Area	Grade	Mean	SD	Med.	Mean % of Max	Mean	SD	Med.	Mean % of Max	Mean	SD	Med.	Mean % of Max	Mean	SD	Med.	Mean % of Max	Mean	SD	Med.	Mean % of Max
Reading	3	14	5.0	14	51.4	8	3.1	9	56.6	7	2.3	8	74.9	.	.	.	.	.	.	.	.
	4	22	6.9	23	57.0	14	4.6	15	62.8	8	2.3	8	71.8	.	.	.	.	.	.	.	.
	5	17	5.3	18	58.3	20	6.6	21	62.4	7	2.1	8	73.0	.	.	.	.	.	.	.	.
	6	20	6.0	21	57.8	16	5.1	16	62.0	8	2.5	8	71.8	.	.	.	.	.	.	.	.
	7	19	5.8	20	61.8	10	3.8	10	57.4	7	2.3	7	69.3	8	2.	8	57.7	.	.	.	.
	8	14	4.4	14	60.1	13	4.5	14	62.7	10	2.8	11	69.2	7	2.	8	60.6	.	.	.	.
	9	12	3.4	13	67.9	17	6.4	17	49.3	9	2.3	9	72.1	6	2.	6	58.4	.	.	.	.
	10	16	5.7	17	57.8	11	5.0	11	50.0	9	2.7	9	67.2	8	2.	8	60.2	.	.	.	.
Writing	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	17	3.6	17	76.0
	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	13	3.3	13	61.0
	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	13	3.1	13	65.0
	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	13	3.2	14	67.2
	7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	11	2.9	11	60.3
	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	11	2.9	12	60.1
	9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	13	3.6	14	63.6
	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	16	4.4	16	63.1
Mathematics	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	4	16	5.2	17	64.7	8	2.9	8	70.4	10	2.9	11	74.3	.	.	.	.	.	.	.	.
	5	13	3.8	14	70.0	10	3.6	11	71.4	5	1.7	5	64.4	.	.	.	.	.	.	.	.
	6	8	3.8	8	52.7	9	3.1	9	62.4	5	2.9	5	46.8	.	.	.	.	.	.	.	.
	7	6	3.1	6	50.1	6	4.0	5	38.0	.	.	.	.	.	.	.	.	.	.	.	.
	8	7	3.1	7	54.4	5	2.5	5	40.7	6	3.8	5	36.7	.	.	.	.	.	.	.	.
	9	10	4.6	10	52.0	5	3.0	4	33.5	.	.	.	.	.	.	.	.	.	.	.	.
	10	11	5.4	11	43.0	2	1.5	2	26.0	.	.	.	.	.	.	.	.	.	.	.	.
Science	5	8	2.9	8	61.2	10	3.7	10	55.0	.	.	.	.	.	.	.	.	.	.	.	.
	8	11	4.1	11	54.6	12	4.2	12	62.0	6	2.4	6	51.4	.	.	.	.	4	1.8	4	42.0
	10	10	4.0	11	52.0	9	3.6	10	57.3	.	.	.	.	5	2.	4	34.9	5	2.6	5	37.9
Reading Spanish	3	15	5.1	16	61.4	9	3.7	9	55.0	7	2.6	7	58.1	.	.	.	.	.	.	.	.
	4	19	6.7	19	49.4	14	3.8	15	60.3	8	2.0	8	72.1	.	.	.	.	.	.	.	.
Writing Spanish	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	11	3.5	12	71.3
	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	9	3.0	8	47.3

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Table 158. Raw Score Descriptive Statistics by Subcontent Area (cont'd)

		Subcontent Area												Total			
		6				7				8							
Content Area	Grade	Mean	SD	Med.	Mean % of Max	Mean	SD	Med.	Mean % of Max	Mean	SD	Med.	Mean % of Max	Mean	SD	Med.	Mean % of Max
Reading	3	.	.	.	.	.	.	.	.	.	.	.	.	30	9.4	31	57.5
	4	.	.	.	.	.	.	.	.	.	.	.	.	55	16.3	59	61.6
	5	.	.	.	.	.	.	.	.	.	.	.	.	55	16.7	58	60.8
	6	.	.	.	.	.	.	.	.	.	.	.	.	56	16.1	58	62.0
	7	.	.	.	.	.	.	.	.	.	.	.	.	57	16.2	60	63.1
	8	.	.	.	.	.	.	.	.	.	.	.	.	57	16.1	59	62.8
	9	.	.	.	.	.	.	.	.	.	.	.	.	57	16.3	59	60.7
	10	.	.	.	.	.	.	.	.	.	.	.	.	57	17.8	59	59.1
Writing	3	.	.	.	.	12	2.9	13	80.3	11	2.9	12	81.2	44	9.3	47	78.6
	4	7	1.8	7	67.8	20	3.7	21	82.1	5	1.6	6	75.5	50	9.5	52	73.0
	5	8	1.9	9	74.0	19	4.2	20	78.8	8	2.3	9	76.2	51	10.1	53	73.5
	6	8	1.7	9	74.5	17	4.6	18	71.3	9	2.6	9	72.7	49	10.8	51	71.2
	7	8	1.8	7	72.3	19	4.8	20	71.9	6	2.4	7	58.9	46	10.3	47	66.9
	8	8	1.6	9	75.1	17	4.1	18	75.9	9	2.7	9	70.9	47	9.6	49	70.6
	9	8	1.6	9	76.3	14	4.5	15	70.4	11	3.2	11	67.4	47	11.3	49	68.5
	10	8	1.7	8	71.7	21	4.9	23	81.2	4	1.4	4	59.1	48	10.6	50	71.0
Mathematics	3	.	.	.	.	.	.	.	.	.	.	.	.	33	9.9	34	65.1
	4	.	.	.	.	.	.	.	.	.	.	.	.	66	18.5	70	69.2
	5	.	.	.	.	.	.	.	.	.	.	.	.	62	18.5	65	65.1
	6	.	.	.	.	.	.	.	.	.	.	.	.	50	17.2	51	57.6
	7	.	.	.	.	.	.	.	.	.	.	.	.	42	17.7	40	48.0
	8	.	.	.	.	.	.	.	.	.	.	.	.	41	18.0	39	47.6
	9	.	.	.	.	.	.	.	.	.	.	.	.	37	16.5	35	43.7
	10	.	.	.	.	.	.	.	.	.	.	.	.	36	16.7	33	41.4
Science	5	.	.	.	.	.	.	.	.	.	.	.	.	50	15.1	51	56.8
	8	5	2.3	5	38.4	.	.	.	.	.	.	.	.	51	16.5	51	50.8
	10	8	3.2	8	46.7	.	.	.	.	.	.	.	.	45	16.0	45	46.6
Reading Spanish	3	.	.	.	.	.	.	.	.	.	.	.	.	30	10.1	32	58.6
	4	.	.	.	.	.	.	.	.	.	.	.	.	50	13.6	52	55.4
Writing Spanish	3	.	.	.	.	15	3.7	16	74.3	7	2.5	7	69.1	40	10.0	42	71.2
	4	6	2.7	6	51.8	11	3.6	11	58.7	7	2.8	6	47.2	37	9.8	37	53.4

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Table 159. Scale Score Distribution, Reading Grade 3

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
150	494	0.80	494	0.80	**298**	9	0.01	614	1.00	**345**	9	0.01	886	1.44
181	1	0.00	495	0.81	**299**	1	0.00	615	1.00	**346**	11	0.02	897	1.46
190	1	0.00	496	0.81	**300**	4	0.01	619	1.01	**347**	6	0.01	903	1.47
196	1	0.00	497	0.81	**301**	1	0.00	620	1.01	**348**	6	0.01	909	1.48
214	1	0.00	498	0.81	**302**	5	0.01	625	1.02	**349**	6	0.01	915	1.49
219	1	0.00	499	0.81	**303**	4	0.01	629	1.02	**350**	11	0.02	926	1.51
227	2	0.00	501	0.81	**304**	6	0.01	635	1.03	**351**	10	0.02	936	1.52
235	2	0.00	503	0.82	**305**	5	0.01	640	1.04	**352**	11	0.02	947	1.54
236	1	0.00	504	0.82	**306**	7	0.01	647	1.05	**353**	18	0.03	965	1.57
240	1	0.00	505	0.82	**307**	7	0.01	654	1.06	**354**	9	0.01	974	1.58
242	1	0.00	506	0.82	**308**	7	0.01	661	1.08	**355**	5	0.01	979	1.59
252	1	0.00	507	0.82	**309**	7	0.01	668	1.09	**356**	7	0.01	986	1.60
253	1	0.00	508	0.83	**310**	8	0.01	676	1.10	**357**	6	0.01	992	1.61
256	1	0.00	509	0.83	**311**	3	0.00	679	1.10	**358**	14	0.02	1006	1.64
257	2	0.00	511	0.83	**312**	3	0.00	682	1.11	**359**	12	0.02	1018	1.66
262	3	0.00	514	0.84	**313**	3	0.00	685	1.11	**360**	14	0.02	1032	1.68
263	2	0.00	516	0.84	**314**	3	0.00	688	1.12	**361**	14	0.02	1046	1.70
265	2	0.00	518	0.84	**315**	2	0.00	690	1.12	**362**	14	0.02	1060	1.72
266	2	0.00	520	0.85	**316**	6	0.01	696	1.13	**363**	21	0.03	1081	1.76
267	3	0.00	523	0.85	**317**	6	0.01	702	1.14	**364**	16	0.03	1097	1.78
269	1	0.00	524	0.85	**318**	2	0.00	704	1.15	**365**	11	0.02	1108	1.80
270	2	0.00	526	0.86	**319**	8	0.01	712	1.16	**366**	10	0.02	1118	1.82
271	1	0.00	527	0.86	**320**	5	0.01	717	1.17	**367**	11	0.02	1129	1.84
272	2	0.00	529	0.86	**321**	4	0.01	721	1.17	**368**	7	0.01	1136	1.85
273	6	0.01	535	0.87	**322**	3	0.00	724	1.18	**369**	11	0.02	1147	1.87
274	2	0.00	537	0.87	**323**	3	0.00	727	1.18	**370**	24	0.04	1171	1.90
275	3	0.00	540	0.88	**324**	1	0.00	728	1.18	**371**	20	0.03	1191	1.94
277	5	0.01	545	0.89	**325**	13	0.02	741	1.21	**372**	17	0.03	1208	1.96
278	2	0.00	547	0.89	**326**	8	0.01	749	1.22	**373**	19	0.03	1227	2.00
279	4	0.01	551	0.90	**327**	8	0.01	757	1.23	**374**	25	0.04	1252	2.04
280	4	0.01	555	0.90	**328**	7	0.01	764	1.24	**375**	18	0.03	1270	2.07
281	2	0.00	557	0.91	**329**	5	0.01	769	1.25	**376**	24	0.04	1294	2.10
282	4	0.01	561	0.91	**330**	5	0.01	774	1.26	**377**	15	0.02	1309	2.13
283	7	0.01	568	0.92	**331**	7	0.01	781	1.27	**378**	20	0.03	1329	2.16
284	2	0.00	570	0.93	**332**	7	0.01	788	1.28	**379**	22	0.04	1351	2.20
285	5	0.01	575	0.94	**333**	7	0.01	795	1.29	**380**	16	0.03	1367	2.22
286	5	0.01	580	0.94	**334**	10	0.02	805	1.31	**381**	21	0.03	1388	2.26
287	1	0.00	581	0.94	**335**	6	0.01	811	1.32	**382**	23	0.04	1411	2.29
288	4	0.01	585	0.95	**336**	5	0.01	816	1.33	**383**	19	0.03	1430	2.33
289	2	0.00	587	0.95	**337**	6	0.01	822	1.34	**384**	21	0.03	1451	2.36
291	1	0.00	588	0.96	**338**	8	0.01	830	1.35	**385**	18	0.03	1469	2.39
292	3	0.00	591	0.96	**339**	6	0.01	836	1.36	**386**	16	0.03	1485	2.42
293	5	0.01	596	0.97	**340**	6	0.01	842	1.37	**387**	26	0.04	1511	2.46
294	2	0.00	598	0.97	**341**	8	0.01	850	1.38	**388**	20	0.03	1531	2.49
295	3	0.00	601	0.98	**342**	15	0.02	865	1.41	**389**	28	0.05	1559	2.54
296	1	0.00	602	0.98	**343**	9	0.01	874	1.42	**390**	35	0.06	1594	2.59
297	3	0.00	605	0.98	**344**	3	0.00	877	1.43	**391**	20	0.03	1614	2.63

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Table 159. Scale Score Distribution, Reading Grade 3 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
392	36	0.06	1650	2.68	**439**	56	0.09	3618	5.88	**486**	164	0.27	8295	13.49
393	27	0.04	1677	2.73	**440**	49	0.08	3667	5.96	**487**	139	0.23	8434	13.72
394	24	0.04	1701	2.77	**441**	65	0.11	3732	6.07	**488**	136	0.22	8570	13.94
395	23	0.04	1724	2.80	**442**	63	0.10	3795	6.17	**489**	160	0.26	8730	14.20
396	23	0.04	1747	2.84	**443**	56	0.09	3851	6.26	**490**	192	0.31	8922	14.51
397	29	0.05	1776	2.89	**444**	70	0.11	3921	6.38	**491**	159	0.26	9081	14.77
398	29	0.05	1805	2.94	**445**	58	0.09	3979	6.47	**492**	169	0.27	9250	15.04
399	33	0.05	1838	2.99	**446**	74	0.12	4053	6.59	**493**	172	0.28	9422	15.32
400	33	0.05	1871	3.04	**447**	77	0.13	4130	6.72	**494**	164	0.27	9586	15.59
401	35	0.06	1906	3.10	**448**	78	0.13	4208	6.84	**495**	164	0.27	9750	15.86
402	25	0.04	1931	3.14	**449**	73	0.12	4281	6.96	**496**	187	0.30	9937	16.16
403	25	0.04	1956	3.18	**450**	84	0.14	4365	7.10	**497**	173	0.28	10110	16.44
404	35	0.06	1991	3.24	**451**	71	0.12	4436	7.22	**498**	202	0.33	10312	16.77
405	36	0.06	2027	3.30	**452**	77	0.13	4513	7.34	**499**	191	0.31	10503	17.08
406	31	0.05	2058	3.35	**453**	101	0.16	4614	7.50	**500**	206	0.34	10709	17.42
407	34	0.06	2092	3.40	**454**	84	0.14	4698	7.64	**501**	182	0.30	10891	17.71
408	35	0.06	2127	3.46	**455**	82	0.13	4780	7.77	**502**	184	0.30	11075	18.01
409	35	0.06	2162	3.52	**456**	65	0.11	4845	7.88	**503**	203	0.33	11278	18.34
410	35	0.06	2197	3.57	**457**	95	0.15	4940	8.03	**504**	214	0.35	11492	18.69
411	43	0.07	2240	3.64	**458**	82	0.13	5022	8.17	**505**	220	0.36	11712	19.05
412	38	0.06	2278	3.71	**459**	89	0.14	5111	8.31	**506**	210	0.34	11922	19.39
413	31	0.05	2309	3.76	**460**	78	0.13	5189	8.44	**507**	201	0.33	12123	19.72
414	50	0.08	2359	3.84	**461**	99	0.16	5288	8.60	**508**	195	0.32	12318	20.03
415	34	0.06	2393	3.89	**462**	73	0.12	5361	8.72	**509**	216	0.35	12534	20.39
416	53	0.09	2446	3.98	**463**	91	0.15	5452	8.87	**510**	220	0.36	12754	20.74
417	34	0.06	2480	4.03	**464**	107	0.17	5559	9.04	**511**	217	0.35	12971	21.10
418	55	0.09	2535	4.12	**465**	108	0.18	5667	9.22	**512**	228	0.37	13199	21.47
419	40	0.07	2575	4.19	**466**	95	0.15	5762	9.37	**513**	216	0.35	13415	21.82
420	33	0.05	2608	4.24	**467**	105	0.17	5867	9.54	**514**	248	0.40	13663	22.22
421	47	0.08	2655	4.32	**468**	103	0.17	5970	9.71	**515**	258	0.42	13921	22.64
422	50	0.08	2705	4.40	**469**	109	0.18	6079	9.89	**516**	245	0.40	14166	23.04
423	30	0.05	2735	4.45	**470**	122	0.20	6201	10.09	**517**	246	0.40	14412	23.44
424	48	0.08	2783	4.53	**471**	112	0.18	6313	10.27	**518**	222	0.36	14634	23.80
425	53	0.09	2836	4.61	**472**	116	0.19	6429	10.46	**519**	238	0.39	14872	24.19
426	51	0.08	2887	4.70	**473**	105	0.17	6534	10.63	**520**	256	0.42	15128	24.61
427	50	0.08	2937	4.78	**474**	114	0.19	6648	10.81	**521**	287	0.47	15415	25.07
428	61	0.10	2998	4.88	**475**	120	0.20	6768	11.01	**522**	249	0.40	15664	25.48
429	39	0.06	3037	4.94	**476**	136	0.22	6904	11.23	**523**	289	0.47	15953	25.95
430	48	0.08	3085	5.02	**477**	147	0.24	7051	11.47	**524**	255	0.41	16208	26.36
431	54	0.09	3139	5.11	**478**	137	0.22	7188	11.69	**525**	264	0.43	16472	26.79
432	57	0.09	3196	5.20	**479**	137	0.22	7325	11.91	**526**	272	0.44	16744	27.23
433	63	0.10	3259	5.30	**480**	122	0.20	7447	12.11	**527**	262	0.43	17006	27.66
434	64	0.10	3323	5.40	**481**	128	0.21	7575	12.32	**528**	274	0.45	17280	28.11
435	67	0.11	3390	5.51	**482**	150	0.24	7725	12.56	**529**	289	0.47	17569	28.58
436	55	0.09	3445	5.60	**483**	129	0.21	7854	12.77	**530**	273	0.44	17842	29.02
437	57	0.09	3502	5.70	**484**	150	0.24	8004	13.02	**531**	288	0.47	18130	29.49
438	60	0.10	3562	5.79	**485**	127	0.21	8131	13.22	**532**	304	0.49	18434	29.98

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Table 159. Scale Score Distribution, Reading Grade 3 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
533	283	0.46	18717	30.44	**580**	412	0.67	35242	57.32	**627**	265	0.43	51907	84.42
534	266	0.43	18983	30.88	**581**	361	0.59	35603	57.91	**628**	282	0.46	52189	84.88
535	336	0.55	19319	31.42	**582**	419	0.68	36022	58.59	**629**	282	0.46	52471	85.34
536	284	0.46	19603	31.88	**583**	388	0.63	36410	59.22	**630**	274	0.45	52745	85.79
537	286	0.47	19889	32.35	**584**	406	0.66	36816	59.88	**631**	266	0.43	53011	86.22
538	313	0.51	20202	32.86	**585**	399	0.65	37215	60.53	**632**	244	0.40	53255	86.62
539	310	0.50	20512	33.36	**586**	379	0.62	37594	61.15	**633**	273	0.44	53528	87.06
540	271	0.44	20783	33.80	**587**	399	0.65	37993	61.79	**634**	243	0.40	53771	87.46
541	333	0.54	21116	34.34	**588**	438	0.71	38431	62.51	**635**	248	0.40	54019	87.86
542	307	0.50	21423	34.84	**589**	371	0.60	38802	63.11	**636**	232	0.38	54251	88.24
543	298	0.48	21721	35.33	**590**	347	0.56	39149	63.67	**637**	208	0.34	54459	88.58
544	333	0.54	22054	35.87	**591**	409	0.67	39558	64.34	**638**	218	0.35	54677	88.93
545	360	0.59	22414	36.46	**592**	380	0.62	39938	64.96	**639**	226	0.37	54903	89.30
546	331	0.54	22745	36.99	**593**	344	0.56	40282	65.52	**640**	211	0.34	55114	89.64
547	322	0.52	23067	37.52	**594**	418	0.68	40700	66.20	**641**	223	0.36	55337	90.00
548	344	0.56	23411	38.08	**595**	365	0.59	41065	66.79	**642**	198	0.32	55535	90.33
549	336	0.55	23747	38.62	**596**	388	0.63	41453	67.42	**643**	199	0.32	55734	90.65
550	323	0.53	24070	39.15	**597**	374	0.61	41827	68.03	**644**	218	0.35	55952	91.00
551	346	0.56	24416	39.71	**598**	384	0.62	42211	68.65	**645**	173	0.28	56125	91.29
552	360	0.59	24776	40.30	**599**	381	0.62	42592	69.27	**646**	174	0.28	56299	91.57
553	365	0.59	25141	40.89	**600**	382	0.62	42974	69.90	**647**	179	0.29	56478	91.86
554	352	0.57	25493	41.46	**601**	380	0.62	43354	70.51	**648**	186	0.30	56664	92.16
555	338	0.55	25831	42.01	**602**	344	0.56	43698	71.07	**649**	168	0.27	56832	92.44
556	369	0.60	26200	42.61	**603**	377	0.61	44075	71.69	**650**	165	0.27	56997	92.70
557	380	0.62	26580	43.23	**604**	368	0.60	44443	72.29	**651**	169	0.27	57166	92.98
558	360	0.59	26940	43.82	**605**	368	0.60	44811	72.88	**652**	146	0.24	57312	93.22
559	371	0.60	27311	44.42	**606**	366	0.60	45177	73.48	**653**	120	0.20	57432	93.41
560	384	0.62	27695	45.04	**607**	310	0.50	45487	73.98	**654**	146	0.24	57578	93.65
561	345	0.56	28040	45.61	**608**	400	0.65	45887	74.63	**655**	151	0.25	57729	93.89
562	345	0.56	28385	46.17	**609**	348	0.57	46235	75.20	**656**	139	0.23	57868	94.12
563	363	0.59	28748	46.76	**610**	387	0.63	46622	75.83	**657**	143	0.23	58011	94.35
564	403	0.66	29151	47.41	**611**	334	0.54	46956	76.37	**658**	146	0.24	58157	94.59
565	382	0.62	29533	48.03	**612**	340	0.55	47296	76.93	**659**	138	0.22	58295	94.81
566	368	0.60	29901	48.63	**613**	315	0.51	47611	77.44	**660**	100	0.16	58395	94.98
567	369	0.60	30270	49.23	**614**	328	0.53	47939	77.97	**661**	115	0.19	58510	95.16
568	387	0.63	30657	49.86	**615**	329	0.54	48268	78.51	**662**	107	0.17	58617	95.34
569	377	0.61	31034	50.48	**616**	358	0.58	48626	79.09	**663**	103	0.17	58720	95.51
570	364	0.59	31398	51.07	**617**	317	0.52	48943	79.60	**664**	95	0.15	58815	95.66
571	399	0.65	31797	51.72	**618**	296	0.48	49239	80.09	**665**	99	0.16	58914	95.82
572	369	0.60	32166	52.32	**619**	328	0.53	49567	80.62	**666**	121	0.20	59035	96.02
573	391	0.64	32557	52.95	**620**	346	0.56	49913	81.18	**667**	89	0.14	59124	96.16
574	359	0.58	32916	53.54	**621**	283	0.46	50196	81.64	**668**	84	0.14	59208	96.30
575	379	0.62	33295	54.15	**622**	285	0.46	50481	82.11	**669**	88	0.14	59296	96.44
576	351	0.57	33646	54.72	**623**	282	0.46	50763	82.56	**670**	68	0.11	59364	96.55
577	401	0.65	34047	55.38	**624**	269	0.44	51032	83.00	**671**	91	0.15	59455	96.70
578	384	0.62	34431	56.00	**625**	308	0.50	51340	83.50	**672**	78	0.13	59533	96.83
579	399	0.65	34830	56.65	**626**	302	0.49	51642	83.99	**673**	75	0.12	59608	96.95

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Table 159. Scale Score Distribution, Reading Grade 3 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
674	68	0.11	59676	97.06	**721**	15	0.02	61221	99.57	**772**	2	0.00	61440	99.93
675	84	0.14	59760	97.20	**722**	17	0.03	61238	99.60	**773**	5	0.01	61445	99.94
676	67	0.11	59827	97.31	**723**	9	0.01	61247	99.62	**774**	3	0.00	61448	99.94
677	70	0.11	59897	97.42	**724**	10	0.02	61257	99.63	**775**	2	0.00	61450	99.95
678	64	0.10	59961	97.52	**725**	9	0.01	61266	99.65	**776**	1	0.00	61451	99.95
679	54	0.09	60015	97.61	**726**	6	0.01	61272	99.66	**777**	1	0.00	61452	99.95
680	55	0.09	60070	97.70	**727**	7	0.01	61279	99.67	**778**	1	0.00	61453	99.95
681	58	0.09	60128	97.80	**728**	10	0.02	61289	99.68	**779**	1	0.00	61454	99.95
682	48	0.08	60176	97.87	**729**	8	0.01	61297	99.70	**781**	1	0.00	61455	99.95
683	46	0.07	60222	97.95	**730**	6	0.01	61303	99.71	**783**	1	0.00	61456	99.96
684	54	0.09	60276	98.04	**731**	9	0.01	61312	99.72	**784**	2	0.00	61458	99.96
685	49	0.08	60325	98.12	**732**	9	0.01	61321	99.74	**786**	1	0.00	61459	99.96
686	55	0.09	60380	98.21	**733**	4	0.01	61325	99.74	**793**	1	0.00	61460	99.96
687	47	0.08	60427	98.28	**734**	6	0.01	61331	99.75	**795**	23	0.04	61483	100.00
688	36	0.06	60463	98.34	**735**	3	0.00	61334	99.76					
689	36	0.06	60499	98.40	**736**	12	0.02	61346	99.78					
690	45	0.07	60544	98.47	**737**	3	0.00	61349	99.78					
691	44	0.07	60588	98.54	**738**	5	0.01	61354	99.79					
692	47	0.08	60635	98.62	**739**	6	0.01	61360	99.80					
693	30	0.05	60665	98.67	**740**	8	0.01	61368	99.81					
694	36	0.06	60701	98.73	**741**	6	0.01	61374	99.82					
695	28	0.05	60729	98.77	**742**	5	0.01	61379	99.83					
696	22	0.04	60751	98.81	**743**	5	0.01	61384	99.84					
697	34	0.06	60785	98.86	**744**	3	0.00	61387	99.84					
698	31	0.05	60816	98.92	**745**	2	0.00	61389	99.85					
699	19	0.03	60835	98.95	**746**	2	0.00	61391	99.85					
700	28	0.05	60863	98.99	**747**	1	0.00	61392	99.85					
701	20	0.03	60883	99.02	**748**	1	0.00	61393	99.85					
702	17	0.03	60900	99.05	**749**	2	0.00	61395	99.86					
703	21	0.03	60921	99.09	**750**	4	0.01	61399	99.86					
704	15	0.02	60936	99.11	**751**	2	0.00	61401	99.87					
705	23	0.04	60959	99.15	**752**	4	0.01	61405	99.87					
706	29	0.05	60988	99.19	**753**	1	0.00	61406	99.87					
707	17	0.03	61005	99.22	**754**	4	0.01	61410	99.88					
708	20	0.03	61025	99.26	**755**	3	0.00	61413	99.89					
709	19	0.03	61044	99.29	**756**	2	0.00	61415	99.89					
710	13	0.02	61057	99.31	**757**	2	0.00	61417	99.89					
711	25	0.04	61082	99.35	**758**	2	0.00	61419	99.90					
712	20	0.03	61102	99.38	**759**	3	0.00	61422	99.90					
713	9	0.01	61111	99.39	**760**	2	0.00	61424	99.90					
714	13	0.02	61124	99.42	**762**	3	0.00	61427	99.91					
715	15	0.02	61139	99.44	**763**	1	0.00	61428	99.91					
716	11	0.02	61150	99.46	**764**	2	0.00	61430	99.91					
717	16	0.03	61166	99.48	**765**	2	0.00	61432	99.92					
718	14	0.02	61180	99.51	**767**	2	0.00	61434	99.92					
719	15	0.02	61195	99.53	**768**	2	0.00	61436	99.92					
720	11	0.02	61206	99.55	**769**	2	0.00	61438	99.93					

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Table 160. Scale Score Distribution, Reading Grade 3 (Spanish)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
300	14	1.17	14	1.17	**463**	4	0.34	121	10.15	**510**	10	0.84	428	35.91
359	1	0.08	15	1.26	**464**	2	0.17	123	10.32	**511**	11	0.92	439	36.83
380	1	0.08	16	1.34	**465**	7	0.59	130	10.91	**512**	10	0.84	449	37.67
383	1	0.08	17	1.43	**466**	1	0.08	131	10.99	**513**	11	0.92	460	38.59
387	1	0.08	18	1.51	**467**	2	0.17	133	11.16	**514**	9	0.76	469	39.35
394	1	0.08	19	1.59	**468**	7	0.59	140	11.74	**515**	11	0.92	480	40.27
399	2	0.17	21	1.76	**469**	3	0.25	143	12.00	**516**	15	1.26	495	41.53
402	1	0.08	22	1.85	**470**	4	0.34	147	12.33	**517**	14	1.17	509	42.70
406	1	0.08	23	1.93	**471**	8	0.67	155	13.00	**518**	15	1.26	524	43.96
408	2	0.17	25	2.10	**472**	4	0.34	159	13.34	**519**	5	0.42	529	44.38
416	1	0.08	26	2.18	**473**	6	0.50	165	13.84	**520**	13	1.09	542	45.47
417	1	0.08	27	2.27	**474**	2	0.17	167	14.01	**521**	12	1.01	554	46.48
418	1	0.08	28	2.35	**475**	7	0.59	174	14.60	**522**	16	1.34	570	47.82
425	1	0.08	29	2.43	**476**	8	0.67	182	15.27	**523**	10	0.84	580	48.66
426	1	0.08	30	2.52	**477**	6	0.50	188	15.77	**524**	12	1.01	592	49.66
427	2	0.17	32	2.68	**478**	3	0.25	191	16.02	**525**	10	0.84	602	50.50
428	1	0.08	33	2.77	**479**	9	0.76	200	16.78	**526**	15	1.26	617	51.76
429	1	0.08	34	2.85	**480**	4	0.34	204	17.11	**527**	13	1.09	630	52.85
430	1	0.08	35	2.94	**481**	7	0.59	211	17.70	**528**	11	0.92	641	53.78
431	2	0.17	37	3.10	**482**	9	0.76	220	18.46	**529**	11	0.92	652	54.70
432	3	0.25	40	3.36	**483**	4	0.34	224	18.79	**530**	7	0.59	659	55.29
435	1	0.08	41	3.44	**484**	11	0.92	235	19.71	**531**	8	0.67	667	55.96
437	1	0.08	42	3.52	**485**	4	0.34	239	20.05	**532**	5	0.42	672	56.38
438	2	0.17	44	3.69	**486**	7	0.59	246	20.64	**533**	12	1.01	684	57.38
440	6	0.50	50	4.19	**487**	8	0.67	254	21.31	**534**	10	0.84	694	58.22
441	4	0.34	54	4.53	**488**	10	0.84	264	22.15	**535**	10	0.84	704	59.06
442	2	0.17	56	4.70	**489**	5	0.42	269	22.57	**536**	8	0.67	712	59.73
443	1	0.08	57	4.78	**490**	9	0.76	278	23.32	**537**	14	1.17	726	60.91
444	3	0.25	60	5.03	**491**	9	0.76	287	24.08	**538**	16	1.34	742	62.25
445	2	0.17	62	5.20	**492**	6	0.50	293	24.58	**539**	15	1.26	757	63.51
446	1	0.08	63	5.29	**493**	7	0.59	300	25.17	**540**	8	0.67	765	64.18
447	2	0.17	65	5.45	**494**	6	0.50	306	25.67	**541**	17	1.43	782	65.60
448	3	0.25	68	5.70	**495**	5	0.42	311	26.09	**542**	9	0.76	791	66.36
449	3	0.25	71	5.96	**496**	3	0.25	314	26.34	**543**	12	1.01	803	67.37
450	3	0.25	74	6.21	**497**	7	0.59	321	26.93	**544**	15	1.26	818	68.62
451	4	0.34	78	6.54	**498**	7	0.59	328	27.52	**545**	12	1.01	830	69.63
452	5	0.42	83	6.96	**499**	5	0.42	333	27.94	**546**	8	0.67	838	70.30
453	2	0.17	85	7.13	**500**	5	0.42	338	28.36	**547**	7	0.59	845	70.89
454	2	0.17	87	7.30	**501**	6	0.50	344	28.86	**548**	7	0.59	852	71.48
455	7	0.59	94	7.89	**502**	11	0.92	355	29.78	**549**	18	1.51	870	72.99
456	4	0.34	98	8.22	**503**	8	0.67	363	30.45	**550**	13	1.09	883	74.08
457	3	0.25	101	8.47	**504**	8	0.67	371	31.12	**551**	10	0.84	893	74.92
458	2	0.17	103	8.64	**505**	5	0.42	376	31.54	**552**	13	1.09	906	76.01
459	4	0.34	107	8.98	**506**	11	0.92	387	32.47	**553**	10	0.84	916	76.85
460	4	0.34	111	9.31	**507**	11	0.92	398	33.39	**554**	7	0.59	923	77.43
461	2	0.17	113	9.48	**508**	8	0.67	406	34.06	**555**	8	0.67	931	78.10
462	4	0.34	117	9.82	**509**	12	1.01	418	35.07	**556**	7	0.59	938	78.69

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Table 160. Scale Score Distribution, Reading Grade 3 (Spanish) (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
557	9	0.76	947	79.45	**604**	1	0.08	1153	96.73
558	10	0.84	957	80.29	**605**	2	0.17	1155	96.90
559	11	0.92	968	81.21	**606**	3	0.25	1158	97.15
560	9	0.76	977	81.96	**608**	1	0.08	1159	97.23
561	4	0.34	981	82.30	**609**	4	0.34	1163	97.57
562	10	0.84	991	83.14	**610**	2	0.17	1165	97.73
563	3	0.25	994	83.39	**611**	1	0.08	1166	97.82
564	6	0.50	1000	83.89	**614**	2	0.17	1168	97.99
565	6	0.50	1006	84.40	**615**	1	0.08	1169	98.07
566	5	0.42	1011	84.82	**616**	1	0.08	1170	98.15
567	8	0.67	1019	85.49	**618**	2	0.17	1172	98.32
568	4	0.34	1023	85.82	**619**	1	0.08	1173	98.41
569	11	0.92	1034	86.74	**620**	1	0.08	1174	98.49
570	6	0.50	1040	87.25	**625**	3	0.25	1177	98.74
571	5	0.42	1045	87.67	**626**	1	0.08	1178	98.83
572	5	0.42	1050	88.09	**629**	1	0.08	1179	98.91
573	5	0.42	1055	88.51	**630**	1	0.08	1180	98.99
574	5	0.42	1060	88.93	**631**	1	0.08	1181	99.08
575	8	0.67	1068	89.60	**635**	1	0.08	1182	99.16
576	9	0.76	1077	90.35	**637**	1	0.08	1183	99.24
577	5	0.42	1082	90.77	**638**	1	0.08	1184	99.33
578	3	0.25	1085	91.02	**640**	1	0.08	1185	99.41
579	2	0.17	1087	91.19	**647**	1	0.08	1186	99.50
580	6	0.50	1093	91.69	**659**	1	0.08	1187	99.58
581	4	0.34	1097	92.03	**663**	1	0.08	1188	99.66
582	3	0.25	1100	92.28	**667**	1	0.08	1189	99.75
583	1	0.08	1101	92.37	**668**	1	0.08	1190	99.83
584	1	0.08	1102	92.45	**708**	2	0.17	1192	100.00
585	2	0.17	1104	92.62					
586	2	0.17	1106	92.79					
587	2	0.17	1108	92.95					
588	3	0.25	1111	93.20					
589	3	0.25	1114	93.46					
590	7	0.59	1121	94.04					
591	2	0.17	1123	94.21					
592	2	0.17	1125	94.38					
593	2	0.17	1127	94.55					
594	5	0.42	1132	94.97					
595	4	0.34	1136	95.30					
596	3	0.25	1139	95.55					
597	3	0.25	1142	95.81					
598	1	0.08	1143	95.89					
599	1	0.08	1144	95.97					
600	2	0.17	1146	96.14					
601	2	0.17	1148	96.31					
602	3	0.25	1151	96.56					
603	1	0.08	1152	96.64					

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Table 161. Scale Score Distribution, Writing Grade 3

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
150	143	0.23	143	0.23	**295**	6	0.01	261	0.42	**342**	17	0.03	607	0.98
244	1	0.00	144	0.23	**296**	6	0.01	267	0.43	**343**	21	0.03	628	1.02
245	1	0.00	145	0.24	**297**	3	0.00	270	0.44	**344**	16	0.03	644	1.04
246	1	0.00	146	0.24	**298**	3	0.00	273	0.44	**345**	19	0.03	663	1.08
248	4	0.01	150	0.24	**299**	6	0.01	279	0.45	**346**	18	0.03	681	1.10
249	7	0.01	157	0.25	**300**	5	0.01	284	0.46	**347**	21	0.03	702	1.14
250	1	0.00	158	0.26	**301**	10	0.02	294	0.48	**348**	21	0.03	723	1.17
251	2	0.00	160	0.26	**302**	5	0.01	299	0.48	**349**	16	0.03	739	1.20
252	4	0.01	164	0.27	**303**	4	0.01	303	0.49	**350**	20	0.03	759	1.23
253	2	0.00	166	0.27	**304**	6	0.01	309	0.50	**351**	33	0.05	792	1.28
254	2	0.00	168	0.27	**305**	3	0.00	312	0.51	**352**	32	0.05	824	1.34
256	4	0.01	172	0.28	**306**	3	0.00	315	0.51	**353**	26	0.04	850	1.38
257	5	0.01	177	0.29	**307**	4	0.01	319	0.52	**354**	20	0.03	870	1.41
258	5	0.01	182	0.30	**308**	4	0.01	323	0.52	**355**	31	0.05	901	1.46
259	1	0.00	183	0.30	**309**	9	0.01	332	0.54	**356**	33	0.05	934	1.51
260	2	0.00	185	0.30	**310**	7	0.01	339	0.55	**357**	34	0.06	968	1.57
261	3	0.00	188	0.30	**311**	6	0.01	345	0.56	**358**	38	0.06	1006	1.63
262	1	0.00	189	0.31	**312**	11	0.02	356	0.58	**359**	29	0.05	1035	1.68
263	2	0.00	191	0.31	**313**	4	0.01	360	0.58	**360**	20	0.03	1055	1.71
265	4	0.01	195	0.32	**314**	5	0.01	365	0.59	**361**	33	0.05	1088	1.76
266	5	0.01	200	0.32	**315**	6	0.01	371	0.60	**362**	41	0.07	1129	1.83
267	2	0.00	202	0.33	**316**	5	0.01	376	0.61	**363**	36	0.06	1165	1.89
268	2	0.00	204	0.33	**317**	6	0.01	382	0.62	**364**	43	0.07	1208	1.96
269	2	0.00	206	0.33	**318**	4	0.01	386	0.63	**365**	44	0.07	1252	2.03
270	5	0.01	211	0.34	**319**	4	0.01	390	0.63	**366**	48	0.08	1300	2.11
271	2	0.00	213	0.35	**320**	8	0.01	398	0.65	**367**	44	0.07	1344	2.18
273	1	0.00	214	0.35	**321**	5	0.01	403	0.65	**368**	42	0.07	1386	2.25
274	1	0.00	215	0.35	**322**	2	0.00	405	0.66	**369**	60	0.10	1446	2.35
275	2	0.00	217	0.35	**323**	5	0.01	410	0.66	**370**	53	0.09	1499	2.43
276	2	0.00	219	0.36	**324**	6	0.01	416	0.67	**371**	74	0.12	1573	2.55
278	1	0.00	220	0.36	**325**	5	0.01	421	0.68	**372**	59	0.10	1632	2.65
279	2	0.00	222	0.36	**326**	13	0.02	434	0.70	**373**	62	0.10	1694	2.75
280	4	0.01	226	0.37	**327**	9	0.01	443	0.72	**374**	56	0.09	1750	2.84
281	1	0.00	227	0.37	**328**	14	0.02	457	0.74	**375**	76	0.12	1826	2.96
282	1	0.00	228	0.37	**329**	3	0.00	460	0.75	**376**	82	0.13	1908	3.09
283	1	0.00	229	0.37	**330**	11	0.02	471	0.76	**377**	82	0.13	1990	3.23
284	4	0.01	233	0.38	**331**	7	0.01	478	0.78	**378**	92	0.15	2082	3.38
285	1	0.00	234	0.38	**332**	4	0.01	482	0.78	**379**	105	0.17	2187	3.55
286	2	0.00	236	0.38	**333**	12	0.02	494	0.80	**380**	96	0.16	2283	3.70
287	1	0.00	237	0.38	**334**	15	0.02	509	0.83	**381**	97	0.16	2380	3.86
288	1	0.00	238	0.39	**335**	5	0.01	514	0.83	**382**	103	0.17	2483	4.03
289	3	0.00	241	0.39	**336**	10	0.02	524	0.85	**383**	109	0.18	2592	4.20
290	3	0.00	244	0.40	**337**	11	0.02	535	0.87	**384**	114	0.18	2706	4.39
291	4	0.01	248	0.40	**338**	16	0.03	551	0.89	**385**	118	0.19	2824	4.58
292	2	0.00	250	0.41	**339**	14	0.02	565	0.92	**386**	129	0.21	2953	4.79
293	1	0.00	251	0.41	**340**	15	0.02	580	0.94	**387**	118	0.19	3071	4.98
294	4	0.01	255	0.41	**341**	10	0.02	590	0.96	**388**	112	0.18	3183	5.16

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Table 161. Scale Score Distribution, Writing Grade 3 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
389	138	0.22	3321	5.39	**436**	421	0.68	15893	25.78	**483**	495	0.80	40154	65.13
390	140	0.23	3461	5.61	**437**	461	0.75	16354	26.53	**484**	494	0.80	40648	65.93
391	109	0.18	3570	5.79	**438**	432	0.70	16786	27.23	**485**	472	0.77	41120	66.69
392	127	0.21	3697	6.00	**439**	454	0.74	17240	27.96	**486**	504	0.82	41624	67.51
393	149	0.24	3846	6.24	**440**	432	0.70	17672	28.66	**487**	498	0.81	42122	68.32
394	137	0.22	3983	6.46	**441**	455	0.74	18127	29.40	**488**	467	0.76	42589	69.08
395	149	0.24	4132	6.70	**442**	451	0.73	18578	30.13	**489**	476	0.77	43065	69.85
396	156	0.25	4288	6.95	**443**	473	0.77	19051	30.90	**490**	451	0.73	43516	70.58
397	149	0.24	4437	7.20	**444**	471	0.76	19522	31.66	**491**	501	0.81	44017	71.39
398	192	0.31	4629	7.51	**445**	501	0.81	20023	32.48	**492**	396	0.64	44413	72.03
399	159	0.26	4788	7.77	**446**	501	0.81	20524	33.29	**493**	434	0.70	44847	72.74
400	179	0.29	4967	8.06	**447**	536	0.87	21060	34.16	**494**	409	0.66	45256	73.40
401	182	0.30	5149	8.35	**448**	494	0.80	21554	34.96	**495**	398	0.65	45654	74.05
402	173	0.28	5322	8.63	**449**	515	0.84	22069	35.79	**496**	427	0.69	46081	74.74
403	203	0.33	5525	8.96	**450**	476	0.77	22545	36.57	**497**	469	0.76	46550	75.50
404	201	0.33	5726	9.29	**451**	497	0.81	23042	37.37	**498**	411	0.67	46961	76.17
405	221	0.36	5947	9.65	**452**	543	0.88	23585	38.25	**499**	449	0.73	47410	76.90
406	200	0.32	6147	9.97	**453**	512	0.83	24097	39.08	**500**	396	0.64	47806	77.54
407	219	0.36	6366	10.33	**454**	487	0.79	24584	39.87	**501**	352	0.57	48158	78.11
408	217	0.35	6583	10.68	**455**	523	0.85	25107	40.72	**502**	429	0.70	48587	78.80
409	239	0.39	6822	11.06	**456**	539	0.87	25646	41.60	**503**	309	0.50	48896	79.31
410	239	0.39	7061	11.45	**457**	547	0.89	26193	42.48	**504**	357	0.58	49253	79.88
411	259	0.42	7320	11.87	**458**	514	0.83	26707	43.32	**505**	415	0.67	49668	80.56
412	283	0.46	7603	12.33	**459**	534	0.87	27241	44.18	**506**	399	0.65	50067	81.21
413	261	0.42	7864	12.75	**460**	568	0.92	27809	45.10	**507**	350	0.57	50417	81.77
414	275	0.45	8139	13.20	**461**	507	0.82	28316	45.93	**508**	312	0.51	50729	82.28
415	286	0.46	8425	13.66	**462**	507	0.82	28823	46.75	**509**	269	0.44	50998	82.72
416	268	0.43	8693	14.10	**463**	559	0.91	29382	47.66	**510**	293	0.48	51291	83.19
417	290	0.47	8983	14.57	**464**	567	0.92	29949	48.58	**511**	477	0.77	51768	83.96
418	265	0.43	9248	15.00	**465**	586	0.95	30535	49.53	**512**	311	0.50	52079	84.47
419	309	0.50	9557	15.50	**466**	566	0.92	31101	50.44	**513**	363	0.59	52442	85.06
420	347	0.56	9904	16.06	**467**	560	0.91	31661	51.35	**514**	236	0.38	52678	85.44
421	334	0.54	10238	16.61	**468**	581	0.94	32242	52.29	**515**	214	0.35	52892	85.79
422	354	0.57	10592	17.18	**469**	561	0.91	32803	53.20	**516**	232	0.38	53124	86.16
423	326	0.53	10918	17.71	**470**	549	0.89	33352	54.09	**517**	220	0.36	53344	86.52
424	328	0.53	11246	18.24	**471**	535	0.87	33887	54.96	**518**	231	0.37	53575	86.89
425	342	0.55	11588	18.79	**472**	546	0.89	34433	55.85	**519**	214	0.35	53789	87.24
426	337	0.55	11925	19.34	**473**	515	0.84	34948	56.68	**520**	171	0.28	53960	87.52
427	398	0.65	12323	19.99	**474**	550	0.89	35498	57.58	**521**	201	0.33	54161	87.85
428	388	0.63	12711	20.62	**475**	531	0.86	36029	58.44	**522**	212	0.34	54373	88.19
429	399	0.65	13110	21.26	**476**	527	0.85	36556	59.29	**523**	424	0.69	54797	88.88
430	352	0.57	13462	21.83	**477**	510	0.83	37066	60.12	**524**	187	0.30	54984	89.18
431	382	0.62	13844	22.45	**478**	486	0.79	37552	60.91	**525**	524	0.85	55508	90.03
432	403	0.65	14247	23.11	**479**	548	0.89	38100	61.80	**526**	350	0.57	55858	90.60
433	424	0.69	14671	23.80	**480**	547	0.89	38647	62.68	**527**	81	0.13	55939	90.73
434	401	0.65	15072	24.45	**481**	532	0.86	39179	63.55	**528**	180	0.29	56119	91.02
435	400	0.65	15472	25.09	**482**	480	0.78	39659	64.32	**529**	166	0.27	56285	91.29

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Table 161. Scale Score Distribution, Writing Grade 3 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %
530	73	0.12	56358	91.41
531	84	0.14	56442	91.54
532	128	0.21	56570	91.75
533	110	0.18	56680	91.93
534	67	0.11	56747	92.04
535	50	0.08	56797	92.12
536	90	0.15	56887	92.27
537	79	0.13	56966	92.39
538	231	0.37	57197	92.77
539	211	0.34	57408	93.11
540	123	0.20	57531	93.31
541	88	0.14	57619	93.45
542	722	1.17	58341	94.62
543	391	0.63	58732	95.26
544	46	0.07	58778	95.33
545	13	0.02	58791	95.35
546	78	0.13	58869	95.48
547	191	0.31	59060	95.79
548	21	0.03	59081	95.83
550	6	0.01	59087	95.83
551	3	0.00	59090	95.84
552	65	0.11	59155	95.95
553	13	0.02	59168	95.97
554	6	0.01	59174	95.98
555	29	0.05	59203	96.02
556	29	0.05	59232	96.07
558	21	0.03	59253	96.10
559	36	0.06	59289	96.16
560	6	0.01	59295	96.17
561	4	0.01	59299	96.18
563	248	0.40	59547	96.58
566	23	0.04	59570	96.62
567	36	0.06	59606	96.68
568	20	0.03	59626	96.71
569	264	0.43	59890	97.14
570	250	0.41	60140	97.54
572	578	0.94	60718	98.48
573	51	0.08	60769	98.56
579	142	0.23	60911	98.79
680	744	1.21	61655	100.00

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Table 162. Scale Score Distribution, Writing Grade 3 (Spanish)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
250	2	0.16	2	0.16	**396**	1	0.08	63	5.16	**444**	6	0.49	202	16.53
259	1	0.08	3	0.25	**397**	2	0.16	65	5.32	**445**	8	0.65	210	17.18
269	1	0.08	4	0.33	**398**	1	0.08	66	5.40	**446**	4	0.33	214	17.51
274	1	0.08	5	0.41	**399**	2	0.16	68	5.56	**447**	5	0.41	219	17.92
288	1	0.08	6	0.49	**400**	1	0.08	69	5.65	**448**	5	0.41	224	18.33
294	1	0.08	7	0.57	**401**	2	0.16	71	5.81	**450**	4	0.33	228	18.66
298	1	0.08	8	0.65	**402**	2	0.16	73	5.97	**451**	1	0.08	229	18.74
300	1	0.08	9	0.74	**403**	3	0.25	76	6.22	**452**	3	0.25	232	18.99
315	1	0.08	10	0.82	**404**	3	0.25	79	6.46	**454**	1	0.08	233	19.07
324	1	0.08	11	0.90	**405**	2	0.16	81	6.63	**455**	7	0.57	240	19.64
332	1	0.08	12	0.98	**406**	3	0.25	84	6.87	**456**	4	0.33	244	19.97
335	1	0.08	13	1.06	**407**	3	0.25	87	7.12	**457**	8	0.65	252	20.62
336	1	0.08	14	1.15	**408**	1	0.08	88	7.20	**458**	5	0.41	257	21.03
338	1	0.08	15	1.23	**409**	3	0.25	91	7.45	**459**	10	0.82	267	21.85
340	1	0.08	16	1.31	**410**	2	0.16	93	7.61	**460**	3	0.25	270	22.09
343	1	0.08	17	1.39	**411**	1	0.08	94	7.69	**461**	2	0.16	272	22.26
344	1	0.08	18	1.47	**412**	4	0.33	98	8.02	**462**	3	0.25	275	22.50
345	2	0.16	20	1.64	**413**	1	0.08	99	8.10	**463**	4	0.33	279	22.83
347	1	0.08	21	1.72	**414**	1	0.08	100	8.18	**465**	3	0.25	282	23.08
348	1	0.08	22	1.80	**415**	2	0.16	102	8.35	**466**	2	0.16	284	23.24
350	1	0.08	23	1.88	**416**	6	0.49	108	8.84	**467**	8	0.65	292	23.90
351	2	0.16	25	2.05	**417**	1	0.08	109	8.92	**468**	9	0.74	301	24.63
352	2	0.16	27	2.21	**418**	1	0.08	110	9.00	**469**	3	0.25	304	24.88
355	1	0.08	28	2.29	**419**	1	0.08	111	9.08	**470**	3	0.25	307	25.12
356	1	0.08	29	2.37	**420**	4	0.33	115	9.41	**471**	4	0.33	311	25.45
357	2	0.16	31	2.54	**421**	4	0.33	119	9.74	**472**	4	0.33	315	25.78
359	1	0.08	32	2.62	**422**	2	0.16	121	9.90	**473**	5	0.41	320	26.19
360	1	0.08	33	2.70	**423**	2	0.16	123	10.07	**474**	5	0.41	325	26.60
363	2	0.16	35	2.86	**425**	4	0.33	127	10.39	**475**	2	0.16	327	26.76
364	2	0.16	37	3.03	**426**	2	0.16	129	10.56	**476**	6	0.49	333	27.25
365	2	0.16	39	3.19	**427**	2	0.16	131	10.72	**477**	3	0.25	336	27.50
367	1	0.08	40	3.27	**428**	3	0.25	134	10.97	**478**	8	0.65	344	28.15
368	1	0.08	41	3.36	**429**	3	0.25	137	11.21	**479**	5	0.41	349	28.56
370	4	0.33	45	3.68	**430**	6	0.49	143	11.70	**480**	8	0.65	357	29.21
372	1	0.08	46	3.76	**431**	2	0.16	145	11.87	**481**	6	0.49	363	29.71
375	1	0.08	47	3.85	**432**	3	0.25	148	12.11	**482**	6	0.49	369	30.20
376	2	0.16	49	4.01	**433**	7	0.57	155	12.68	**483**	6	0.49	375	30.69
377	1	0.08	50	4.09	**434**	4	0.33	159	13.01	**484**	4	0.33	379	31.01
379	1	0.08	51	4.17	**435**	4	0.33	163	13.34	**485**	5	0.41	384	31.42
380	1	0.08	52	4.26	**436**	2	0.16	165	13.50	**486**	5	0.41	389	31.83
381	3	0.25	55	4.50	**437**	5	0.41	170	13.91	**487**	5	0.41	394	32.24
385	1	0.08	56	4.58	**438**	6	0.49	176	14.40	**488**	4	0.33	398	32.57
387	1	0.08	57	4.66	**439**	3	0.25	179	14.65	**489**	4	0.33	402	32.90
389	1	0.08	58	4.75	**440**	2	0.16	181	14.81	**490**	8	0.65	410	33.55
390	2	0.16	60	4.91	**441**	6	0.49	187	15.30	**491**	8	0.65	418	34.21
391	1	0.08	61	4.99	**442**	4	0.33	191	15.63	**492**	10	0.82	428	35.02
392	1	0.08	62	5.07	**443**	5	0.41	196	16.04	**493**	6	0.49	434	35.52

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Table 162. Scale Score Distribution, Writing Grade 3 (Spanish) (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
494	4	0.33	438	35.84	**541**	8	0.65	754	61.70	**589**	2	0.16	1033	84.53
495	8	0.65	446	36.50	**542**	5	0.41	759	62.11	**590**	4	0.33	1037	84.86
496	3	0.25	449	36.74	**543**	6	0.49	765	62.60	**591**	3	0.25	1040	85.11
497	5	0.41	454	37.15	**544**	5	0.41	770	63.01	**592**	4	0.33	1044	85.43
498	8	0.65	462	37.81	**545**	4	0.33	774	63.34	**593**	5	0.41	1049	85.84
499	7	0.57	469	38.38	**546**	9	0.74	783	64.08	**594**	6	0.49	1055	86.33
500	7	0.57	476	38.95	**547**	12	0.98	795	65.06	**595**	4	0.33	1059	86.66
501	10	0.82	486	39.77	**548**	2	0.16	797	65.22	**596**	7	0.57	1066	87.23
502	6	0.49	492	40.26	**549**	7	0.57	804	65.79	**597**	4	0.33	1070	87.56
503	10	0.82	502	41.08	**550**	7	0.57	811	66.37	**598**	6	0.49	1076	88.05
504	6	0.49	508	41.57	**551**	7	0.57	818	66.94	**599**	2	0.16	1078	88.22
505	4	0.33	512	41.90	**552**	5	0.41	823	67.35	**600**	5	0.41	1083	88.63
506	8	0.65	520	42.55	**553**	13	1.06	836	68.41	**601**	1	0.08	1084	88.71
507	4	0.33	524	42.88	**554**	14	1.15	850	69.56	**602**	1	0.08	1085	88.79
508	9	0.74	533	43.62	**555**	6	0.49	856	70.05	**603**	1	0.08	1086	88.87
509	3	0.25	536	43.86	**556**	8	0.65	864	70.70	**604**	3	0.25	1089	89.12
510	10	0.82	546	44.68	**557**	7	0.57	871	71.28	**605**	4	0.33	1093	89.44
511	5	0.41	551	45.09	**558**	7	0.57	878	71.85	**606**	4	0.33	1097	89.77
512	3	0.25	554	45.34	**559**	6	0.49	884	72.34	**607**	6	0.49	1103	90.26
513	4	0.33	558	45.66	**560**	5	0.41	889	72.75	**608**	5	0.41	1108	90.67
514	7	0.57	565	46.24	**561**	5	0.41	894	73.16	**609**	2	0.16	1110	90.83
515	7	0.57	572	46.81	**562**	4	0.33	898	73.49	**612**	1	0.08	1111	90.92
516	8	0.65	580	47.46	**563**	7	0.57	905	74.06	**613**	7	0.57	1118	91.49
517	7	0.57	587	48.04	**564**	7	0.57	912	74.63	**614**	2	0.16	1120	91.65
518	6	0.49	593	48.53	**565**	5	0.41	917	75.04	**615**	4	0.33	1124	91.98
519	10	0.82	603	49.35	**566**	2	0.16	919	75.20	**616**	2	0.16	1126	92.14
520	5	0.41	608	49.75	**567**	5	0.41	924	75.61	**617**	3	0.25	1129	92.39
521	9	0.74	617	50.49	**568**	3	0.25	927	75.86	**618**	5	0.41	1134	92.80
522	16	1.31	633	51.80	**569**	5	0.41	932	76.27	**619**	1	0.08	1135	92.88
523	8	0.65	641	52.45	**570**	5	0.41	937	76.68	**620**	3	0.25	1138	93.13
524	4	0.33	645	52.78	**571**	6	0.49	943	77.17	**621**	3	0.25	1141	93.37
525	8	0.65	653	53.44	**572**	10	0.82	953	77.99	**622**	2	0.16	1143	93.54
526	6	0.49	659	53.93	**573**	6	0.49	959	78.48	**623**	2	0.16	1145	93.70
527	5	0.41	664	54.34	**574**	3	0.25	962	78.72	**624**	4	0.33	1149	94.03
528	7	0.57	671	54.91	**575**	5	0.41	967	79.13	**625**	2	0.16	1151	94.19
529	8	0.65	679	55.56	**577**	1	0.08	968	79.21	**626**	2	0.16	1153	94.35
530	7	0.57	686	56.14	**578**	9	0.74	977	79.95	**628**	1	0.08	1154	94.44
531	4	0.33	690	56.46	**579**	4	0.33	981	80.28	**629**	4	0.33	1158	94.76
532	4	0.33	694	56.79	**580**	7	0.57	988	80.85	**630**	2	0.16	1160	94.93
533	7	0.57	701	57.36	**581**	4	0.33	992	81.18	**631**	4	0.33	1164	95.25
534	7	0.57	708	57.94	**582**	9	0.74	1001	81.91	**632**	1	0.08	1165	95.34
535	10	0.82	718	58.76	**583**	5	0.41	1006	82.32	**633**	1	0.08	1166	95.42
536	5	0.41	723	59.17	**584**	6	0.49	1012	82.82	**635**	1	0.08	1167	95.50
537	13	1.06	736	60.23	**585**	7	0.57	1019	83.39	**636**	4	0.33	1171	95.83
538	4	0.33	740	60.56	**586**	6	0.49	1025	83.88	**637**	1	0.08	1172	95.91
539	1	0.08	741	60.64	**587**	2	0.16	1027	84.04	**639**	1	0.08	1173	95.99
540	5	0.41	746	61.05	**588**	4	0.33	1031	84.37	**640**	1	0.08	1174	96.07

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Table 162. Scale Score Distribution, Writing Grade 3 (Spanish) (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %
641	1	0.08	1175	96.15
642	2	0.16	1177	96.32
645	1	0.08	1178	96.40
646	3	0.25	1181	96.64
647	3	0.25	1184	96.89
648	1	0.08	1185	96.97
650	1	0.08	1186	97.05
652	6	0.49	1192	97.55
656	1	0.08	1193	97.63
661	1	0.08	1194	97.71
663	2	0.16	1196	97.87
667	2	0.16	1198	98.04
668	1	0.08	1199	98.12
673	2	0.16	1201	98.28
674	2	0.16	1203	98.45
675	3	0.25	1206	98.69
676	1	0.08	1207	98.77
678	1	0.08	1208	98.85
697	2	0.16	1210	99.02
701	2	0.16	1212	99.18
710	1	0.08	1213	99.26
711	1	0.08	1214	99.35
712	4	0.33	1218	99.67
713	1	0.08	1219	99.75
718	1	0.08	1220	99.84
750	2	0.16	1222	100.00

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Table 163. Scale Score Distribution, Mathematics Grade 3

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
150	143	0.23	143	0.23	**202**	4	0.01	323	0.51	**249**	19	0.03	858	1.36
151	3	0.00	146	0.23	**203**	4	0.01	327	0.52	**250**	20	0.03	878	1.40
152	1	0.00	147	0.23	**204**	6	0.01	333	0.53	**251**	18	0.03	896	1.43
153	4	0.01	151	0.24	**205**	8	0.01	341	0.54	**252**	17	0.03	913	1.45
154	2	0.00	153	0.24	**206**	4	0.01	345	0.55	**253**	18	0.03	931	1.48
155	1	0.00	154	0.24	**207**	3	0.00	348	0.55	**254**	28	0.04	959	1.53
156	9	0.01	163	0.26	**208**	10	0.02	358	0.57	**255**	31	0.05	990	1.57
157	2	0.00	165	0.26	**209**	2	0.00	360	0.57	**256**	15	0.02	1005	1.60
158	2	0.00	167	0.27	**210**	5	0.01	365	0.58	**257**	28	0.04	1033	1.64
159	3	0.00	170	0.27	**211**	7	0.01	372	0.59	**258**	28	0.04	1061	1.69
160	4	0.01	174	0.28	**212**	7	0.01	379	0.60	**259**	23	0.04	1084	1.72
161	1	0.00	175	0.28	**213**	13	0.02	392	0.62	**260**	23	0.04	1107	1.76
162	5	0.01	180	0.29	**214**	10	0.02	402	0.64	**261**	21	0.03	1128	1.79
164	1	0.00	181	0.29	**215**	7	0.01	409	0.65	**262**	21	0.03	1149	1.83
165	4	0.01	185	0.29	**216**	7	0.01	416	0.66	**263**	23	0.04	1172	1.86
168	3	0.00	188	0.30	**217**	10	0.02	426	0.68	**264**	30	0.05	1202	1.91
169	1	0.00	189	0.30	**218**	8	0.01	434	0.69	**265**	26	0.04	1228	1.95
170	2	0.00	191	0.30	**219**	8	0.01	442	0.70	**266**	29	0.05	1257	2.00
171	4	0.01	195	0.31	**220**	7	0.01	449	0.71	**267**	29	0.05	1286	2.05
172	4	0.01	199	0.32	**221**	7	0.01	456	0.73	**268**	31	0.05	1317	2.09
173	2	0.00	201	0.32	**222**	8	0.01	464	0.74	**269**	31	0.05	1348	2.14
174	4	0.01	205	0.33	**223**	9	0.01	473	0.75	**270**	25	0.04	1373	2.18
175	3	0.00	208	0.33	**224**	16	0.03	489	0.78	**271**	32	0.05	1405	2.23
176	3	0.00	211	0.34	**225**	7	0.01	496	0.79	**272**	37	0.06	1442	2.29
177	3	0.00	214	0.34	**226**	11	0.02	507	0.81	**273**	33	0.05	1475	2.35
178	1	0.00	215	0.34	**227**	7	0.01	514	0.82	**274**	23	0.04	1498	2.38
179	5	0.01	220	0.35	**228**	13	0.02	527	0.84	**275**	36	0.06	1534	2.44
180	4	0.01	224	0.36	**229**	12	0.02	539	0.86	**276**	28	0.04	1562	2.48
181	3	0.00	227	0.36	**230**	13	0.02	552	0.88	**277**	31	0.05	1593	2.53
182	3	0.00	230	0.37	**231**	15	0.02	567	0.90	**278**	38	0.06	1631	2.59
183	4	0.01	234	0.37	**232**	11	0.02	578	0.92	**279**	38	0.06	1669	2.65
185	1	0.00	235	0.37	**233**	11	0.02	589	0.94	**280**	51	0.08	1720	2.74
186	6	0.01	241	0.38	**234**	12	0.02	601	0.96	**281**	33	0.05	1753	2.79
188	5	0.01	246	0.39	**235**	17	0.03	618	0.98	**282**	42	0.07	1795	2.86
189	3	0.00	249	0.40	**236**	11	0.02	629	1.00	**283**	47	0.07	1842	2.93
190	3	0.00	252	0.40	**237**	13	0.02	642	1.02	**284**	36	0.06	1878	2.99
191	7	0.01	259	0.41	**238**	20	0.03	662	1.05	**285**	38	0.06	1916	3.05
192	6	0.01	265	0.42	**239**	18	0.03	680	1.08	**286**	32	0.05	1948	3.10
193	8	0.01	273	0.43	**240**	18	0.03	698	1.11	**287**	35	0.06	1983	3.15
194	5	0.01	278	0.44	**241**	16	0.03	714	1.14	**288**	38	0.06	2021	3.21
195	5	0.01	283	0.45	**242**	19	0.03	733	1.17	**289**	36	0.06	2057	3.27
196	9	0.01	292	0.46	**243**	21	0.03	754	1.20	**290**	47	0.07	2104	3.35
197	6	0.01	298	0.47	**244**	16	0.03	770	1.22	**291**	45	0.07	2149	3.42
198	6	0.01	304	0.48	**245**	13	0.02	783	1.25	**292**	48	0.08	2197	3.49
199	4	0.01	308	0.49	**246**	20	0.03	803	1.28	**293**	44	0.07	2241	3.56
200	6	0.01	314	0.50	**247**	20	0.03	823	1.31	**294**	39	0.06	2280	3.63
201	5	0.01	319	0.51	**248**	16	0.03	839	1.33	**295**	55	0.09	2335	3.71

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Table 163. Scale Score Distribution, Mathematics Grade 3 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
296	57	0.09	2392	3.80	**343**	98	0.16	5961	9.48	**390**	176	0.28	12903	20.52
297	32	0.05	2424	3.86	**344**	130	0.21	6091	9.69	**391**	204	0.32	13107	20.85
298	50	0.08	2474	3.94	**345**	105	0.17	6196	9.86	**392**	179	0.28	13286	21.13
299	39	0.06	2513	4.00	**346**	112	0.18	6308	10.03	**393**	209	0.33	13495	21.47
300	47	0.07	2560	4.07	**347**	115	0.18	6423	10.22	**394**	207	0.33	13702	21.79
301	50	0.08	2610	4.15	**348**	135	0.21	6558	10.43	**395**	195	0.31	13897	22.11
302	51	0.08	2661	4.23	**349**	111	0.18	6669	10.61	**396**	207	0.33	14104	22.43
303	59	0.09	2720	4.33	**350**	128	0.20	6797	10.81	**397**	193	0.31	14297	22.74
304	47	0.07	2767	4.40	**351**	118	0.19	6915	11.00	**398**	197	0.31	14494	23.05
305	46	0.07	2813	4.47	**352**	127	0.20	7042	11.20	**399**	214	0.34	14708	23.40
306	54	0.09	2867	4.56	**353**	150	0.24	7192	11.44	**400**	191	0.30	14899	23.70
307	60	0.10	2927	4.66	**354**	134	0.21	7326	11.65	**401**	224	0.36	15123	24.06
308	54	0.09	2981	4.74	**355**	135	0.21	7461	11.87	**402**	189	0.30	15312	24.36
309	65	0.10	3046	4.85	**356**	130	0.21	7591	12.07	**403**	237	0.38	15549	24.73
310	63	0.10	3109	4.95	**357**	132	0.21	7723	12.28	**404**	203	0.32	15752	25.06
311	73	0.12	3182	5.06	**358**	126	0.20	7849	12.48	**405**	209	0.33	15961	25.39
312	67	0.11	3249	5.17	**359**	112	0.18	7961	12.66	**406**	229	0.36	16190	25.75
313	79	0.13	3328	5.29	**360**	143	0.23	8104	12.89	**407**	221	0.35	16411	26.10
314	80	0.13	3408	5.42	**361**	158	0.25	8262	13.14	**408**	235	0.37	16646	26.48
315	72	0.11	3480	5.54	**362**	142	0.23	8404	13.37	**409**	244	0.39	16890	26.87
316	76	0.12	3556	5.66	**363**	141	0.22	8545	13.59	**410**	263	0.42	17153	27.28
317	74	0.12	3630	5.77	**364**	139	0.22	8684	13.81	**411**	216	0.34	17369	27.63
318	65	0.10	3695	5.88	**365**	124	0.20	8808	14.01	**412**	235	0.37	17604	28.00
319	78	0.12	3773	6.00	**366**	155	0.25	8963	14.26	**413**	231	0.37	17835	28.37
320	71	0.11	3844	6.11	**367**	153	0.24	9116	14.50	**414**	228	0.36	18063	28.73
321	80	0.13	3924	6.24	**368**	153	0.24	9269	14.74	**415**	233	0.37	18296	29.10
322	70	0.11	3994	6.35	**369**	149	0.24	9418	14.98	**416**	232	0.37	18528	29.47
323	80	0.13	4074	6.48	**370**	146	0.23	9564	15.21	**417**	250	0.40	18778	29.87
324	87	0.14	4161	6.62	**371**	147	0.23	9711	15.45	**418**	240	0.38	19018	30.25
325	80	0.13	4241	6.75	**372**	180	0.29	9891	15.73	**419**	224	0.36	19242	30.61
326	87	0.14	4328	6.88	**373**	139	0.22	10030	15.95	**420**	249	0.40	19491	31.00
327	82	0.13	4410	7.01	**374**	146	0.23	10176	16.19	**421**	254	0.40	19745	31.41
328	93	0.15	4503	7.16	**375**	158	0.25	10334	16.44	**422**	251	0.40	19996	31.81
329	81	0.13	4584	7.29	**376**	164	0.26	10498	16.70	**423**	281	0.45	20277	32.25
330	84	0.13	4668	7.43	**377**	163	0.26	10661	16.96	**424**	271	0.43	20548	32.68
331	93	0.15	4761	7.57	**378**	165	0.26	10826	17.22	**425**	261	0.42	20809	33.10
332	95	0.15	4856	7.72	**379**	167	0.27	10993	17.49	**426**	250	0.40	21059	33.50
333	106	0.17	4962	7.89	**380**	172	0.27	11165	17.76	**427**	257	0.41	21316	33.91
334	93	0.15	5055	8.04	**381**	175	0.28	11340	18.04	**428**	267	0.42	21583	34.33
335	92	0.15	5147	8.19	**382**	169	0.27	11509	18.31	**429**	258	0.41	21841	34.74
336	117	0.19	5264	8.37	**383**	155	0.25	11664	18.55	**430**	266	0.42	22107	35.16
337	86	0.14	5350	8.51	**384**	154	0.24	11818	18.80	**431**	284	0.45	22391	35.62
338	93	0.15	5443	8.66	**385**	188	0.30	12006	19.10	**432**	306	0.49	22697	36.10
339	120	0.19	5563	8.85	**386**	187	0.30	12193	19.39	**433**	260	0.41	22957	36.52
340	98	0.16	5661	9.00	**387**	172	0.27	12365	19.67	**434**	303	0.48	23260	37.00
341	99	0.16	5760	9.16	**388**	164	0.26	12529	19.93	**435**	282	0.45	23542	37.45
342	103	0.16	5863	9.33	**389**	198	0.31	12727	20.24	**436**	313	0.50	23855	37.94

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Table 163. Scale Score Distribution, Mathematics Grade 3 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
437	289	0.46	24144	38.40	**484**	325	0.52	37989	60.43	**531**	218	0.35	50151	79.77
438	286	0.45	24430	38.86	**485**	307	0.49	38296	60.91	**532**	201	0.32	50352	80.09
439	270	0.43	24700	39.29	**486**	250	0.40	38546	61.31	**533**	194	0.31	50546	80.40
440	253	0.40	24953	39.69	**487**	333	0.53	38879	61.84	**534**	212	0.34	50758	80.74
441	284	0.45	25237	40.14	**488**	281	0.45	39160	62.29	**535**	191	0.30	50949	81.04
442	276	0.44	25513	40.58	**489**	275	0.44	39435	62.73	**536**	213	0.34	51162	81.38
443	289	0.46	25802	41.04	**490**	277	0.44	39712	63.17	**537**	212	0.34	51374	81.72
444	265	0.42	26067	41.46	**491**	296	0.47	40008	63.64	**538**	198	0.31	51572	82.03
445	279	0.44	26346	41.91	**492**	281	0.45	40289	64.09	**539**	176	0.28	51748	82.31
446	266	0.42	26612	42.33	**493**	270	0.43	40559	64.51	**540**	201	0.32	51949	82.63
447	271	0.43	26883	42.76	**494**	275	0.44	40834	64.95	**541**	192	0.31	52141	82.94
448	281	0.45	27164	43.21	**495**	329	0.52	41163	65.48	**542**	228	0.36	52369	83.30
449	280	0.45	27444	43.65	**496**	275	0.44	41438	65.91	**543**	198	0.31	52567	83.61
450	297	0.47	27741	44.13	**497**	256	0.41	41694	66.32	**544**	186	0.30	52753	83.91
451	301	0.48	28042	44.60	**498**	274	0.44	41968	66.76	**545**	170	0.27	52923	84.18
452	338	0.54	28380	45.14	**499**	296	0.47	42264	67.23	**546**	165	0.26	53088	84.44
453	269	0.43	28649	45.57	**500**	278	0.44	42542	67.67	**547**	179	0.28	53267	84.73
454	279	0.44	28928	46.01	**501**	287	0.46	42829	68.13	**548**	169	0.27	53436	85.00
455	293	0.47	29221	46.48	**502**	253	0.40	43082	68.53	**549**	178	0.28	53614	85.28
456	309	0.49	29530	46.97	**503**	288	0.46	43370	68.99	**550**	159	0.25	53773	85.53
457	306	0.49	29836	47.46	**504**	272	0.43	43642	69.42	**551**	170	0.27	53943	85.80
458	301	0.48	30137	47.94	**505**	274	0.44	43916	69.85	**552**	185	0.29	54128	86.10
459	301	0.48	30438	48.42	**506**	260	0.41	44176	70.27	**553**	158	0.25	54286	86.35
460	303	0.48	30741	48.90	**507**	256	0.41	44432	70.68	**554**	160	0.25	54446	86.60
461	268	0.43	31009	49.32	**508**	259	0.41	44691	71.09	**555**	176	0.28	54622	86.88
462	270	0.43	31279	49.75	**509**	276	0.44	44967	71.53	**556**	158	0.25	54780	87.13
463	281	0.45	31560	50.20	**510**	255	0.41	45222	71.93	**557**	147	0.23	54927	87.37
464	288	0.46	31848	50.66	**511**	267	0.42	45489	72.36	**558**	156	0.25	55083	87.62
465	299	0.48	32147	51.13	**512**	250	0.40	45739	72.75	**559**	144	0.23	55227	87.85
466	305	0.49	32452	51.62	**513**	237	0.38	45976	73.13	**560**	142	0.23	55369	88.07
467	291	0.46	32743	52.08	**514**	235	0.37	46211	73.50	**561**	140	0.22	55509	88.29
468	297	0.47	33040	52.55	**515**	275	0.44	46486	73.94	**562**	155	0.25	55664	88.54
469	328	0.52	33368	53.08	**516**	247	0.39	46733	74.34	**563**	142	0.23	55806	88.77
470	341	0.54	33709	53.62	**517**	258	0.41	46991	74.75	**564**	151	0.24	55957	89.01
471	340	0.54	34049	54.16	**518**	232	0.37	47223	75.11	**565**	127	0.20	56084	89.21
472	284	0.45	34333	54.61	**519**	233	0.37	47456	75.49	**566**	135	0.21	56219	89.42
473	311	0.49	34644	55.11	**520**	229	0.36	47685	75.85	**567**	169	0.27	56388	89.69
474	303	0.48	34947	55.59	**521**	236	0.38	47921	76.22	**568**	142	0.23	56530	89.92
475	310	0.49	35257	56.08	**522**	237	0.38	48158	76.60	**569**	141	0.22	56671	90.14
476	318	0.51	35575	56.59	**523**	223	0.35	48381	76.96	**570**	126	0.20	56797	90.34
477	299	0.48	35874	57.06	**524**	231	0.37	48612	77.32	**571**	121	0.19	56918	90.54
478	288	0.46	36162	57.52	**525**	237	0.38	48849	77.70	**572**	109	0.17	57027	90.71
479	313	0.50	36475	58.02	**526**	250	0.40	49099	78.10	**573**	101	0.16	57128	90.87
480	271	0.43	36746	58.45	**527**	210	0.33	49309	78.43	**574**	95	0.15	57223	91.02
481	300	0.48	37046	58.93	**528**	242	0.38	49551	78.82	**575**	128	0.20	57351	91.22
482	311	0.49	37357	59.42	**529**	208	0.33	49759	79.15	**576**	103	0.16	57454	91.39
483	307	0.49	37664	59.91	**530**	174	0.28	49933	79.43	**577**	121	0.19	57575	91.58

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Table 163. Scale Score Distribution, Mathematics Grade 3 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
578	108	0.17	57683	91.75	**625**	55	0.09	60976	96.99	**673**	2	0.00	62364	99.20
579	128	0.20	57811	91.96	**626**	58	0.09	61034	97.08	**674**	28	0.04	62392	99.24
580	92	0.15	57903	92.10	**627**	79	0.13	61113	97.21	**675**	6	0.01	62398	99.25
581	122	0.19	58025	92.30	**628**	13	0.02	61126	97.23	**676**	12	0.02	62410	99.27
582	88	0.14	58113	92.44	**629**	18	0.03	61144	97.26	**677**	6	0.01	62416	99.28
583	85	0.14	58198	92.57	**630**	31	0.05	61175	97.31	**678**	8	0.01	62424	99.29
584	87	0.14	58285	92.71	**631**	49	0.08	61224	97.38	**679**	5	0.01	62429	99.30
585	96	0.15	58381	92.86	**632**	39	0.06	61263	97.45	**680**	10	0.02	62439	99.32
586	97	0.15	58478	93.02	**633**	13	0.02	61276	97.47	**681**	16	0.03	62455	99.34
587	83	0.13	58561	93.15	**634**	17	0.03	61293	97.49	**682**	19	0.03	62474	99.37
588	92	0.15	58653	93.30	**635**	3	0.00	61296	97.50	**683**	12	0.02	62486	99.39
589	77	0.12	58730	93.42	**636**	12	0.02	61308	97.52	**684**	3	0.00	62489	99.40
590	93	0.15	58823	93.57	**637**	101	0.16	61409	97.68	**685**	4	0.01	62493	99.40
591	77	0.12	58900	93.69	**638**	18	0.03	61427	97.71	**686**	3	0.00	62496	99.41
592	57	0.09	58957	93.78	**639**	7	0.01	61434	97.72	**687**	3	0.00	62499	99.41
593	92	0.15	59049	93.93	**640**	5	0.01	61439	97.73	**688**	8	0.01	62507	99.43
594	117	0.19	59166	94.11	**641**	11	0.02	61450	97.74	**689**	6	0.01	62513	99.44
595	85	0.14	59251	94.25	**642**	16	0.03	61466	97.77	**690**	7	0.01	62520	99.45
596	79	0.13	59330	94.37	**643**	146	0.23	61612	98.00	**691**	2	0.00	62522	99.45
597	101	0.16	59431	94.53	**644**	6	0.01	61618	98.01	**693**	8	0.01	62530	99.46
598	80	0.13	59511	94.66	**645**	36	0.06	61654	98.07	**695**	5	0.01	62535	99.47
599	63	0.10	59574	94.76	**646**	30	0.05	61684	98.12	**697**	47	0.07	62582	99.55
600	49	0.08	59623	94.84	**647**	145	0.23	61829	98.35	**699**	2	0.00	62584	99.55
601	72	0.11	59695	94.95	**648**	49	0.08	61878	98.43	**700**	284	0.45	62868	100.00
602	82	0.13	59777	95.08	**649**	4	0.01	61882	98.43					
603	56	0.09	59833	95.17	**650**	8	0.01	61890	98.44					
604	66	0.10	59899	95.28	**651**	37	0.06	61927	98.50					
605	42	0.07	59941	95.34	**652**	42	0.07	61969	98.57					
606	53	0.08	59994	95.43	**653**	14	0.02	61983	98.59					
607	65	0.10	60059	95.53	**654**	6	0.01	61989	98.60					
608	37	0.06	60096	95.59	**655**	9	0.01	61998	98.62					
609	33	0.05	60129	95.64	**656**	4	0.01	62002	98.62					
610	53	0.08	60182	95.73	**657**	5	0.01	62007	98.63					
611	41	0.07	60223	95.79	**658**	6	0.01	62013	98.64					
612	108	0.17	60331	95.96	**659**	5	0.01	62018	98.65					
613	24	0.04	60355	96.00	**660**	12	0.02	62030	98.67					
614	39	0.06	60394	96.06	**661**	3	0.00	62033	98.67					
615	47	0.07	60441	96.14	**662**	26	0.04	62059	98.71					
616	120	0.19	60561	96.33	**663**	9	0.01	62068	98.73					
617	33	0.05	60594	96.38	**665**	6	0.01	62074	98.74					
618	46	0.07	60640	96.46	**666**	13	0.02	62087	98.76					
619	20	0.03	60660	96.49	**667**	21	0.03	62108	98.79					
620	21	0.03	60681	96.52	**668**	232	0.37	62340	99.16					
621	81	0.13	60762	96.65	**669**	14	0.02	62354	99.18					
622	85	0.14	60847	96.79	**670**	4	0.01	62358	99.19					
623	47	0.07	60894	96.86	**671**	3	0.00	62361	99.19					
624	27	0.04	60921	96.90	**672**	1	0.00	62362	99.20					

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Table 164. Scale Score Distribution, Reading Grade 4

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
180	239	0.38	239	0.38	**325**	2	0.00	313	0.50	**373**	8	0.01	507	0.81
187	1	0.00	240	0.39	**326**	4	0.01	317	0.51	**374**	10	0.02	517	0.83
197	1	0.00	241	0.39	**327**	4	0.01	321	0.51	**375**	2	0.00	519	0.83
211	1	0.00	242	0.39	**328**	1	0.00	322	0.52	**376**	9	0.01	528	0.85
212	1	0.00	243	0.39	**329**	2	0.00	324	0.52	**377**	2	0.00	530	0.85
213	1	0.00	244	0.39	**331**	3	0.00	327	0.52	**378**	10	0.02	540	0.87
231	1	0.00	245	0.39	**332**	1	0.00	328	0.53	**379**	8	0.01	548	0.88
238	1	0.00	246	0.39	**333**	3	0.00	331	0.53	**380**	10	0.02	558	0.90
242	1	0.00	247	0.40	**334**	3	0.00	334	0.54	**381**	10	0.02	568	0.91
245	1	0.00	248	0.40	**335**	3	0.00	337	0.54	**382**	9	0.01	577	0.93
254	1	0.00	249	0.40	**336**	6	0.01	343	0.55	**383**	7	0.01	584	0.94
266	1	0.00	250	0.40	**337**	3	0.00	346	0.56	**384**	7	0.01	591	0.95
267	1	0.00	251	0.40	**338**	2	0.00	348	0.56	**385**	11	0.02	602	0.97
272	1	0.00	252	0.40	**339**	5	0.01	353	0.57	**386**	8	0.01	610	0.98
273	1	0.00	253	0.41	**340**	5	0.01	358	0.57	**387**	7	0.01	617	0.99
279	1	0.00	254	0.41	**341**	1	0.00	359	0.58	**388**	7	0.01	624	1.00
282	1	0.00	255	0.41	**342**	4	0.01	363	0.58	**389**	13	0.02	637	1.02
284	1	0.00	256	0.41	**343**	1	0.00	364	0.58	**390**	10	0.02	647	1.04
287	1	0.00	257	0.41	**344**	2	0.00	366	0.59	**391**	11	0.02	658	1.06
288	2	0.00	259	0.42	**345**	3	0.00	369	0.59	**392**	5	0.01	663	1.06
290	2	0.00	261	0.42	**346**	2	0.00	371	0.60	**393**	11	0.02	674	1.08
291	1	0.00	262	0.42	**347**	3	0.00	374	0.60	**394**	9	0.01	683	1.10
292	1	0.00	263	0.42	**348**	7	0.01	381	0.61	**395**	7	0.01	690	1.11
294	1	0.00	264	0.42	**349**	2	0.00	383	0.61	**396**	6	0.01	696	1.12
297	2	0.00	266	0.43	**350**	1	0.00	384	0.62	**397**	16	0.03	712	1.14
299	3	0.00	269	0.43	**351**	3	0.00	387	0.62	**398**	10	0.02	722	1.16
300	2	0.00	271	0.43	**352**	4	0.01	391	0.63	**399**	11	0.02	733	1.18
301	2	0.00	273	0.44	**353**	7	0.01	398	0.64	**400**	10	0.02	743	1.19
302	1	0.00	274	0.44	**354**	10	0.02	408	0.65	**401**	14	0.02	757	1.21
305	1	0.00	275	0.44	**355**	1	0.00	409	0.66	**402**	14	0.02	771	1.24
306	1	0.00	276	0.44	**356**	4	0.01	413	0.66	**403**	14	0.02	785	1.26
307	1	0.00	277	0.44	**357**	2	0.00	415	0.67	**404**	12	0.02	797	1.28
308	3	0.00	280	0.45	**358**	5	0.01	420	0.67	**405**	12	0.02	809	1.30
309	1	0.00	281	0.45	**359**	7	0.01	427	0.69	**406**	14	0.02	823	1.32
310	3	0.00	284	0.46	**360**	3	0.00	430	0.69	**407**	21	0.03	844	1.35
311	1	0.00	285	0.46	**361**	4	0.01	434	0.70	**408**	12	0.02	856	1.37
312	1	0.00	286	0.46	**362**	5	0.01	439	0.70	**409**	9	0.01	865	1.39
313	3	0.00	289	0.46	**363**	9	0.01	448	0.72	**410**	16	0.03	881	1.41
314	3	0.00	292	0.47	**364**	6	0.01	454	0.73	**411**	10	0.02	891	1.43
315	1	0.00	293	0.47	**365**	5	0.01	459	0.74	**412**	14	0.02	905	1.45
317	1	0.00	294	0.47	**366**	8	0.01	467	0.75	**413**	7	0.01	912	1.46
319	3	0.00	297	0.48	**367**	4	0.01	471	0.76	**414**	13	0.02	925	1.48
320	1	0.00	298	0.48	**368**	8	0.01	479	0.77	**415**	17	0.03	942	1.51
321	2	0.00	300	0.48	**369**	4	0.01	483	0.77	**416**	12	0.02	954	1.53
322	4	0.01	304	0.49	**370**	7	0.01	490	0.79	**417**	12	0.02	966	1.55
323	5	0.01	309	0.50	**371**	5	0.01	495	0.79	**418**	17	0.03	983	1.58
324	2	0.00	311	0.50	**372**	4	0.01	499	0.80	**419**	13	0.02	996	1.60

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Table 164. Scale Score Distribution, Reading Grade 4 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
420	17	0.03	1013	1.63	**467**	48	0.08	2426	3.89	**514**	140	0.22	6722	10.78
421	21	0.03	1034	1.66	**468**	54	0.09	2480	3.98	**515**	155	0.25	6877	11.03
422	18	0.03	1052	1.69	**469**	43	0.07	2523	4.05	**516**	153	0.25	7030	11.28
423	17	0.03	1069	1.72	**470**	63	0.10	2586	4.15	**517**	164	0.26	7194	11.54
424	12	0.02	1081	1.73	**471**	68	0.11	2654	4.26	**518**	144	0.23	7338	11.77
425	12	0.02	1093	1.75	**472**	51	0.08	2705	4.34	**519**	153	0.25	7491	12.02
426	20	0.03	1113	1.79	**473**	54	0.09	2759	4.43	**520**	158	0.25	7649	12.27
427	21	0.03	1134	1.82	**474**	62	0.10	2821	4.53	**521**	155	0.25	7804	12.52
428	17	0.03	1151	1.85	**475**	56	0.09	2877	4.62	**522**	181	0.29	7985	12.81
429	22	0.04	1173	1.88	**476**	71	0.11	2948	4.73	**523**	174	0.28	8159	13.09
430	27	0.04	1200	1.93	**477**	66	0.11	3014	4.84	**524**	213	0.34	8372	13.43
431	15	0.02	1215	1.95	**478**	66	0.11	3080	4.94	**525**	202	0.32	8574	13.76
432	22	0.04	1237	1.98	**479**	64	0.10	3144	5.04	**526**	194	0.31	8768	14.07
433	18	0.03	1255	2.01	**480**	61	0.10	3205	5.14	**527**	178	0.29	8946	14.35
434	28	0.04	1283	2.06	**481**	56	0.09	3261	5.23	**528**	189	0.30	9135	14.66
435	22	0.04	1305	2.09	**482**	67	0.11	3328	5.34	**529**	205	0.33	9340	14.98
436	25	0.04	1330	2.13	**483**	79	0.13	3407	5.47	**530**	209	0.34	9549	15.32
437	17	0.03	1347	2.16	**484**	75	0.12	3482	5.59	**531**	195	0.31	9744	15.63
438	26	0.04	1373	2.20	**485**	68	0.11	3550	5.70	**532**	194	0.31	9938	15.94
439	30	0.05	1403	2.25	**486**	81	0.13	3631	5.83	**533**	195	0.31	10133	16.26
440	28	0.04	1431	2.30	**487**	75	0.12	3706	5.95	**534**	208	0.33	10341	16.59
441	22	0.04	1453	2.33	**488**	89	0.14	3795	6.09	**535**	226	0.36	10567	16.95
442	38	0.06	1491	2.39	**489**	82	0.13	3877	6.22	**536**	207	0.33	10774	17.29
443	32	0.05	1523	2.44	**490**	95	0.15	3972	6.37	**537**	196	0.31	10970	17.60
444	31	0.05	1554	2.49	**491**	95	0.15	4067	6.52	**538**	221	0.35	11191	17.95
445	29	0.05	1583	2.54	**492**	93	0.15	4160	6.67	**539**	238	0.38	11429	18.34
446	36	0.06	1619	2.60	**493**	83	0.13	4243	6.81	**540**	237	0.38	11666	18.72
447	30	0.05	1649	2.65	**494**	97	0.16	4340	6.96	**541**	272	0.44	11938	19.15
448	42	0.07	1691	2.71	**495**	100	0.16	4440	7.12	**542**	252	0.40	12190	19.56
449	39	0.06	1730	2.78	**496**	105	0.17	4545	7.29	**543**	278	0.45	12468	20.00
450	33	0.05	1763	2.83	**497**	92	0.15	4637	7.44	**544**	245	0.39	12713	20.40
451	33	0.05	1796	2.88	**498**	115	0.18	4752	7.62	**545**	263	0.42	12976	20.82
452	31	0.05	1827	2.93	**499**	94	0.15	4846	7.77	**546**	280	0.45	13256	21.27
453	37	0.06	1864	2.99	**500**	93	0.15	4939	7.92	**547**	278	0.45	13534	21.71
454	39	0.06	1903	3.05	**501**	123	0.20	5062	8.12	**548**	300	0.48	13834	22.19
455	30	0.05	1933	3.10	**502**	111	0.18	5173	8.30	**549**	300	0.48	14134	22.68
456	44	0.07	1977	3.17	**503**	123	0.20	5296	8.50	**550**	304	0.49	14438	23.16
457	33	0.05	2010	3.22	**504**	111	0.18	5407	8.67	**551**	288	0.46	14726	23.63
458	47	0.08	2057	3.30	**505**	126	0.20	5533	8.88	**552**	280	0.45	15006	24.07
459	37	0.06	2094	3.36	**506**	129	0.21	5662	9.08	**553**	294	0.47	15300	24.55
460	42	0.07	2136	3.43	**507**	123	0.20	5785	9.28	**554**	308	0.49	15608	25.04
461	42	0.07	2178	3.49	**508**	133	0.21	5918	9.49	**555**	288	0.46	15896	25.50
462	41	0.07	2219	3.56	**509**	118	0.19	6036	9.68	**556**	316	0.51	16212	26.01
463	48	0.08	2267	3.64	**510**	128	0.21	6164	9.89	**557**	330	0.53	16542	26.54
464	39	0.06	2306	3.70	**511**	136	0.22	6300	10.11	**558**	355	0.57	16897	27.11
465	45	0.07	2351	3.77	**512**	141	0.23	6441	10.33	**559**	315	0.51	17212	27.61
466	27	0.04	2378	3.82	**513**	141	0.23	6582	10.56	**560**	306	0.49	17518	28.10

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Table 164. Scale Score Distribution, Reading Grade 4 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
561	312	0.50	17830	28.61	**608**	482	0.77	38628	61.97	**655**	244	0.39	56725	91.01
562	374	0.60	18204	29.21	**609**	469	0.75	39097	62.72	**656**	222	0.36	56947	91.36
563	369	0.59	18573	29.80	**610**	506	0.81	39603	63.54	**657**	215	0.34	57162	91.71
564	336	0.54	18909	30.34	**611**	497	0.80	40100	64.33	**658**	219	0.35	57381	92.06
565	331	0.53	19240	30.87	**612**	447	0.72	40547	65.05	**659**	207	0.33	57588	92.39
566	378	0.61	19618	31.47	**613**	515	0.83	41062	65.88	**660**	208	0.33	57796	92.72
567	379	0.61	19997	32.08	**614**	462	0.74	41524	66.62	**661**	220	0.35	58016	93.08
568	372	0.60	20369	32.68	**615**	470	0.75	41994	67.37	**662**	172	0.28	58188	93.35
569	361	0.58	20730	33.26	**616**	441	0.71	42435	68.08	**663**	186	0.30	58374	93.65
570	393	0.63	21123	33.89	**617**	470	0.75	42905	68.83	**664**	184	0.30	58558	93.95
571	376	0.60	21499	34.49	**618**	468	0.75	43373	69.58	**665**	158	0.25	58716	94.20
572	407	0.65	21906	35.14	**619**	465	0.75	43838	70.33	**666**	156	0.25	58872	94.45
573	422	0.68	22328	35.82	**620**	439	0.70	44277	71.04	**667**	175	0.28	59047	94.73
574	400	0.64	22728	36.46	**621**	443	0.71	44720	71.75	**668**	139	0.22	59186	94.95
575	435	0.70	23163	37.16	**622**	455	0.73	45175	72.48	**669**	140	0.22	59326	95.18
576	396	0.64	23559	37.80	**623**	481	0.77	45656	73.25	**670**	144	0.23	59470	95.41
577	417	0.67	23976	38.47	**624**	431	0.69	46087	73.94	**671**	125	0.20	59595	95.61
578	387	0.62	24363	39.09	**625**	449	0.72	46536	74.66	**672**	113	0.18	59708	95.79
579	454	0.73	24817	39.81	**626**	437	0.70	46973	75.36	**673**	141	0.23	59849	96.02
580	426	0.68	25243	40.50	**627**	445	0.71	47418	76.07	**674**	105	0.17	59954	96.19
581	440	0.71	25683	41.20	**628**	416	0.67	47834	76.74	**675**	107	0.17	60061	96.36
582	454	0.73	26137	41.93	**629**	424	0.68	48258	77.42	**676**	120	0.19	60181	96.55
583	440	0.71	26577	42.64	**630**	393	0.63	48651	78.05	**677**	97	0.16	60278	96.71
584	438	0.70	27015	43.34	**631**	399	0.64	49050	78.69	**678**	108	0.17	60386	96.88
585	429	0.69	27444	44.03	**632**	410	0.66	49460	79.35	**679**	63	0.10	60449	96.98
586	466	0.75	27910	44.78	**633**	364	0.58	49824	79.93	**680**	93	0.15	60542	97.13
587	441	0.71	28351	45.48	**634**	404	0.65	50228	80.58	**681**	121	0.19	60663	97.32
588	448	0.72	28799	46.20	**635**	372	0.60	50600	81.18	**682**	95	0.15	60758	97.48
589	524	0.84	29323	47.04	**636**	380	0.61	50980	81.79	**683**	71	0.11	60829	97.59
590	463	0.74	29786	47.79	**637**	382	0.61	51362	82.40	**684**	73	0.12	60902	97.71
591	477	0.77	30263	48.55	**638**	371	0.60	51733	83.00	**685**	62	0.10	60964	97.81
592	482	0.77	30745	49.33	**639**	360	0.58	52093	83.57	**686**	61	0.10	61025	97.90
593	507	0.81	31252	50.14	**640**	339	0.54	52432	84.12	**687**	68	0.11	61093	98.01
594	468	0.75	31720	50.89	**641**	325	0.52	52757	84.64	**688**	54	0.09	61147	98.10
595	477	0.77	32197	51.65	**642**	316	0.51	53073	85.15	**689**	69	0.11	61216	98.21
596	441	0.71	32638	52.36	**643**	291	0.47	53364	85.61	**690**	52	0.08	61268	98.29
597	484	0.78	33122	53.14	**644**	307	0.49	53671	86.11	**691**	52	0.08	61320	98.38
598	517	0.83	33639	53.97	**645**	317	0.51	53988	86.62	**692**	46	0.07	61366	98.45
599	495	0.79	34134	54.76	**646**	294	0.47	54282	87.09	**693**	38	0.06	61404	98.51
600	482	0.77	34616	55.54	**647**	295	0.47	54577	87.56	**694**	39	0.06	61443	98.58
601	518	0.83	35134	56.37	**648**	300	0.48	54877	88.04	**695**	45	0.07	61488	98.65
602	500	0.80	35634	57.17	**649**	276	0.44	55153	88.48	**696**	42	0.07	61530	98.71
603	527	0.85	36161	58.01	**650**	271	0.43	55424	88.92	**697**	40	0.06	61570	98.78
604	485	0.78	36646	58.79	**651**	275	0.44	55699	89.36	**698**	38	0.06	61608	98.84
605	488	0.78	37134	59.58	**652**	268	0.43	55967	89.79	**699**	32	0.05	61640	98.89
606	497	0.80	37631	60.37	**653**	258	0.41	56225	90.20	**700**	28	0.04	61668	98.94
607	515	0.83	38146	61.20	**654**	256	0.41	56481	90.61	**701**	36	0.06	61704	98.99

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Table 164. Scale Score Distribution, Reading Grade 4 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
702	38	0.06	61742	99.06	**750**	3	0.00	62299	99.95
703	29	0.05	61771	99.10	**751**	2	0.00	62301	99.95
704	38	0.06	61809	99.16	**752**	2	0.00	62303	99.96
705	24	0.04	61833	99.20	**753**	1	0.00	62304	99.96
706	22	0.04	61855	99.24	**755**	2	0.00	62306	99.96
707	28	0.04	61883	99.28	**756**	1	0.00	62307	99.96
708	25	0.04	61908	99.32	**757**	2	0.00	62309	99.96
709	30	0.05	61938	99.37	**761**	2	0.00	62311	99.97
710	21	0.03	61959	99.40	**762**	1	0.00	62312	99.97
711	18	0.03	61977	99.43	**763**	1	0.00	62313	99.97
712	12	0.02	61989	99.45	**764**	1	0.00	62314	99.97
713	18	0.03	62007	99.48	**766**	1	0.00	62315	99.97
714	13	0.02	62020	99.50	**771**	1	0.00	62316	99.98
715	22	0.04	62042	99.54	**773**	1	0.00	62317	99.98
716	15	0.02	62057	99.56	**778**	1	0.00	62318	99.98
717	16	0.03	62073	99.59	**780**	1	0.00	62319	99.98
718	16	0.03	62089	99.61	**783**	1	0.00	62320	99.98
719	10	0.02	62099	99.63	**790**	1	0.00	62321	99.98
720	12	0.02	62111	99.65	**792**	1	0.00	62322	99.99
721	12	0.02	62123	99.67	**793**	1	0.00	62323	99.99
722	16	0.03	62139	99.69	**794**	1	0.00	62324	99.99
723	7	0.01	62146	99.70	**800**	1	0.00	62325	99.99
724	10	0.02	62156	99.72	**801**	1	0.00	62326	99.99
725	8	0.01	62164	99.73	**808**	1	0.00	62327	99.99
726	9	0.01	62173	99.75	**828**	1	0.00	62328	100.00
727	14	0.02	62187	99.77	**830**	1	0.00	62329	100.00
728	5	0.01	62192	99.78	**839**	1	0.00	62330	100.00
729	8	0.01	62200	99.79	**871**	1	0.00	62331	100.00
730	6	0.01	62206	99.80					
731	7	0.01	62213	99.81					
732	12	0.02	62225	99.83					
733	10	0.02	62235	99.85					
734	9	0.01	62244	99.86					
735	5	0.01	62249	99.87					
736	3	0.00	62252	99.87					
737	4	0.01	62256	99.88					
738	5	0.01	62261	99.89					
739	5	0.01	62266	99.90					
740	3	0.00	62269	99.90					
741	2	0.00	62271	99.90					
742	3	0.00	62274	99.91					
743	4	0.01	62278	99.91					
745	4	0.01	62282	99.92					
746	4	0.01	62286	99.93					
747	1	0.00	62287	99.93					
748	6	0.01	62293	99.94					
749	3	0.00	62296	99.94					

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Table 165. Scale Score Distribution, Reading Grade 4 (Spanish)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
443	1	0.80	1	0.80	**541**	2	1.60	76	60.80
456	1	0.80	2	1.60	**542**	1	0.80	77	61.60
459	1	0.80	3	2.40	**543**	2	1.60	79	63.20
460	1	0.80	4	3.20	**545**	3	2.40	82	65.60
461	1	0.80	5	4.00	**547**	2	1.60	84	67.20
474	1	0.80	6	4.80	**550**	1	0.80	85	68.00
475	1	0.80	7	5.60	**551**	1	0.80	86	68.80
476	1	0.80	8	6.40	**552**	1	0.80	87	69.60
482	1	0.80	9	7.20	**554**	2	1.60	89	71.20
483	1	0.80	10	8.00	**555**	2	1.60	91	72.80
484	1	0.80	11	8.80	**557**	2	1.60	93	74.40
485	1	0.80	12	9.60	**558**	3	2.40	96	76.80
487	2	1.60	14	11.20	**559**	2	1.60	98	78.40
490	1	0.80	15	12.00	**560**	2	1.60	100	80.00
491	3	2.40	18	14.40	**562**	1	0.80	101	80.80
492	1	0.80	19	15.20	**563**	1	0.80	102	81.60
497	1	0.80	20	16.00	**565**	1	0.80	103	82.40
499	1	0.80	21	16.80	**566**	1	0.80	104	83.20
500	2	1.60	23	18.40	**567**	2	1.60	106	84.80
501	2	1.60	25	20.00	**568**	2	1.60	108	86.40
502	2	1.60	27	21.60	**569**	2	1.60	110	88.00
503	2	1.60	29	23.20	**571**	3	2.40	113	90.40
509	1	0.80	30	24.00	**572**	2	1.60	115	92.00
510	1	0.80	31	24.80	**573**	3	2.40	118	94.40
513	1	0.80	32	25.60	**574**	1	0.80	119	95.20
514	2	1.60	34	27.20	**584**	2	1.60	121	96.80
516	3	2.40	37	29.60	**589**	1	0.80	122	97.60
517	1	0.80	38	30.40	**590**	1	0.80	123	98.40
519	2	1.60	40	32.00	**592**	1	0.80	124	99.20
520	2	1.60	42	33.60	**599**	1	0.80	125	100.00
521	1	0.80	43	34.40					
522	2	1.60	45	36.00					
524	2	1.60	47	37.60					
525	2	1.60	49	39.20					
526	2	1.60	51	40.80					
527	1	0.80	52	41.60					
528	1	0.80	53	42.40					
529	1	0.80	54	43.20					
530	3	2.40	57	45.60					
532	2	1.60	59	47.20					
533	1	0.80	60	48.00					
534	5	4.00	65	52.00					
535	2	1.60	67	53.60					
536	2	1.60	69	55.20					
537	2	1.60	71	56.80					
539	1	0.80	72	57.60					
540	2	1.60	74	59.20					

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Table 166. Scale Score Distribution, Writing Grade 4

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
190	8	0.01	8	0.01	**306**	4	0.01	96	0.15	**353**	9	0.01	436	0.70
204	1	0.00	9	0.01	**307**	5	0.01	101	0.16	**354**	15	0.02	451	0.72
206	1	0.00	10	0.02	**308**	4	0.01	105	0.17	**355**	15	0.02	466	0.75
212	1	0.00	11	0.02	**309**	2	0.00	107	0.17	**356**	16	0.03	482	0.77
214	1	0.00	12	0.02	**310**	2	0.00	109	0.17	**357**	17	0.03	499	0.80
219	1	0.00	13	0.02	**311**	3	0.00	112	0.18	**358**	13	0.02	512	0.82
231	1	0.00	14	0.02	**312**	5	0.01	117	0.19	**359**	22	0.04	534	0.86
241	1	0.00	15	0.02	**313**	1	0.00	118	0.19	**360**	19	0.03	553	0.89
246	1	0.00	16	0.03	**314**	4	0.01	122	0.20	**361**	24	0.04	577	0.93
248	3	0.00	19	0.03	**315**	1	0.00	123	0.20	**362**	22	0.04	599	0.96
249	1	0.00	20	0.03	**316**	3	0.00	126	0.20	**363**	21	0.03	620	1.00
251	1	0.00	21	0.03	**317**	2	0.00	128	0.21	**364**	23	0.04	643	1.03
254	1	0.00	22	0.04	**318**	4	0.01	132	0.21	**365**	30	0.05	673	1.08
257	1	0.00	23	0.04	**319**	5	0.01	137	0.22	**366**	24	0.04	697	1.12
263	1	0.00	24	0.04	**320**	7	0.01	144	0.23	**367**	33	0.05	730	1.17
266	2	0.00	26	0.04	**321**	3	0.00	147	0.24	**368**	34	0.05	764	1.23
267	2	0.00	28	0.04	**322**	4	0.01	151	0.24	**369**	26	0.04	790	1.27
270	1	0.00	29	0.05	**323**	3	0.00	154	0.25	**370**	30	0.05	820	1.32
271	1	0.00	30	0.05	**324**	6	0.01	160	0.26	**371**	25	0.04	845	1.36
272	1	0.00	31	0.05	**325**	9	0.01	169	0.27	**372**	47	0.08	892	1.43
273	1	0.00	32	0.05	**326**	4	0.01	173	0.28	**373**	28	0.04	920	1.48
275	2	0.00	34	0.05	**327**	4	0.01	177	0.28	**374**	38	0.06	958	1.54
276	2	0.00	36	0.06	**328**	3	0.00	180	0.29	**375**	33	0.05	991	1.59
277	1	0.00	37	0.06	**329**	5	0.01	185	0.30	**376**	49	0.08	1040	1.67
278	1	0.00	38	0.06	**330**	4	0.01	189	0.30	**377**	33	0.05	1073	1.72
280	1	0.00	39	0.06	**331**	4	0.01	193	0.31	**378**	52	0.08	1125	1.81
282	2	0.00	41	0.07	**332**	4	0.01	197	0.32	**379**	39	0.06	1164	1.87
283	2	0.00	43	0.07	**333**	3	0.00	200	0.32	**380**	27	0.04	1191	1.91
285	1	0.00	44	0.07	**334**	12	0.02	212	0.34	**381**	51	0.08	1242	1.99
286	2	0.00	46	0.07	**335**	9	0.01	221	0.35	**382**	55	0.09	1297	2.08
287	2	0.00	48	0.08	**336**	18	0.03	239	0.38	**383**	47	0.08	1344	2.16
288	1	0.00	49	0.08	**337**	4	0.01	243	0.39	**384**	50	0.08	1394	2.24
289	3	0.00	52	0.08	**338**	8	0.01	251	0.40	**385**	66	0.11	1460	2.34
290	3	0.00	55	0.09	**339**	6	0.01	257	0.41	**386**	58	0.09	1518	2.44
291	3	0.00	58	0.09	**340**	10	0.02	267	0.43	**387**	67	0.11	1585	2.54
292	3	0.00	61	0.10	**341**	13	0.02	280	0.45	**388**	49	0.08	1634	2.62
293	1	0.00	62	0.10	**342**	10	0.02	290	0.47	**389**	56	0.09	1690	2.71
294	1	0.00	63	0.10	**343**	13	0.02	303	0.49	**390**	69	0.11	1759	2.82
295	5	0.01	68	0.11	**344**	16	0.03	319	0.51	**391**	78	0.13	1837	2.95
296	4	0.01	72	0.12	**345**	14	0.02	333	0.53	**392**	64	0.10	1901	3.05
299	1	0.00	73	0.12	**346**	7	0.01	340	0.55	**393**	66	0.11	1967	3.16
300	2	0.00	75	0.12	**347**	6	0.01	346	0.56	**394**	59	0.09	2026	3.25
301	2	0.00	77	0.12	**348**	20	0.03	366	0.59	**395**	73	0.12	2099	3.37
302	5	0.01	82	0.13	**349**	9	0.01	375	0.60	**396**	100	0.16	2199	3.53
303	3	0.00	85	0.14	**350**	15	0.02	390	0.63	**397**	97	0.16	2296	3.68
304	3	0.00	88	0.14	**351**	21	0.03	411	0.66	**398**	87	0.14	2383	3.82
305	4	0.01	92	0.15	**352**	16	0.03	427	0.69	**399**	96	0.15	2479	3.98

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Table 166. Scale Score Distribution, Writing Grade 4 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
400	89	0.14	2568	4.12	**447**	310	0.50	11881	19.07	**494**	467	0.75	32494	52.15
401	93	0.15	2661	4.27	**448**	343	0.55	12224	19.62	**495**	460	0.74	32954	52.89
402	98	0.16	2759	4.43	**449**	331	0.53	12555	20.15	**496**	496	0.80	33450	53.68
403	105	0.17	2864	4.60	**450**	353	0.57	12908	20.72	**497**	495	0.79	33945	54.48
404	120	0.19	2984	4.79	**451**	318	0.51	13226	21.23	**498**	525	0.84	34470	55.32
405	107	0.17	3091	4.96	**452**	317	0.51	13543	21.74	**499**	483	0.78	34953	56.10
406	99	0.16	3190	5.12	**453**	367	0.59	13910	22.32	**500**	470	0.75	35423	56.85
407	112	0.18	3302	5.30	**454**	316	0.51	14226	22.83	**501**	502	0.81	35925	57.66
408	110	0.18	3412	5.48	**455**	351	0.56	14577	23.40	**502**	491	0.79	36416	58.45
409	116	0.19	3528	5.66	**456**	346	0.56	14923	23.95	**503**	500	0.80	36916	59.25
410	123	0.20	3651	5.86	**457**	398	0.64	15321	24.59	**504**	545	0.87	37461	60.12
411	113	0.18	3764	6.04	**458**	395	0.63	15716	25.22	**505**	503	0.81	37964	60.93
412	134	0.22	3898	6.26	**459**	416	0.67	16132	25.89	**506**	506	0.81	38470	61.74
413	133	0.21	4031	6.47	**460**	384	0.62	16516	26.51	**507**	477	0.77	38947	62.51
414	130	0.21	4161	6.68	**461**	437	0.70	16953	27.21	**508**	505	0.81	39452	63.32
415	120	0.19	4281	6.87	**462**	417	0.67	17370	27.88	**509**	468	0.75	39920	64.07
416	143	0.23	4424	7.10	**463**	378	0.61	17748	28.48	**510**	461	0.74	40381	64.81
417	170	0.27	4594	7.37	**464**	435	0.70	18183	29.18	**511**	480	0.77	40861	65.58
418	167	0.27	4761	7.64	**465**	407	0.65	18590	29.84	**512**	472	0.76	41333	66.34
419	173	0.28	4934	7.92	**466**	405	0.65	18995	30.49	**513**	468	0.75	41801	67.09
420	177	0.28	5111	8.20	**467**	446	0.72	19441	31.20	**514**	452	0.73	42253	67.81
421	163	0.26	5274	8.46	**468**	423	0.68	19864	31.88	**515**	454	0.73	42707	68.54
422	174	0.28	5448	8.74	**469**	462	0.74	20326	32.62	**516**	421	0.68	43128	69.22
423	176	0.28	5624	9.03	**470**	454	0.73	20780	33.35	**517**	474	0.76	43602	69.98
424	189	0.30	5813	9.33	**471**	452	0.73	21232	34.08	**518**	407	0.65	44009	70.63
425	219	0.35	6032	9.68	**472**	450	0.72	21682	34.80	**519**	493	0.79	44502	71.42
426	229	0.37	6261	10.05	**473**	503	0.81	22185	35.61	**520**	404	0.65	44906	72.07
427	235	0.38	6496	10.43	**474**	449	0.72	22634	36.33	**521**	433	0.69	45339	72.77
428	217	0.35	6713	10.77	**475**	479	0.77	23113	37.09	**522**	453	0.73	45792	73.49
429	235	0.38	6948	11.15	**476**	450	0.72	23563	37.82	**523**	450	0.72	46242	74.22
430	220	0.35	7168	11.50	**477**	463	0.74	24026	38.56	**524**	374	0.60	46616	74.82
431	244	0.39	7412	11.90	**478**	486	0.78	24512	39.34	**525**	428	0.69	47044	75.50
432	248	0.40	7660	12.29	**479**	471	0.76	24983	40.10	**526**	372	0.60	47416	76.10
433	238	0.38	7898	12.68	**480**	506	0.81	25489	40.91	**527**	405	0.65	47821	76.75
434	252	0.40	8150	13.08	**481**	510	0.82	25999	41.73	**528**	372	0.60	48193	77.35
435	259	0.42	8409	13.50	**482**	488	0.78	26487	42.51	**529**	379	0.61	48572	77.95
436	237	0.38	8646	13.88	**483**	496	0.80	26983	43.31	**530**	385	0.62	48957	78.57
437	276	0.44	8922	14.32	**484**	490	0.79	27473	44.09	**531**	342	0.55	49299	79.12
438	268	0.43	9190	14.75	**485**	502	0.81	27975	44.90	**532**	374	0.60	49673	79.72
439	294	0.47	9484	15.22	**486**	505	0.81	28480	45.71	**533**	351	0.56	50024	80.29
440	288	0.46	9772	15.68	**487**	523	0.84	29003	46.55	**534**	322	0.52	50346	80.80
441	287	0.46	10059	16.14	**488**	515	0.83	29518	47.37	**535**	373	0.60	50719	81.40
442	299	0.48	10358	16.62	**489**	504	0.81	30022	48.18	**536**	325	0.52	51044	81.92
443	277	0.44	10635	17.07	**490**	464	0.74	30486	48.93	**537**	325	0.52	51369	82.44
444	306	0.49	10941	17.56	**491**	515	0.83	31001	49.75	**538**	307	0.49	51676	82.94
445	317	0.51	11258	18.07	**492**	516	0.83	31517	50.58	**539**	288	0.46	51964	83.40
446	313	0.50	11571	18.57	**493**	510	0.82	32027	51.40	**540**	284	0.46	52248	83.85

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Table 166. Scale Score Distribution, Writing Grade 4 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
541	306	0.49	52554	84.35	**588**	167	0.27	60472	97.05	**635**	9	0.01	61958	99.44
542	277	0.44	52831	84.79	**589**	62	0.10	60534	97.15	**636**	3	0.00	61961	99.44
543	312	0.50	53143	85.29	**590**	59	0.09	60593	97.25	**637**	4	0.01	61965	99.45
544	275	0.44	53418	85.73	**591**	58	0.09	60651	97.34	**638**	14	0.02	61979	99.47
545	293	0.47	53711	86.20	**592**	50	0.08	60701	97.42	**639**	47	0.08	62026	99.55
546	239	0.38	53950	86.59	**593**	47	0.08	60748	97.50	**640**	12	0.02	62038	99.57
547	251	0.40	54201	86.99	**594**	46	0.07	60794	97.57	**641**	4	0.01	62042	99.57
548	277	0.44	54478	87.43	**595**	49	0.08	60843	97.65	**642**	13	0.02	62055	99.59
549	255	0.41	54733	87.84	**596**	41	0.07	60884	97.71	**643**	15	0.02	62070	99.62
550	243	0.39	54976	88.23	**597**	48	0.08	60932	97.79	**644**	1	0.00	62071	99.62
551	245	0.39	55221	88.63	**598**	42	0.07	60974	97.86	**645**	7	0.01	62078	99.63
552	192	0.31	55413	88.93	**599**	50	0.08	61024	97.94	**646**	6	0.01	62084	99.64
553	216	0.35	55629	89.28	**600**	71	0.11	61095	98.05	**647**	5	0.01	62089	99.65
554	205	0.33	55834	89.61	**601**	46	0.07	61141	98.13	**648**	13	0.02	62102	99.67
555	206	0.33	56040	89.94	**602**	46	0.07	61187	98.20	**649**	6	0.01	62108	99.68
556	174	0.28	56214	90.22	**603**	37	0.06	61224	98.26	**650**	6	0.01	62114	99.69
557	225	0.36	56439	90.58	**604**	53	0.09	61277	98.35	**651**	4	0.01	62118	99.70
558	200	0.32	56639	90.90	**605**	20	0.03	61297	98.38	**652**	3	0.00	62121	99.70
559	174	0.28	56813	91.18	**606**	32	0.05	61329	98.43	**653**	1	0.00	62122	99.70
560	200	0.32	57013	91.50	**607**	25	0.04	61354	98.47	**654**	4	0.01	62126	99.71
561	143	0.23	57156	91.73	**608**	22	0.04	61376	98.50	**657**	4	0.01	62130	99.71
562	181	0.29	57337	92.02	**609**	51	0.08	61427	98.59	**659**	1	0.00	62131	99.72
563	147	0.24	57484	92.26	**610**	24	0.04	61451	98.62	**660**	3	0.00	62134	99.72
564	181	0.29	57665	92.55	**611**	27	0.04	61478	98.67	**661**	1	0.00	62135	99.72
565	151	0.24	57816	92.79	**612**	23	0.04	61501	98.70	**663**	29	0.05	62164	99.77
566	155	0.25	57971	93.04	**613**	37	0.06	61538	98.76	**666**	21	0.03	62185	99.80
567	148	0.24	58119	93.28	**614**	10	0.02	61548	98.78	**667**	11	0.02	62196	99.82
568	192	0.31	58311	93.59	**615**	31	0.05	61579	98.83	**668**	1	0.00	62197	99.82
569	145	0.23	58456	93.82	**616**	30	0.05	61609	98.88	**670**	21	0.03	62218	99.86
570	145	0.23	58601	94.05	**617**	26	0.04	61635	98.92	**671**	6	0.01	62224	99.87
571	127	0.20	58728	94.25	**618**	47	0.08	61682	99.00	**674**	4	0.01	62228	99.87
572	133	0.21	58861	94.47	**619**	13	0.02	61695	99.02	**675**	9	0.01	62237	99.89
573	98	0.16	58959	94.63	**620**	20	0.03	61715	99.05	**678**	5	0.01	62242	99.89
574	149	0.24	59108	94.86	**621**	46	0.07	61761	99.12	**680**	1	0.00	62243	99.90
575	85	0.14	59193	95.00	**622**	23	0.04	61784	99.16	**681**	1	0.00	62244	99.90
576	100	0.16	59293	95.16	**623**	23	0.04	61807	99.20	**684**	3	0.00	62247	99.90
577	112	0.18	59405	95.34	**624**	41	0.07	61848	99.26	**688**	2	0.00	62249	99.91
578	115	0.18	59520	95.53	**625**	16	0.03	61864	99.29	**691**	1	0.00	62250	99.91
579	171	0.27	59691	95.80	**626**	17	0.03	61881	99.31	**695**	2	0.00	62252	99.91
580	126	0.20	59817	96.00	**627**	7	0.01	61888	99.33	**698**	3	0.00	62255	99.91
581	64	0.10	59881	96.10	**628**	10	0.02	61898	99.34	**704**	6	0.01	62261	99.92
582	72	0.12	59953	96.22	**629**	16	0.03	61914	99.37	**709**	4	0.01	62265	99.93
583	85	0.14	60038	96.36	**630**	13	0.02	61927	99.39	**711**	17	0.03	62282	99.96
584	68	0.11	60106	96.47	**631**	3	0.00	61930	99.39	**713**	1	0.00	62283	99.96
585	60	0.10	60166	96.56	**632**	6	0.01	61936	99.40	**716**	10	0.02	62293	99.98
586	70	0.11	60236	96.67	**633**	9	0.01	61945	99.42	**727**	1	0.00	62294	99.98
587	69	0.11	60305	96.79	**634**	4	0.01	61949	99.42	**730**	14	0.02	62308	100.00

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Table 167. Scale Score Distribution, Writing Grade 4 (Spanish)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
398	1	0.82	1	0.82	**515**	2	1.64	68	55.74
406	1	0.82	2	1.64	**516**	2	1.64	70	57.38
409	1	0.82	3	2.46	**517**	1	0.82	71	58.20
411	1	0.82	4	3.28	**520**	1	0.82	72	59.02
413	1	0.82	5	4.10	**521**	2	1.64	74	60.66
421	1	0.82	6	4.92	**522**	1	0.82	75	61.48
425	1	0.82	7	5.74	**523**	1	0.82	76	62.30
437	1	0.82	8	6.56	**524**	1	0.82	77	63.11
440	1	0.82	9	7.38	**525**	1	0.82	78	63.93
442	1	0.82	10	8.20	**526**	2	1.64	80	65.57
443	1	0.82	11	9.02	**528**	2	1.64	82	67.21
446	1	0.82	12	9.84	**529**	2	1.64	84	68.85
449	1	0.82	13	10.66	**530**	1	0.82	85	69.67
460	1	0.82	14	11.48	**531**	1	0.82	86	70.49
461	2	1.64	16	13.11	**533**	3	2.46	89	72.95
463	1	0.82	17	13.93	**535**	1	0.82	90	73.77
465	1	0.82	18	14.75	**536**	1	0.82	91	74.59
466	1	0.82	19	15.57	**537**	1	0.82	92	75.41
467	1	0.82	20	16.39	**539**	2	1.64	94	77.05
468	1	0.82	21	17.21	**540**	1	0.82	95	77.87
469	1	0.82	22	18.03	**541**	1	0.82	96	78.69
472	1	0.82	23	18.85	**542**	1	0.82	97	79.51
473	1	0.82	24	19.67	**543**	2	1.64	99	81.15
474	1	0.82	25	20.49	**545**	1	0.82	100	81.97
480	1	0.82	26	21.31	**546**	1	0.82	101	82.79
481	1	0.82	27	22.13	**548**	4	3.28	105	86.07
483	3	2.46	30	24.59	**549**	1	0.82	106	86.89
487	1	0.82	31	25.41	**550**	1	0.82	107	87.70
488	2	1.64	33	27.05	**553**	1	0.82	108	88.52
489	1	0.82	34	27.87	**559**	2	1.64	110	90.16
491	2	1.64	36	29.51	**561**	1	0.82	111	90.98
492	1	0.82	37	30.33	**562**	2	1.64	113	92.62
493	2	1.64	39	31.97	**564**	1	0.82	114	93.44
495	1	0.82	40	32.79	**571**	1	0.82	115	94.26
498	2	1.64	42	34.43	**572**	1	0.82	116	95.08
499	1	0.82	43	35.25	**575**	1	0.82	117	95.90
500	1	0.82	44	36.07	**576**	1	0.82	118	96.72
501	2	1.64	46	37.70	**579**	1	0.82	119	97.54
502	3	2.46	49	40.16	**580**	1	0.82	120	98.36
504	3	2.46	52	42.62	**581**	1	0.82	121	99.18
505	3	2.46	55	45.08	**582**	1	0.82	122	100.00
506	1	0.82	56	45.90					
507	4	3.28	60	49.18					
508	1	0.82	61	50.00					
511	1	0.82	62	50.82					
512	3	2.46	65	53.28					
514	1	0.82	66	54.10					

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Table 168. Scale Score Distribution, Mathematics Grade 4

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
180	85	0.14	85	0.14	**233**	5	0.01	225	0.36	**281**	10	0.02	610	0.98
181	1	0.00	86	0.14	**234**	5	0.01	230	0.37	**282**	10	0.02	620	0.99
183	1	0.00	87	0.14	**236**	4	0.01	234	0.37	**283**	16	0.03	636	1.02
184	2	0.00	89	0.14	**237**	6	0.01	240	0.38	**284**	12	0.02	648	1.04
185	4	0.01	93	0.15	**238**	6	0.01	246	0.39	**285**	16	0.03	664	1.06
186	2	0.00	95	0.15	**239**	4	0.01	250	0.40	**286**	15	0.02	679	1.09
187	2	0.00	97	0.16	**240**	4	0.01	254	0.41	**287**	13	0.02	692	1.11
188	1	0.00	98	0.16	**241**	7	0.01	261	0.42	**288**	28	0.04	720	1.15
190	2	0.00	100	0.16	**242**	7	0.01	268	0.43	**289**	26	0.04	746	1.19
191	1	0.00	101	0.16	**243**	8	0.01	276	0.44	**290**	17	0.03	763	1.22
195	2	0.00	103	0.16	**244**	2	0.00	278	0.44	**291**	13	0.02	776	1.24
196	1	0.00	104	0.17	**245**	9	0.01	287	0.46	**292**	12	0.02	788	1.26
197	3	0.00	107	0.17	**246**	6	0.01	293	0.47	**293**	13	0.02	801	1.28
198	6	0.01	113	0.18	**247**	7	0.01	300	0.48	**294**	18	0.03	819	1.31
199	1	0.00	114	0.18	**248**	5	0.01	305	0.49	**295**	22	0.04	841	1.35
200	2	0.00	116	0.19	**249**	6	0.01	311	0.50	**296**	18	0.03	859	1.37
201	3	0.00	119	0.19	**250**	7	0.01	318	0.51	**297**	25	0.04	884	1.41
202	2	0.00	121	0.19	**251**	6	0.01	324	0.52	**298**	23	0.04	907	1.45
203	2	0.00	123	0.20	**252**	5	0.01	329	0.53	**299**	19	0.03	926	1.48
204	4	0.01	127	0.20	**253**	4	0.01	333	0.53	**300**	20	0.03	946	1.51
205	2	0.00	129	0.21	**254**	7	0.01	340	0.54	**301**	15	0.02	961	1.54
206	6	0.01	135	0.22	**255**	6	0.01	346	0.55	**302**	21	0.03	982	1.57
207	4	0.01	139	0.22	**256**	6	0.01	352	0.56	**303**	28	0.04	1010	1.62
208	2	0.00	141	0.23	**257**	6	0.01	358	0.57	**304**	24	0.04	1034	1.65
209	7	0.01	148	0.24	**258**	6	0.01	364	0.58	**305**	19	0.03	1053	1.68
210	4	0.01	152	0.24	**259**	8	0.01	372	0.60	**306**	23	0.04	1076	1.72
212	4	0.01	156	0.25	**260**	10	0.02	382	0.61	**307**	27	0.04	1103	1.76
213	2	0.00	158	0.25	**261**	13	0.02	395	0.63	**308**	31	0.05	1134	1.81
214	2	0.00	160	0.26	**262**	9	0.01	404	0.65	**309**	23	0.04	1157	1.85
215	3	0.00	163	0.26	**263**	7	0.01	411	0.66	**310**	29	0.05	1186	1.90
216	2	0.00	165	0.26	**264**	9	0.01	420	0.67	**311**	20	0.03	1206	1.93
217	5	0.01	170	0.27	**265**	8	0.01	428	0.68	**312**	18	0.03	1224	1.96
218	2	0.00	172	0.28	**266**	11	0.02	439	0.70	**313**	28	0.04	1252	2.00
219	2	0.00	174	0.28	**267**	7	0.01	446	0.71	**314**	22	0.04	1274	2.04
220	2	0.00	176	0.28	**268**	11	0.02	457	0.73	**315**	27	0.04	1301	2.08
221	4	0.01	180	0.29	**269**	12	0.02	469	0.75	**316**	28	0.04	1329	2.13
222	5	0.01	185	0.30	**270**	12	0.02	481	0.77	**317**	26	0.04	1355	2.17
223	6	0.01	191	0.31	**271**	16	0.03	497	0.80	**318**	27	0.04	1382	2.21
224	3	0.00	194	0.31	**272**	13	0.02	510	0.82	**319**	35	0.06	1417	2.27
225	3	0.00	197	0.32	**273**	7	0.01	517	0.83	**320**	33	0.05	1450	2.32
226	4	0.01	201	0.32	**274**	10	0.02	527	0.84	**321**	34	0.05	1484	2.37
227	2	0.00	203	0.32	**275**	15	0.02	542	0.87	**322**	36	0.06	1520	2.43
228	2	0.00	205	0.33	**276**	10	0.02	552	0.88	**323**	23	0.04	1543	2.47
229	2	0.00	207	0.33	**277**	16	0.03	568	0.91	**324**	39	0.06	1582	2.53
230	4	0.01	211	0.34	**278**	9	0.01	577	0.92	**325**	39	0.06	1621	2.59
231	5	0.01	216	0.35	**279**	7	0.01	584	0.93	**326**	30	0.05	1651	2.64
232	4	0.01	220	0.35	**280**	16	0.03	600	0.96	**327**	38	0.06	1689	2.70

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Table 168. Scale Score Distribution, Mathematics Grade 4 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
328	48	0.08	1737	2.78	**375**	89	0.14	4582	7.33	**422**	194	0.31	10766	17.22
329	34	0.05	1771	2.83	**376**	76	0.12	4658	7.45	**423**	201	0.32	10967	17.54
330	32	0.05	1803	2.88	**377**	110	0.18	4768	7.63	**424**	185	0.30	11152	17.84
331	32	0.05	1835	2.94	**378**	101	0.16	4869	7.79	**425**	183	0.29	11335	18.13
332	40	0.06	1875	3.00	**379**	101	0.16	4970	7.95	**426**	223	0.36	11558	18.49
333	37	0.06	1912	3.06	**380**	75	0.12	5045	8.07	**427**	196	0.31	11754	18.80
334	48	0.08	1960	3.14	**381**	87	0.14	5132	8.21	**428**	194	0.31	11948	19.11
335	35	0.06	1995	3.19	**382**	100	0.16	5232	8.37	**429**	199	0.32	12147	19.43
336	45	0.07	2040	3.26	**383**	98	0.16	5330	8.53	**430**	216	0.35	12363	19.78
337	44	0.07	2084	3.33	**384**	108	0.17	5438	8.70	**431**	215	0.34	12578	20.12
338	49	0.08	2133	3.41	**385**	110	0.18	5548	8.88	**432**	230	0.37	12808	20.49
339	46	0.07	2179	3.49	**386**	100	0.16	5648	9.04	**433**	187	0.30	12995	20.79
340	52	0.08	2231	3.57	**387**	114	0.18	5762	9.22	**434**	227	0.36	13222	21.15
341	56	0.09	2287	3.66	**388**	106	0.17	5868	9.39	**435**	206	0.33	13428	21.48
342	50	0.08	2337	3.74	**389**	88	0.14	5956	9.53	**436**	239	0.38	13667	21.86
343	53	0.08	2390	3.82	**390**	113	0.18	6069	9.71	**437**	230	0.37	13897	22.23
344	47	0.08	2437	3.90	**391**	123	0.20	6192	9.91	**438**	218	0.35	14115	22.58
345	52	0.08	2489	3.98	**392**	118	0.19	6310	10.09	**439**	208	0.33	14323	22.91
346	47	0.08	2536	4.06	**393**	109	0.17	6419	10.27	**440**	215	0.34	14538	23.26
347	52	0.08	2588	4.14	**394**	111	0.18	6530	10.45	**441**	249	0.40	14787	23.66
348	56	0.09	2644	4.23	**395**	127	0.20	6657	10.65	**442**	224	0.36	15011	24.01
349	68	0.11	2712	4.34	**396**	127	0.20	6784	10.85	**443**	258	0.41	15269	24.43
350	58	0.09	2770	4.43	**397**	119	0.19	6903	11.04	**444**	238	0.38	15507	24.81
351	64	0.10	2834	4.53	**398**	129	0.21	7032	11.25	**445**	241	0.39	15748	25.19
352	72	0.12	2906	4.65	**399**	116	0.19	7148	11.43	**446**	230	0.37	15978	25.56
353	62	0.10	2968	4.75	**400**	135	0.22	7283	11.65	**447**	232	0.37	16210	25.93
354	51	0.08	3019	4.83	**401**	114	0.18	7397	11.83	**448**	276	0.44	16486	26.37
355	71	0.11	3090	4.94	**402**	121	0.19	7518	12.03	**449**	255	0.41	16741	26.78
356	84	0.13	3174	5.08	**403**	139	0.22	7657	12.25	**450**	245	0.39	16986	27.17
357	62	0.10	3236	5.18	**404**	121	0.19	7778	12.44	**451**	252	0.40	17238	27.58
358	44	0.07	3280	5.25	**405**	131	0.21	7909	12.65	**452**	266	0.43	17504	28.00
359	65	0.10	3345	5.35	**406**	129	0.21	8038	12.86	**453**	247	0.40	17751	28.40
360	64	0.10	3409	5.45	**407**	152	0.24	8190	13.10	**454**	264	0.42	18015	28.82
361	68	0.11	3477	5.56	**408**	157	0.25	8347	13.35	**455**	267	0.43	18282	29.25
362	67	0.11	3544	5.67	**409**	142	0.23	8489	13.58	**456**	311	0.50	18593	29.74
363	62	0.10	3606	5.77	**410**	161	0.26	8650	13.84	**457**	279	0.45	18872	30.19
364	77	0.12	3683	5.89	**411**	162	0.26	8812	14.10	**458**	274	0.44	19146	30.63
365	86	0.14	3769	6.03	**412**	175	0.28	8987	14.38	**459**	295	0.47	19441	31.10
366	81	0.13	3850	6.16	**413**	177	0.28	9164	14.66	**460**	286	0.46	19727	31.56
367	81	0.13	3931	6.29	**414**	191	0.31	9355	14.97	**461**	286	0.46	20013	32.02
368	93	0.15	4024	6.44	**415**	157	0.25	9512	15.22	**462**	301	0.48	20314	32.50
369	84	0.13	4108	6.57	**416**	179	0.29	9691	15.50	**463**	273	0.44	20587	32.93
370	77	0.12	4185	6.69	**417**	174	0.28	9865	15.78	**464**	301	0.48	20888	33.41
371	71	0.11	4256	6.81	**418**	174	0.28	10039	16.06	**465**	286	0.46	21174	33.87
372	64	0.10	4320	6.91	**419**	171	0.27	10210	16.33	**466**	299	0.48	21473	34.35
373	95	0.15	4415	7.06	**420**	168	0.27	10378	16.60	**467**	310	0.50	21783	34.85
374	78	0.12	4493	7.19	**421**	194	0.31	10572	16.91	**468**	280	0.45	22063	35.29

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Table 168. Scale Score Distribution, Mathematics Grade 4 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
469	316	0.51	22379	35.80	**516**	322	0.52	38155	61.04	**563**	264	0.42	52105	83.35
470	320	0.51	22699	36.31	**517**	374	0.60	38529	61.64	**564**	225	0.36	52330	83.71
471	346	0.55	23045	36.87	**518**	316	0.51	38845	62.14	**565**	202	0.32	52532	84.04
472	285	0.46	23330	37.32	**519**	353	0.56	39198	62.71	**566**	235	0.38	52767	84.41
473	298	0.48	23628	37.80	**520**	345	0.55	39543	63.26	**567**	258	0.41	53025	84.83
474	309	0.49	23937	38.29	**521**	329	0.53	39872	63.78	**568**	191	0.31	53216	85.13
475	322	0.52	24259	38.81	**522**	392	0.63	40264	64.41	**569**	232	0.37	53448	85.50
476	325	0.52	24584	39.33	**523**	366	0.59	40630	65.00	**570**	215	0.34	53663	85.85
477	310	0.50	24894	39.82	**524**	331	0.53	40961	65.53	**571**	196	0.31	53859	86.16
478	323	0.52	25217	40.34	**525**	314	0.50	41275	66.03	**572**	176	0.28	54035	86.44
479	312	0.50	25529	40.84	**526**	340	0.54	41615	66.57	**573**	208	0.33	54243	86.77
480	308	0.49	25837	41.33	**527**	333	0.53	41948	67.10	**574**	194	0.31	54437	87.08
481	357	0.57	26194	41.90	**528**	346	0.55	42294	67.66	**575**	189	0.30	54626	87.39
482	302	0.48	26496	42.39	**529**	307	0.49	42601	68.15	**576**	181	0.29	54807	87.68
483	336	0.54	26832	42.92	**530**	298	0.48	42899	68.63	**577**	172	0.28	54979	87.95
484	362	0.58	27194	43.50	**531**	307	0.49	43206	69.12	**578**	158	0.25	55137	88.20
485	349	0.56	27543	44.06	**532**	314	0.50	43520	69.62	**579**	162	0.26	55299	88.46
486	330	0.53	27873	44.59	**533**	305	0.49	43825	70.11	**580**	154	0.25	55453	88.71
487	363	0.58	28236	45.17	**534**	304	0.49	44129	70.59	**581**	168	0.27	55621	88.98
488	359	0.57	28595	45.74	**535**	309	0.49	44438	71.09	**582**	165	0.26	55786	89.24
489	358	0.57	28953	46.32	**536**	303	0.48	44741	71.57	**583**	153	0.24	55939	89.49
490	321	0.51	29274	46.83	**537**	323	0.52	45064	72.09	**584**	163	0.26	56102	89.75
491	321	0.51	29595	47.34	**538**	276	0.44	45340	72.53	**585**	157	0.25	56259	90.00
492	325	0.52	29920	47.86	**539**	308	0.49	45648	73.02	**586**	163	0.26	56422	90.26
493	342	0.55	30262	48.41	**540**	271	0.43	45919	73.46	**587**	141	0.23	56563	90.48
494	343	0.55	30605	48.96	**541**	315	0.50	46234	73.96	**588**	147	0.24	56710	90.72
495	339	0.54	30944	49.50	**542**	295	0.47	46529	74.43	**589**	128	0.20	56838	90.92
496	325	0.52	31269	50.02	**543**	284	0.45	46813	74.89	**590**	143	0.23	56981	91.15
497	370	0.59	31639	50.61	**544**	314	0.50	47127	75.39	**591**	136	0.22	57117	91.37
498	331	0.53	31970	51.14	**545**	263	0.42	47390	75.81	**592**	124	0.20	57241	91.57
499	368	0.59	32338	51.73	**546**	294	0.47	47684	76.28	**593**	151	0.24	57392	91.81
500	328	0.52	32666	52.26	**547**	273	0.44	47957	76.72	**594**	143	0.23	57535	92.04
501	337	0.54	33003	52.80	**548**	283	0.45	48240	77.17	**595**	118	0.19	57653	92.23
502	342	0.55	33345	53.34	**549**	289	0.46	48529	77.63	**596**	134	0.21	57787	92.44
503	329	0.53	33674	53.87	**550**	274	0.44	48803	78.07	**597**	127	0.20	57914	92.65
504	362	0.58	34036	54.45	**551**	246	0.39	49049	78.46	**598**	117	0.19	58031	92.83
505	320	0.51	34356	54.96	**552**	286	0.46	49335	78.92	**599**	97	0.16	58128	92.99
506	338	0.54	34694	55.50	**553**	275	0.44	49610	79.36	**600**	116	0.19	58244	93.17
507	345	0.55	35039	56.05	**554**	280	0.45	49890	79.81	**601**	92	0.15	58336	93.32
508	357	0.57	35396	56.62	**555**	266	0.43	50156	80.24	**602**	108	0.17	58444	93.49
509	373	0.60	35769	57.22	**556**	249	0.40	50405	80.63	**603**	123	0.20	58567	93.69
510	346	0.55	36115	57.77	**557**	255	0.41	50660	81.04	**604**	109	0.17	58676	93.87
511	314	0.50	36429	58.28	**558**	220	0.35	50880	81.39	**605**	103	0.16	58779	94.03
512	348	0.56	36777	58.83	**559**	204	0.33	51084	81.72	**606**	98	0.16	58877	94.19
513	342	0.55	37119	59.38	**560**	254	0.41	51338	82.13	**607**	93	0.15	58970	94.34
514	356	0.57	37475	59.95	**561**	251	0.40	51589	82.53	**608**	88	0.14	59058	94.48
515	358	0.57	37833	60.52	**562**	252	0.40	51841	82.93	**609**	88	0.14	59146	94.62

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Table 168. Scale Score Distribution, Mathematics Grade 4 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
610	86	0.14	59232	94.75	**657**	20	0.03	61595	98.53	**706**	11	0.02	62205	99.51
611	90	0.14	59322	94.90	**658**	23	0.04	61618	98.57	**707**	1	0.00	62206	99.51
612	81	0.13	59403	95.03	**659**	17	0.03	61635	98.60	**709**	13	0.02	62219	99.53
613	79	0.13	59482	95.15	**660**	45	0.07	61680	98.67	**710**	15	0.02	62234	99.56
614	98	0.16	59580	95.31	**661**	11	0.02	61691	98.69	**711**	29	0.05	62263	99.60
615	83	0.13	59663	95.44	**662**	12	0.02	61703	98.71	**712**	3	0.00	62266	99.61
616	80	0.13	59743	95.57	**663**	45	0.07	61748	98.78	**713**	1	0.00	62267	99.61
617	80	0.13	59823	95.70	**664**	12	0.02	61760	98.80	**715**	1	0.00	62268	99.61
618	67	0.11	59890	95.81	**665**	13	0.02	61773	98.82	**716**	9	0.01	62277	99.63
619	96	0.15	59986	95.96	**666**	20	0.03	61793	98.85	**717**	12	0.02	62289	99.64
620	75	0.12	60061	96.08	**667**	8	0.01	61801	98.86	**718**	2	0.00	62291	99.65
621	75	0.12	60136	96.20	**668**	21	0.03	61822	98.90	**720**	8	0.01	62299	99.66
622	72	0.12	60208	96.32	**669**	21	0.03	61843	98.93	**721**	1	0.00	62300	99.66
623	65	0.10	60273	96.42	**670**	7	0.01	61850	98.94	**722**	1	0.00	62301	99.66
624	68	0.11	60341	96.53	**671**	20	0.03	61870	98.97	**724**	2	0.00	62303	99.67
625	51	0.08	60392	96.61	**672**	24	0.04	61894	99.01	**727**	2	0.00	62305	99.67
626	63	0.10	60455	96.71	**673**	12	0.02	61906	99.03	**729**	2	0.00	62307	99.67
627	52	0.08	60507	96.79	**674**	6	0.01	61912	99.04	**730**	23	0.04	62330	99.71
628	56	0.09	60563	96.88	**675**	9	0.01	61921	99.06	**731**	7	0.01	62337	99.72
629	45	0.07	60608	96.96	**676**	14	0.02	61935	99.08	**736**	2	0.00	62339	99.72
630	57	0.09	60665	97.05	**677**	8	0.01	61943	99.09	**737**	8	0.01	62347	99.74
631	56	0.09	60721	97.14	**678**	8	0.01	61951	99.10	**738**	2	0.00	62349	99.74
632	45	0.07	60766	97.21	**679**	11	0.02	61962	99.12	**739**	23	0.04	62372	99.78
633	45	0.07	60811	97.28	**680**	7	0.01	61969	99.13	**743**	1	0.00	62373	99.78
634	43	0.07	60854	97.35	**681**	7	0.01	61976	99.14	**750**	2	0.00	62375	99.78
635	38	0.06	60892	97.41	**682**	13	0.02	61989	99.16	**755**	4	0.01	62379	99.79
636	44	0.07	60936	97.48	**683**	16	0.03	62005	99.19	**756**	5	0.01	62384	99.80
637	48	0.08	60984	97.56	**684**	4	0.01	62009	99.20	**759**	21	0.03	62405	99.83
638	28	0.04	61012	97.60	**685**	5	0.01	62014	99.20	**769**	41	0.07	62446	99.90
639	49	0.08	61061	97.68	**686**	7	0.01	62021	99.22	**771**	12	0.02	62458	99.92
640	41	0.07	61102	97.75	**687**	12	0.02	62033	99.24	**778**	2	0.00	62460	99.92
641	37	0.06	61139	97.81	**688**	3	0.00	62036	99.24	**780**	51	0.08	62511	100.00
642	34	0.05	61173	97.86	**689**	8	0.01	62044	99.25					
643	40	0.06	61213	97.92	**690**	16	0.03	62060	99.28					
644	28	0.04	61241	97.97	**691**	21	0.03	62081	99.31					
645	37	0.06	61278	98.03	**692**	6	0.01	62087	99.32					
646	32	0.05	61310	98.08	**693**	3	0.00	62090	99.33					
647	22	0.04	61332	98.11	**694**	13	0.02	62103	99.35					
648	39	0.06	61371	98.18	**695**	33	0.05	62136	99.40					
649	41	0.07	61412	98.24	**696**	14	0.02	62150	99.42					
650	34	0.05	61446	98.30	**699**	3	0.00	62153	99.43					
651	21	0.03	61467	98.33	**700**	23	0.04	62176	99.46					
652	21	0.03	61488	98.36	**701**	2	0.00	62178	99.47					
653	29	0.05	61517	98.41	**702**	2	0.00	62180	99.47					
654	16	0.03	61533	98.44	**703**	2	0.00	62182	99.47					
655	24	0.04	61557	98.47	**704**	5	0.01	62187	99.48					
656	18	0.03	61575	98.50	**705**	7	0.01	62194	99.49					

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Table 169. Scale Score Distribution, Reading Grade 5

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
220	291	0.47	291	0.47	**362**	2	0.00	381	0.62	**409**	10	0.02	635	1.03
224	1	0.00	292	0.47	**363**	7	0.01	388	0.63	**410**	8	0.01	643	1.04
243	1	0.00	293	0.47	**364**	5	0.01	393	0.64	**411**	16	0.03	659	1.07
274	1	0.00	294	0.48	**365**	4	0.01	397	0.64	**412**	8	0.01	667	1.08
286	1	0.00	295	0.48	**366**	3	0.00	400	0.65	**413**	8	0.01	675	1.09
288	1	0.00	296	0.48	**367**	2	0.00	402	0.65	**414**	14	0.02	689	1.12
292	1	0.00	297	0.48	**368**	4	0.01	406	0.66	**415**	10	0.02	699	1.13
293	2	0.00	299	0.48	**369**	5	0.01	411	0.67	**416**	8	0.01	707	1.15
295	1	0.00	300	0.49	**370**	3	0.00	414	0.67	**417**	5	0.01	712	1.15
300	1	0.00	301	0.49	**371**	1	0.00	415	0.67	**418**	7	0.01	719	1.16
303	1	0.00	302	0.49	**372**	5	0.01	420	0.68	**419**	11	0.02	730	1.18
305	1	0.00	303	0.49	**373**	1	0.00	421	0.68	**420**	9	0.01	739	1.20
306	1	0.00	304	0.49	**374**	4	0.01	425	0.69	**421**	9	0.01	748	1.21
308	2	0.00	306	0.50	**375**	1	0.00	426	0.69	**422**	8	0.01	756	1.22
309	1	0.00	307	0.50	**376**	5	0.01	431	0.70	**423**	14	0.02	770	1.25
310	1	0.00	308	0.50	**377**	2	0.00	433	0.70	**424**	12	0.02	782	1.27
313	3	0.00	311	0.50	**378**	1	0.00	434	0.70	**425**	12	0.02	794	1.29
315	1	0.00	312	0.51	**379**	4	0.01	438	0.71	**426**	19	0.03	813	1.32
323	1	0.00	313	0.51	**380**	5	0.01	443	0.72	**427**	12	0.02	825	1.34
328	3	0.00	316	0.51	**381**	11	0.02	454	0.74	**428**	13	0.02	838	1.36
329	3	0.00	319	0.52	**382**	6	0.01	460	0.75	**429**	13	0.02	851	1.38
331	3	0.00	322	0.52	**383**	5	0.01	465	0.75	**430**	20	0.03	871	1.41
332	4	0.01	326	0.53	**384**	7	0.01	472	0.76	**431**	12	0.02	883	1.43
333	2	0.00	328	0.53	**385**	3	0.00	475	0.77	**432**	13	0.02	896	1.45
334	3	0.00	331	0.54	**386**	8	0.01	483	0.78	**433**	13	0.02	909	1.47
336	2	0.00	333	0.54	**387**	4	0.01	487	0.79	**434**	14	0.02	923	1.50
337	1	0.00	334	0.54	**388**	8	0.01	495	0.80	**435**	16	0.03	939	1.52
341	3	0.00	337	0.55	**389**	2	0.00	497	0.81	**436**	20	0.03	959	1.55
342	2	0.00	339	0.55	**390**	2	0.00	499	0.81	**437**	13	0.02	972	1.57
343	2	0.00	341	0.55	**391**	9	0.01	508	0.82	**438**	26	0.04	998	1.62
344	6	0.01	347	0.56	**392**	4	0.01	512	0.83	**439**	19	0.03	1017	1.65
345	2	0.00	349	0.57	**393**	5	0.01	517	0.84	**440**	15	0.02	1032	1.67
346	2	0.00	351	0.57	**394**	3	0.00	520	0.84	**441**	17	0.03	1049	1.70
347	1	0.00	352	0.57	**395**	8	0.01	528	0.86	**442**	9	0.01	1058	1.71
348	1	0.00	353	0.57	**396**	5	0.01	533	0.86	**443**	18	0.03	1076	1.74
349	2	0.00	355	0.58	**397**	7	0.01	540	0.87	**444**	15	0.02	1091	1.77
350	2	0.00	357	0.58	**398**	10	0.02	550	0.89	**445**	22	0.04	1113	1.80
352	1	0.00	358	0.58	**399**	3	0.00	553	0.90	**446**	19	0.03	1132	1.83
353	2	0.00	360	0.58	**400**	7	0.01	560	0.91	**447**	16	0.03	1148	1.86
354	3	0.00	363	0.59	**401**	7	0.01	567	0.92	**448**	23	0.04	1171	1.90
355	3	0.00	366	0.59	**402**	10	0.02	577	0.93	**449**	23	0.04	1194	1.93
356	1	0.00	367	0.59	**403**	5	0.01	582	0.94	**450**	27	0.04	1221	1.98
357	1	0.00	368	0.60	**404**	9	0.01	591	0.96	**451**	23	0.04	1244	2.02
358	2	0.00	370	0.60	**405**	10	0.02	601	0.97	**452**	26	0.04	1270	2.06
359	2	0.00	372	0.60	**406**	11	0.02	612	0.99	**453**	20	0.03	1290	2.09
360	6	0.01	378	0.61	**407**	5	0.01	617	1.00	**454**	30	0.05	1320	2.14
361	1	0.00	379	0.61	**408**	8	0.01	625	1.01	**455**	34	0.06	1354	2.19

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Table 169. Scale Score Distribution, Reading Grade 5 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
456	32	0.05	1386	2.25	**503**	67	0.11	3722	6.03	**550**	183	0.30	9553	15.48
457	33	0.05	1419	2.30	**504**	67	0.11	3789	6.14	**551**	176	0.29	9729	15.76
458	23	0.04	1442	2.34	**505**	90	0.15	3879	6.28	**552**	178	0.29	9907	16.05
459	22	0.04	1464	2.37	**506**	73	0.12	3952	6.40	**553**	190	0.31	10097	16.36
460	33	0.05	1497	2.43	**507**	82	0.13	4034	6.54	**554**	190	0.31	10287	16.67
461	31	0.05	1528	2.48	**508**	74	0.12	4108	6.66	**555**	194	0.31	10481	16.98
462	31	0.05	1559	2.53	**509**	90	0.15	4198	6.80	**556**	216	0.35	10697	17.33
463	21	0.03	1580	2.56	**510**	85	0.14	4283	6.94	**557**	199	0.32	10896	17.65
464	35	0.06	1615	2.62	**511**	97	0.16	4380	7.10	**558**	204	0.33	11100	17.98
465	31	0.05	1646	2.67	**512**	60	0.10	4440	7.19	**559**	200	0.32	11300	18.31
466	37	0.06	1683	2.73	**513**	72	0.12	4512	7.31	**560**	218	0.35	11518	18.66
467	44	0.07	1727	2.80	**514**	91	0.15	4603	7.46	**561**	227	0.37	11745	19.03
468	26	0.04	1753	2.84	**515**	100	0.16	4703	7.62	**562**	224	0.36	11969	19.39
469	36	0.06	1789	2.90	**516**	97	0.16	4800	7.78	**563**	246	0.40	12215	19.79
470	44	0.07	1833	2.97	**517**	108	0.17	4908	7.95	**564**	231	0.37	12446	20.16
471	26	0.04	1859	3.01	**518**	100	0.16	5008	8.11	**565**	244	0.40	12690	20.56
472	47	0.08	1906	3.09	**519**	102	0.17	5110	8.28	**566**	263	0.43	12953	20.99
473	45	0.07	1951	3.16	**520**	100	0.16	5210	8.44	**567**	261	0.42	13214	21.41
474	43	0.07	1994	3.23	**521**	106	0.17	5316	8.61	**568**	243	0.39	13457	21.80
475	47	0.08	2041	3.31	**522**	117	0.19	5433	8.80	**569**	251	0.41	13708	22.21
476	45	0.07	2086	3.38	**523**	111	0.18	5544	8.98	**570**	250	0.41	13958	22.61
477	59	0.10	2145	3.48	**524**	112	0.18	5656	9.16	**571**	259	0.42	14217	23.03
478	41	0.07	2186	3.54	**525**	112	0.18	5768	9.34	**572**	233	0.38	14450	23.41
479	70	0.11	2256	3.65	**526**	136	0.22	5904	9.57	**573**	268	0.43	14718	23.84
480	44	0.07	2300	3.73	**527**	102	0.17	6006	9.73	**574**	253	0.41	14971	24.25
481	52	0.08	2352	3.81	**528**	122	0.20	6128	9.93	**575**	291	0.47	15262	24.73
482	57	0.09	2409	3.90	**529**	138	0.22	6266	10.15	**576**	286	0.46	15548	25.19
483	66	0.11	2475	4.01	**530**	125	0.20	6391	10.35	**577**	308	0.50	15856	25.69
484	74	0.12	2549	4.13	**531**	118	0.19	6509	10.55	**578**	295	0.48	16151	26.17
485	50	0.08	2599	4.21	**532**	127	0.21	6636	10.75	**579**	292	0.47	16443	26.64
486	38	0.06	2637	4.27	**533**	126	0.20	6762	10.96	**580**	316	0.51	16759	27.15
487	53	0.09	2690	4.36	**534**	132	0.21	6894	11.17	**581**	291	0.47	17050	27.62
488	44	0.07	2734	4.43	**535**	142	0.23	7036	11.40	**582**	322	0.52	17372	28.14
489	68	0.11	2802	4.54	**536**	156	0.25	7192	11.65	**583**	285	0.46	17657	28.61
490	65	0.11	2867	4.64	**537**	143	0.23	7335	11.88	**584**	297	0.48	17954	29.09
491	53	0.09	2920	4.73	**538**	134	0.22	7469	12.10	**585**	278	0.45	18232	29.54
492	59	0.10	2979	4.83	**539**	140	0.23	7609	12.33	**586**	343	0.56	18575	30.09
493	64	0.10	3043	4.93	**540**	160	0.26	7769	12.59	**587**	342	0.55	18917	30.65
494	51	0.08	3094	5.01	**541**	158	0.26	7927	12.84	**588**	349	0.57	19266	31.21
495	73	0.12	3167	5.13	**542**	154	0.25	8081	13.09	**589**	335	0.54	19601	31.76
496	81	0.13	3248	5.26	**543**	184	0.30	8265	13.39	**590**	322	0.52	19923	32.28
497	65	0.11	3313	5.37	**544**	171	0.28	8436	13.67	**591**	351	0.57	20274	32.85
498	64	0.10	3377	5.47	**545**	174	0.28	8610	13.95	**592**	387	0.63	20661	33.47
499	58	0.09	3435	5.57	**546**	191	0.31	8801	14.26	**593**	373	0.60	21034	34.08
500	77	0.12	3512	5.69	**547**	187	0.30	8988	14.56	**594**	338	0.55	21372	34.63
501	55	0.09	3567	5.78	**548**	171	0.28	9159	14.84	**595**	357	0.58	21729	35.20
502	88	0.14	3655	5.92	**549**	211	0.34	9370	15.18	**596**	393	0.64	22122	35.84

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Table 169. Scale Score Distribution, Reading Grade 5 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
597	373	0.60	22495	36.44	**644**	467	0.76	42407	68.70	**691**	190	0.31	57061	92.45
598	368	0.60	22863	37.04	**645**	435	0.70	42842	69.41	**692**	184	0.30	57245	92.74
599	389	0.63	23252	37.67	**646**	429	0.70	43271	70.10	**693**	180	0.29	57425	93.04
600	366	0.59	23618	38.26	**647**	386	0.63	43657	70.73	**694**	191	0.31	57616	93.34
601	396	0.64	24014	38.91	**648**	475	0.77	44132	71.50	**695**	150	0.24	57766	93.59
602	363	0.59	24377	39.49	**649**	443	0.72	44575	72.22	**696**	154	0.25	57920	93.84
603	382	0.62	24759	40.11	**650**	358	0.58	44933	72.80	**697**	186	0.30	58106	94.14
604	389	0.63	25148	40.74	**651**	368	0.60	45301	73.39	**698**	130	0.21	58236	94.35
605	398	0.64	25546	41.39	**652**	382	0.62	45683	74.01	**699**	132	0.21	58368	94.56
606	388	0.63	25934	42.02	**653**	420	0.68	46103	74.69	**700**	119	0.19	58487	94.76
607	414	0.67	26348	42.69	**654**	406	0.66	46509	75.35	**701**	137	0.22	58624	94.98
608	384	0.62	26732	43.31	**655**	366	0.59	46875	75.94	**702**	141	0.23	58765	95.21
609	409	0.66	27141	43.97	**656**	381	0.62	47256	76.56	**703**	131	0.21	58896	95.42
610	426	0.69	27567	44.66	**657**	329	0.53	47585	77.09	**704**	108	0.17	59004	95.59
611	439	0.71	28006	45.37	**658**	381	0.62	47966	77.71	**705**	121	0.20	59125	95.79
612	405	0.66	28411	46.03	**659**	354	0.57	48320	78.28	**706**	115	0.19	59240	95.98
613	407	0.66	28818	46.69	**660**	351	0.57	48671	78.85	**707**	104	0.17	59344	96.14
614	415	0.67	29233	47.36	**661**	352	0.57	49023	79.42	**708**	115	0.19	59459	96.33
615	404	0.65	29637	48.02	**662**	372	0.60	49395	80.03	**709**	100	0.16	59559	96.49
616	440	0.71	30077	48.73	**663**	359	0.58	49754	80.61	**710**	103	0.17	59662	96.66
617	469	0.76	30546	49.49	**664**	363	0.59	50117	81.20	**711**	85	0.14	59747	96.80
618	437	0.71	30983	50.20	**665**	325	0.53	50442	81.72	**712**	77	0.12	59824	96.92
619	437	0.71	31420	50.90	**666**	316	0.51	50758	82.23	**713**	77	0.12	59901	97.05
620	439	0.71	31859	51.62	**667**	293	0.47	51051	82.71	**714**	95	0.15	59996	97.20
621	453	0.73	32312	52.35	**668**	277	0.45	51328	83.16	**715**	71	0.12	60067	97.32
622	441	0.71	32753	53.06	**669**	270	0.44	51598	83.59	**716**	76	0.12	60143	97.44
623	398	0.64	33151	53.71	**670**	321	0.52	51919	84.11	**717**	69	0.11	60212	97.55
624	417	0.68	33568	54.38	**671**	302	0.49	52221	84.60	**718**	61	0.10	60273	97.65
625	456	0.74	34024	55.12	**672**	314	0.51	52535	85.11	**719**	62	0.10	60335	97.75
626	441	0.71	34465	55.84	**673**	303	0.49	52838	85.60	**720**	55	0.09	60390	97.84
627	434	0.70	34899	56.54	**674**	273	0.44	53111	86.05	**721**	59	0.10	60449	97.93
628	407	0.66	35306	57.20	**675**	315	0.51	53426	86.56	**722**	65	0.11	60514	98.04
629	458	0.74	35764	57.94	**676**	292	0.47	53718	87.03	**723**	66	0.11	60580	98.15
630	444	0.72	36208	58.66	**677**	262	0.42	53980	87.45	**724**	49	0.08	60629	98.23
631	457	0.74	36665	59.40	**678**	291	0.47	54271	87.93	**725**	59	0.10	60688	98.32
632	437	0.71	37102	60.11	**679**	251	0.41	54522	88.33	**726**	48	0.08	60736	98.40
633	424	0.69	37526	60.80	**680**	208	0.34	54730	88.67	**727**	44	0.07	60780	98.47
634	449	0.73	37975	61.52	**681**	219	0.35	54949	89.02	**728**	38	0.06	60818	98.53
635	411	0.67	38386	62.19	**682**	229	0.37	55178	89.39	**729**	39	0.06	60857	98.60
636	425	0.69	38811	62.88	**683**	236	0.38	55414	89.78	**730**	39	0.06	60896	98.66
637	459	0.74	39270	63.62	**684**	244	0.40	55658	90.17	**731**	49	0.08	60945	98.74
638	448	0.73	39718	64.35	**685**	211	0.34	55869	90.51	**732**	32	0.05	60977	98.79
639	422	0.68	40140	65.03	**686**	217	0.35	56086	90.87	**733**	28	0.05	61005	98.84
640	447	0.72	40587	65.76	**687**	207	0.34	56293	91.20	**734**	36	0.06	61041	98.89
641	453	0.73	41040	66.49	**688**	204	0.33	56497	91.53	**735**	36	0.06	61077	98.95
642	461	0.75	41501	67.24	**689**	183	0.30	56680	91.83	**736**	31	0.05	61108	99.00
643	439	0.71	41940	67.95	**690**	191	0.31	56871	92.14	**737**	22	0.04	61130	99.04

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Table 169. Scale Score Distribution, Reading Grade 5 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
738	33	0.05	61163	99.09	**786**	3	0.00	61689	99.94
739	24	0.04	61187	99.13	**787**	2	0.00	61691	99.95
740	27	0.04	61214	99.17	**788**	3	0.00	61694	99.95
741	27	0.04	61241	99.22	**789**	2	0.00	61696	99.95
742	31	0.05	61272	99.27	**790**	1	0.00	61697	99.96
743	20	0.03	61292	99.30	**791**	3	0.00	61700	99.96
744	24	0.04	61316	99.34	**792**	3	0.00	61703	99.97
745	17	0.03	61333	99.37	**793**	2	0.00	61705	99.97
746	21	0.03	61354	99.40	**795**	1	0.00	61706	99.97
747	15	0.02	61369	99.42	**799**	2	0.00	61708	99.97
748	18	0.03	61387	99.45	**800**	1	0.00	61709	99.98
749	19	0.03	61406	99.48	**801**	1	0.00	61710	99.98
750	15	0.02	61421	99.51	**803**	1	0.00	61711	99.98
751	7	0.01	61428	99.52	**805**	1	0.00	61712	99.98
752	19	0.03	61447	99.55	**806**	1	0.00	61713	99.98
753	12	0.02	61459	99.57	**811**	1	0.00	61714	99.98
754	16	0.03	61475	99.60	**812**	1	0.00	61715	99.99
755	15	0.02	61490	99.62	**813**	1	0.00	61716	99.99
756	15	0.02	61505	99.65	**817**	2	0.00	61718	99.99
757	18	0.03	61523	99.67	**819**	2	0.00	61720	99.99
758	10	0.02	61533	99.69	**823**	1	0.00	61721	100.00
759	7	0.01	61540	99.70	**828**	1	0.00	61722	100.00
760	7	0.01	61547	99.71	**834**	1	0.00	61723	100.00
761	6	0.01	61553	99.72	**836**	1	0.00	61724	100.00
762	8	0.01	61561	99.74					
763	12	0.02	61573	99.76					
764	13	0.02	61586	99.78					
765	6	0.01	61592	99.79					
766	10	0.02	61602	99.80					
767	10	0.02	61612	99.82					
768	7	0.01	61619	99.83					
769	8	0.01	61627	99.84					
770	2	0.00	61629	99.85					
771	6	0.01	61635	99.86					
772	1	0.00	61636	99.86					
773	6	0.01	61642	99.87					
774	3	0.00	61645	99.87					
775	8	0.01	61653	99.88					
776	3	0.00	61656	99.89					
777	5	0.01	61661	99.90					
778	6	0.01	61667	99.91					
779	5	0.01	61672	99.92					
780	2	0.00	61674	99.92					
781	3	0.00	61677	99.92					
782	2	0.00	61679	99.93					
783	4	0.01	61683	99.93					
784	3	0.00	61686	99.94					

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Table 170. Scale Score Distribution, Writing Grade 5

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
220	17	0.03	17	0.03	**318**	3	0.00	92	0.15	**367**	17	0.03	400	0.65
229	1	0.00	18	0.03	**319**	2	0.00	94	0.15	**368**	10	0.02	410	0.66
231	1	0.00	19	0.03	**320**	4	0.01	98	0.16	**369**	15	0.02	425	0.69
232	1	0.00	20	0.03	**322**	2	0.00	100	0.16	**370**	11	0.02	436	0.71
238	2	0.00	22	0.04	**323**	6	0.01	106	0.17	**371**	14	0.02	450	0.73
239	1	0.00	23	0.04	**324**	2	0.00	108	0.18	**372**	19	0.03	469	0.76
240	1	0.00	24	0.04	**325**	3	0.00	111	0.18	**373**	16	0.03	485	0.79
242	1	0.00	25	0.04	**326**	2	0.00	113	0.18	**374**	21	0.03	506	0.82
249	1	0.00	26	0.04	**327**	1	0.00	114	0.18	**375**	19	0.03	525	0.85
256	1	0.00	27	0.04	**328**	3	0.00	117	0.19	**376**	13	0.02	538	0.87
260	2	0.00	29	0.05	**329**	4	0.01	121	0.20	**377**	25	0.04	563	0.91
261	1	0.00	30	0.05	**330**	3	0.00	124	0.20	**378**	21	0.03	584	0.95
263	1	0.00	31	0.05	**331**	5	0.01	129	0.21	**379**	27	0.04	611	0.99
267	1	0.00	32	0.05	**332**	3	0.00	132	0.21	**380**	14	0.02	625	1.01
270	1	0.00	33	0.05	**333**	6	0.01	138	0.22	**381**	34	0.06	659	1.07
274	2	0.00	35	0.06	**334**	7	0.01	145	0.23	**382**	23	0.04	682	1.11
275	1	0.00	36	0.06	**335**	5	0.01	150	0.24	**383**	26	0.04	708	1.15
276	1	0.00	37	0.06	**336**	2	0.00	152	0.25	**384**	27	0.04	735	1.19
280	1	0.00	38	0.06	**337**	5	0.01	157	0.25	**385**	20	0.03	755	1.22
281	1	0.00	39	0.06	**338**	3	0.00	160	0.26	**386**	20	0.03	775	1.26
282	1	0.00	40	0.06	**339**	11	0.02	171	0.28	**387**	29	0.05	804	1.30
283	1	0.00	41	0.07	**340**	8	0.01	179	0.29	**388**	28	0.05	832	1.35
288	1	0.00	42	0.07	**341**	4	0.01	183	0.30	**389**	37	0.06	869	1.41
289	3	0.00	45	0.07	**342**	2	0.00	185	0.30	**390**	40	0.06	909	1.47
294	2	0.00	47	0.08	**343**	5	0.01	190	0.31	**391**	46	0.07	955	1.55
295	3	0.00	50	0.08	**344**	9	0.01	199	0.32	**392**	41	0.07	996	1.61
296	2	0.00	52	0.08	**345**	7	0.01	206	0.33	**393**	46	0.07	1042	1.69
297	3	0.00	55	0.09	**347**	4	0.01	210	0.34	**394**	48	0.08	1090	1.77
299	2	0.00	57	0.09	**348**	11	0.02	221	0.36	**395**	44	0.07	1134	1.84
300	2	0.00	59	0.10	**349**	4	0.01	225	0.36	**396**	35	0.06	1169	1.89
301	1	0.00	60	0.10	**350**	5	0.01	230	0.37	**397**	44	0.07	1213	1.97
302	1	0.00	61	0.10	**351**	8	0.01	238	0.39	**398**	43	0.07	1256	2.04
303	2	0.00	63	0.10	**352**	6	0.01	244	0.40	**399**	54	0.09	1310	2.12
304	1	0.00	64	0.10	**353**	11	0.02	255	0.41	**400**	50	0.08	1360	2.20
305	2	0.00	66	0.11	**354**	9	0.01	264	0.43	**401**	68	0.11	1428	2.31
306	1	0.00	67	0.11	**355**	12	0.02	276	0.45	**402**	56	0.09	1484	2.40
307	2	0.00	69	0.11	**356**	9	0.01	285	0.46	**403**	57	0.09	1541	2.50
308	3	0.00	72	0.12	**357**	11	0.02	296	0.48	**404**	67	0.11	1608	2.61
309	2	0.00	74	0.12	**358**	5	0.01	301	0.49	**405**	67	0.11	1675	2.71
310	1	0.00	75	0.12	**359**	5	0.01	306	0.50	**406**	66	0.11	1741	2.82
311	1	0.00	76	0.12	**360**	10	0.02	316	0.51	**407**	63	0.10	1804	2.92
312	3	0.00	79	0.13	**361**	11	0.02	327	0.53	**408**	73	0.12	1877	3.04
313	1	0.00	80	0.13	**362**	11	0.02	338	0.55	**409**	57	0.09	1934	3.13
314	2	0.00	82	0.13	**363**	8	0.01	346	0.56	**410**	75	0.12	2009	3.26
315	3	0.00	85	0.14	**364**	12	0.02	358	0.58	**411**	80	0.13	2089	3.39
316	1	0.00	86	0.14	**365**	13	0.02	371	0.60	**412**	82	0.13	2171	3.52
317	3	0.00	89	0.14	**366**	12	0.02	383	0.62	**413**	83	0.13	2254	3.65

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Table 170. Scale Score Distribution, Writing Grade 5 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
414	97	0.16	2351	3.81	**461**	279	0.45	10692	17.33	**508**	464	0.75	29451	47.73
415	67	0.11	2418	3.92	**462**	298	0.48	10990	17.81	**509**	521	0.84	29972	48.57
416	72	0.12	2490	4.04	**463**	282	0.46	11272	18.27	**510**	482	0.78	30454	49.35
417	99	0.16	2589	4.20	**464**	312	0.51	11584	18.77	**511**	503	0.82	30957	50.17
418	88	0.14	2677	4.34	**465**	316	0.51	11900	19.28	**512**	511	0.83	31468	51.00
419	105	0.17	2782	4.51	**466**	273	0.44	12173	19.73	**513**	518	0.84	31986	51.84
420	97	0.16	2879	4.67	**467**	299	0.48	12472	20.21	**514**	462	0.75	32448	52.58
421	100	0.16	2979	4.83	**468**	327	0.53	12799	20.74	**515**	487	0.79	32935	53.37
422	104	0.17	3083	5.00	**469**	311	0.50	13110	21.25	**516**	539	0.87	33474	54.25
423	104	0.17	3187	5.16	**470**	352	0.57	13462	21.82	**517**	536	0.87	34010	55.12
424	94	0.15	3281	5.32	**471**	337	0.55	13799	22.36	**518**	487	0.79	34497	55.91
425	122	0.20	3403	5.51	**472**	338	0.55	14137	22.91	**519**	483	0.78	34980	56.69
426	120	0.19	3523	5.71	**473**	360	0.58	14497	23.49	**520**	492	0.80	35472	57.49
427	131	0.21	3654	5.92	**474**	348	0.56	14845	24.06	**521**	488	0.79	35960	58.28
428	143	0.23	3797	6.15	**475**	340	0.55	15185	24.61	**522**	536	0.87	36496	59.14
429	147	0.24	3944	6.39	**476**	334	0.54	15519	25.15	**523**	492	0.80	36988	59.94
430	142	0.23	4086	6.62	**477**	370	0.60	15889	25.75	**524**	473	0.77	37461	60.71
431	181	0.29	4267	6.92	**478**	407	0.66	16296	26.41	**525**	478	0.77	37939	61.48
432	156	0.25	4423	7.17	**479**	358	0.58	16654	26.99	**526**	438	0.71	38377	62.19
433	157	0.25	4580	7.42	**480**	354	0.57	17008	27.56	**527**	458	0.74	38835	62.94
434	165	0.27	4745	7.69	**481**	418	0.68	17426	28.24	**528**	479	0.78	39314	63.71
435	181	0.29	4926	7.98	**482**	458	0.74	17884	28.98	**529**	451	0.73	39765	64.44
436	161	0.26	5087	8.24	**483**	396	0.64	18280	29.62	**530**	452	0.73	40217	65.18
437	184	0.30	5271	8.54	**484**	423	0.69	18703	30.31	**531**	441	0.71	40658	65.89
438	181	0.29	5452	8.84	**485**	385	0.62	19088	30.93	**532**	427	0.69	41085	66.58
439	181	0.29	5633	9.13	**486**	391	0.63	19479	31.57	**533**	456	0.74	41541	67.32
440	186	0.30	5819	9.43	**487**	452	0.73	19931	32.30	**534**	444	0.72	41985	68.04
441	168	0.27	5987	9.70	**488**	420	0.68	20351	32.98	**535**	444	0.72	42429	68.76
442	187	0.30	6174	10.01	**489**	407	0.66	20758	33.64	**536**	440	0.71	42869	69.47
443	184	0.30	6358	10.30	**490**	461	0.75	21219	34.39	**537**	424	0.69	43293	70.16
444	188	0.30	6546	10.61	**491**	412	0.67	21631	35.05	**538**	447	0.72	43740	70.88
445	202	0.33	6748	10.94	**492**	462	0.75	22093	35.80	**539**	442	0.72	44182	71.60
446	221	0.36	6969	11.29	**493**	422	0.68	22515	36.49	**540**	403	0.65	44585	72.25
447	215	0.35	7184	11.64	**494**	432	0.70	22947	37.19	**541**	413	0.67	44998	72.92
448	201	0.33	7385	11.97	**495**	435	0.70	23382	37.89	**542**	394	0.64	45392	73.56
449	234	0.38	7619	12.35	**496**	459	0.74	23841	38.64	**543**	400	0.65	45792	74.21
450	215	0.35	7834	12.70	**497**	500	0.81	24341	39.45	**544**	380	0.62	46172	74.83
451	274	0.44	8108	13.14	**498**	486	0.79	24827	40.23	**545**	429	0.70	46601	75.52
452	238	0.39	8346	13.53	**499**	420	0.68	25247	40.91	**546**	342	0.55	46943	76.08
453	257	0.42	8603	13.94	**500**	484	0.78	25731	41.70	**547**	396	0.64	47339	76.72
454	230	0.37	8833	14.31	**501**	436	0.71	26167	42.41	**548**	343	0.56	47682	77.27
455	255	0.41	9088	14.73	**502**	433	0.70	26600	43.11	**549**	365	0.59	48047	77.86
456	259	0.42	9347	15.15	**503**	502	0.81	27102	43.92	**550**	362	0.59	48409	78.45
457	247	0.40	9594	15.55	**504**	484	0.78	27586	44.71	**551**	337	0.55	48746	79.00
458	279	0.45	9873	16.00	**505**	442	0.72	28028	45.42	**552**	313	0.51	49059	79.50
459	273	0.44	10146	16.44	**506**	488	0.79	28516	46.21	**553**	346	0.56	49405	80.07
460	267	0.43	10413	16.88	**507**	471	0.76	28987	46.98	**554**	324	0.53	49729	80.59

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Table 170. Scale Score Distribution, Writing Grade 5 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
555	308	0.50	50037	81.09	**602**	73	0.12	58826	95.33	**649**	20	0.03	60989	98.84
556	314	0.51	50351	81.60	**603**	77	0.12	58903	95.46	**650**	17	0.03	61006	98.87
557	326	0.53	50677	82.13	**604**	77	0.12	58980	95.58	**651**	19	0.03	61025	98.90
558	298	0.48	50975	82.61	**605**	76	0.12	59056	95.71	**652**	18	0.03	61043	98.93
559	306	0.50	51281	83.11	**606**	89	0.14	59145	95.85	**653**	6	0.01	61049	98.94
560	287	0.47	51568	83.57	**607**	87	0.14	59232	95.99	**654**	13	0.02	61062	98.96
561	304	0.49	51872	84.06	**608**	77	0.12	59309	96.12	**655**	3	0.00	61065	98.96
562	281	0.46	52153	84.52	**609**	65	0.11	59374	96.22	**656**	8	0.01	61073	98.97
563	258	0.42	52411	84.94	**610**	97	0.16	59471	96.38	**657**	12	0.02	61085	98.99
564	268	0.43	52679	85.37	**611**	55	0.09	59526	96.47	**658**	9	0.01	61094	99.01
565	277	0.45	52956	85.82	**612**	56	0.09	59582	96.56	**659**	26	0.04	61120	99.05
566	245	0.40	53201	86.22	**613**	49	0.08	59631	96.64	**660**	30	0.05	61150	99.10
567	212	0.34	53413	86.56	**614**	49	0.08	59680	96.72	**661**	15	0.02	61165	99.12
568	251	0.41	53664	86.97	**615**	48	0.08	59728	96.79	**662**	22	0.04	61187	99.16
569	230	0.37	53894	87.34	**616**	53	0.09	59781	96.88	**663**	7	0.01	61194	99.17
570	233	0.38	54127	87.72	**617**	58	0.09	59839	96.97	**664**	5	0.01	61199	99.18
571	217	0.35	54344	88.07	**618**	46	0.07	59885	97.05	**665**	15	0.02	61214	99.20
572	212	0.34	54556	88.41	**619**	39	0.06	59924	97.11	**666**	10	0.02	61224	99.22
573	221	0.36	54777	88.77	**620**	53	0.09	59977	97.20	**667**	16	0.03	61240	99.24
574	209	0.34	54986	89.11	**621**	69	0.11	60046	97.31	**668**	35	0.06	61275	99.30
575	176	0.29	55162	89.39	**622**	39	0.06	60085	97.37	**669**	23	0.04	61298	99.34
576	174	0.28	55336	89.68	**623**	38	0.06	60123	97.43	**670**	36	0.06	61334	99.40
577	218	0.35	55554	90.03	**624**	60	0.10	60183	97.53	**671**	2	0.00	61336	99.40
578	190	0.31	55744	90.34	**625**	36	0.06	60219	97.59	**672**	8	0.01	61344	99.41
579	177	0.29	55921	90.62	**626**	49	0.08	60268	97.67	**673**	5	0.01	61349	99.42
580	149	0.24	56070	90.87	**627**	38	0.06	60306	97.73	**674**	15	0.02	61364	99.45
581	188	0.30	56258	91.17	**628**	31	0.05	60337	97.78	**676**	4	0.01	61368	99.45
582	147	0.24	56405	91.41	**629**	52	0.08	60389	97.87	**677**	21	0.03	61389	99.49
583	170	0.28	56575	91.68	**630**	22	0.04	60411	97.90	**678**	10	0.02	61399	99.50
584	150	0.24	56725	91.93	**631**	45	0.07	60456	97.97	**679**	8	0.01	61407	99.52
585	146	0.24	56871	92.16	**632**	42	0.07	60498	98.04	**680**	1	0.00	61408	99.52
586	154	0.25	57025	92.41	**633**	26	0.04	60524	98.08	**681**	2	0.00	61410	99.52
587	141	0.23	57166	92.64	**634**	25	0.04	60549	98.12	**682**	7	0.01	61417	99.53
588	137	0.22	57303	92.86	**635**	18	0.03	60567	98.15	**683**	4	0.01	61421	99.54
589	122	0.20	57425	93.06	**636**	28	0.05	60595	98.20	**684**	3	0.00	61424	99.54
590	112	0.18	57537	93.24	**637**	42	0.07	60637	98.27	**686**	6	0.01	61430	99.55
591	108	0.18	57645	93.42	**638**	39	0.06	60676	98.33	**687**	4	0.01	61434	99.56
592	116	0.19	57761	93.61	**639**	39	0.06	60715	98.39	**689**	2	0.00	61436	99.56
593	99	0.16	57860	93.77	**640**	19	0.03	60734	98.42	**690**	4	0.01	61440	99.57
594	122	0.20	57982	93.96	**641**	17	0.03	60751	98.45	**691**	8	0.01	61448	99.58
595	125	0.20	58107	94.17	**642**	36	0.06	60787	98.51	**692**	5	0.01	61453	99.59
596	93	0.15	58200	94.32	**643**	22	0.04	60809	98.55	**693**	23	0.04	61476	99.63
597	88	0.14	58288	94.46	**644**	34	0.06	60843	98.60	**697**	2	0.00	61478	99.63
598	139	0.23	58427	94.69	**645**	68	0.11	60911	98.71	**698**	1	0.00	61479	99.63
599	109	0.18	58536	94.86	**646**	10	0.02	60921	98.73	**699**	2	0.00	61481	99.64
600	114	0.18	58650	95.05	**647**	28	0.05	60949	98.77	**701**	7	0.01	61488	99.65
601	103	0.17	58753	95.21	**648**	20	0.03	60969	98.81	**703**	5	0.01	61493	99.65

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Table 170. Scale Score Distribution, Writing Grade 5 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %
704	9	0.01	61502	99.67
706	13	0.02	61515	99.69
707	59	0.10	61574	99.79
712	1	0.00	61575	99.79
713	5	0.01	61580	99.80
714	4	0.01	61584	99.80
716	1	0.00	61585	99.80
717	8	0.01	61593	99.82
719	7	0.01	61600	99.83
721	9	0.01	61609	99.84
722	9	0.01	61618	99.86
724	7	0.01	61625	99.87
728	2	0.00	61627	99.87
732	12	0.02	61639	99.89
740	11	0.02	61650	99.91
780	56	0.09	61706	100.00

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Table 171. Scale Score Distribution, Mathematics Grade 5

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
220	244	0.39	244	0.39	**272**	3	0.00	417	0.67	**319**	17	0.03	828	1.34
221	3	0.00	247	0.40	**273**	4	0.01	421	0.68	**320**	13	0.02	841	1.36
222	4	0.01	251	0.41	**274**	4	0.01	425	0.69	**321**	18	0.03	859	1.39
223	5	0.01	256	0.41	**275**	6	0.01	431	0.70	**322**	17	0.03	876	1.42
224	2	0.00	258	0.42	**276**	4	0.01	435	0.70	**323**	12	0.02	888	1.44
225	2	0.00	260	0.42	**277**	8	0.01	443	0.72	**324**	13	0.02	901	1.46
226	4	0.01	264	0.43	**278**	5	0.01	448	0.72	**325**	13	0.02	914	1.48
227	1	0.00	265	0.43	**279**	7	0.01	455	0.74	**326**	17	0.03	931	1.51
228	2	0.00	267	0.43	**280**	5	0.01	460	0.74	**327**	13	0.02	944	1.53
229	3	0.00	270	0.44	**281**	10	0.02	470	0.76	**328**	18	0.03	962	1.56
230	1	0.00	271	0.44	**282**	12	0.02	482	0.78	**329**	15	0.02	977	1.58
231	4	0.01	275	0.44	**283**	6	0.01	488	0.79	**330**	17	0.03	994	1.61
234	2	0.00	277	0.45	**284**	7	0.01	495	0.80	**331**	22	0.04	1016	1.64
235	1	0.00	278	0.45	**285**	3	0.00	498	0.81	**332**	18	0.03	1034	1.67
238	1	0.00	279	0.45	**286**	13	0.02	511	0.83	**333**	25	0.04	1059	1.71
239	2	0.00	281	0.45	**287**	6	0.01	517	0.84	**334**	19	0.03	1078	1.74
240	2	0.00	283	0.46	**288**	9	0.01	526	0.85	**335**	11	0.02	1089	1.76
242	3	0.00	286	0.46	**289**	7	0.01	533	0.86	**336**	19	0.03	1108	1.79
243	5	0.01	291	0.47	**290**	7	0.01	540	0.87	**337**	21	0.03	1129	1.83
244	3	0.00	294	0.48	**291**	11	0.02	551	0.89	**338**	23	0.04	1152	1.86
245	7	0.01	301	0.49	**292**	10	0.02	561	0.91	**339**	29	0.05	1181	1.91
246	4	0.01	305	0.49	**293**	4	0.01	565	0.91	**340**	36	0.06	1217	1.97
247	1	0.00	306	0.50	**294**	12	0.02	577	0.93	**341**	26	0.04	1243	2.01
248	3	0.00	309	0.50	**295**	8	0.01	585	0.95	**342**	24	0.04	1267	2.05
249	2	0.00	311	0.50	**296**	7	0.01	592	0.96	**343**	22	0.04	1289	2.09
250	7	0.01	318	0.51	**297**	8	0.01	600	0.97	**344**	34	0.06	1323	2.14
251	5	0.01	323	0.52	**298**	12	0.02	612	0.99	**345**	25	0.04	1348	2.18
252	4	0.01	327	0.53	**299**	10	0.02	622	1.01	**346**	35	0.06	1383	2.24
253	2	0.00	329	0.53	**300**	6	0.01	628	1.02	**347**	21	0.03	1404	2.27
254	5	0.01	334	0.54	**301**	14	0.02	642	1.04	**348**	37	0.06	1441	2.33
255	2	0.00	336	0.54	**302**	11	0.02	653	1.06	**349**	36	0.06	1477	2.39
256	2	0.00	338	0.55	**303**	12	0.02	665	1.08	**350**	27	0.04	1504	2.43
257	6	0.01	344	0.56	**304**	9	0.01	674	1.09	**351**	23	0.04	1527	2.47
258	7	0.01	351	0.57	**305**	7	0.01	681	1.10	**352**	27	0.04	1554	2.51
259	1	0.00	352	0.57	**306**	10	0.02	691	1.12	**353**	34	0.06	1588	2.57
260	5	0.01	357	0.58	**307**	9	0.01	700	1.13	**354**	26	0.04	1614	2.61
261	5	0.01	362	0.59	**308**	16	0.03	716	1.16	**355**	37	0.06	1651	2.67
262	6	0.01	368	0.60	**309**	12	0.02	728	1.18	**356**	36	0.06	1687	2.73
263	5	0.01	373	0.60	**310**	8	0.01	736	1.19	**357**	32	0.05	1719	2.78
264	4	0.01	377	0.61	**311**	8	0.01	744	1.20	**358**	23	0.04	1742	2.82
265	5	0.01	382	0.62	**312**	8	0.01	752	1.22	**359**	36	0.06	1778	2.88
266	3	0.00	385	0.62	**313**	16	0.03	768	1.24	**360**	40	0.06	1818	2.94
267	7	0.01	392	0.63	**314**	5	0.01	773	1.25	**361**	41	0.07	1859	3.01
268	6	0.01	398	0.64	**315**	8	0.01	781	1.26	**362**	40	0.06	1899	3.07
269	4	0.01	402	0.65	**316**	11	0.02	792	1.28	**363**	31	0.05	1930	3.12
270	7	0.01	409	0.66	**317**	10	0.02	802	1.30	**364**	49	0.08	1979	3.20
271	5	0.01	414	0.67	**318**	9	0.01	811	1.31	**365**	52	0.08	2031	3.29

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Table 171. Scale Score Distribution, Mathematics Grade 5 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
366	44	0.07	2075	3.36	**413**	90	0.15	5182	8.38	**460**	224	0.36	12356	19.99
367	30	0.05	2105	3.41	**414**	93	0.15	5275	8.54	**461**	236	0.38	12592	20.37
368	39	0.06	2144	3.47	**415**	103	0.17	5378	8.70	**462**	235	0.38	12827	20.75
369	40	0.06	2184	3.53	**416**	110	0.18	5488	8.88	**463**	256	0.41	13083	21.17
370	45	0.07	2229	3.61	**417**	96	0.16	5584	9.04	**464**	237	0.38	13320	21.55
371	37	0.06	2266	3.67	**418**	101	0.16	5685	9.20	**465**	213	0.34	13533	21.90
372	45	0.07	2311	3.74	**419**	121	0.20	5806	9.39	**466**	229	0.37	13762	22.27
373	51	0.08	2362	3.82	**420**	117	0.19	5923	9.58	**467**	220	0.36	13982	22.62
374	43	0.07	2405	3.89	**421**	126	0.20	6049	9.79	**468**	222	0.36	14204	22.98
375	44	0.07	2449	3.96	**422**	96	0.16	6145	9.94	**469**	228	0.37	14432	23.35
376	55	0.09	2504	4.05	**423**	96	0.16	6241	10.10	**470**	246	0.40	14678	23.75
377	54	0.09	2558	4.14	**424**	118	0.19	6359	10.29	**471**	230	0.37	14908	24.12
378	49	0.08	2607	4.22	**425**	126	0.20	6485	10.49	**472**	253	0.41	15161	24.53
379	46	0.07	2653	4.29	**426**	132	0.21	6617	10.71	**473**	259	0.42	15420	24.95
380	53	0.09	2706	4.38	**427**	128	0.21	6745	10.91	**474**	232	0.38	15652	25.33
381	51	0.08	2757	4.46	**428**	128	0.21	6873	11.12	**475**	268	0.43	15920	25.76
382	56	0.09	2813	4.55	**429**	144	0.23	7017	11.35	**476**	267	0.43	16187	26.19
383	66	0.11	2879	4.66	**430**	136	0.22	7153	11.57	**477**	284	0.46	16471	26.65
384	63	0.10	2942	4.76	**431**	129	0.21	7282	11.78	**478**	260	0.42	16731	27.07
385	50	0.08	2992	4.84	**432**	135	0.22	7417	12.00	**479**	272	0.44	17003	27.51
386	60	0.10	3052	4.94	**433**	156	0.25	7573	12.25	**480**	255	0.41	17258	27.92
387	71	0.11	3123	5.05	**434**	154	0.25	7727	12.50	**481**	275	0.44	17533	28.37
388	50	0.08	3173	5.13	**435**	133	0.22	7860	12.72	**482**	263	0.43	17796	28.79
389	54	0.09	3227	5.22	**436**	156	0.25	8016	12.97	**483**	265	0.43	18061	29.22
390	70	0.11	3297	5.33	**437**	161	0.26	8177	13.23	**484**	287	0.46	18348	29.69
391	54	0.09	3351	5.42	**438**	162	0.26	8339	13.49	**485**	265	0.43	18613	30.12
392	60	0.10	3411	5.52	**439**	165	0.27	8504	13.76	**486**	305	0.49	18918	30.61
393	67	0.11	3478	5.63	**440**	186	0.30	8690	14.06	**487**	259	0.42	19177	31.03
394	78	0.13	3556	5.75	**441**	147	0.24	8837	14.30	**488**	260	0.42	19437	31.45
395	75	0.12	3631	5.88	**442**	150	0.24	8987	14.54	**489**	259	0.42	19696	31.87
396	96	0.16	3727	6.03	**443**	150	0.24	9137	14.78	**490**	303	0.49	19999	32.36
397	85	0.14	3812	6.17	**444**	191	0.31	9328	15.09	**491**	288	0.47	20287	32.83
398	69	0.11	3881	6.28	**445**	190	0.31	9518	15.40	**492**	308	0.50	20595	33.32
399	80	0.13	3961	6.41	**446**	186	0.30	9704	15.70	**493**	256	0.41	20851	33.74
400	86	0.14	4047	6.55	**447**	156	0.25	9860	15.95	**494**	299	0.48	21150	34.22
401	81	0.13	4128	6.68	**448**	195	0.32	10055	16.27	**495**	301	0.49	21451	34.71
402	64	0.10	4192	6.78	**449**	165	0.27	10220	16.54	**496**	298	0.48	21749	35.19
403	97	0.16	4289	6.94	**450**	177	0.29	10397	16.82	**497**	312	0.50	22061	35.70
404	80	0.13	4369	7.07	**451**	156	0.25	10553	17.08	**498**	273	0.44	22334	36.14
405	80	0.13	4449	7.20	**452**	199	0.32	10752	17.40	**499**	293	0.47	22627	36.61
406	76	0.12	4525	7.32	**453**	168	0.27	10920	17.67	**500**	302	0.49	22929	37.10
407	97	0.16	4622	7.48	**454**	179	0.29	11099	17.96	**501**	303	0.49	23232	37.59
408	88	0.14	4710	7.62	**455**	196	0.32	11295	18.28	**502**	334	0.54	23566	38.13
409	92	0.15	4802	7.77	**456**	184	0.30	11479	18.57	**503**	330	0.53	23896	38.66
410	111	0.18	4913	7.95	**457**	228	0.37	11707	18.94	**504**	294	0.48	24190	39.14
411	81	0.13	4994	8.08	**458**	196	0.32	11903	19.26	**505**	295	0.48	24485	39.62
412	98	0.16	5092	8.24	**459**	229	0.37	12132	19.63	**506**	308	0.50	24793	40.12

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Table 171. Scale Score Distribution, Mathematics Grade 5 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
507	298	0.48	25091	40.60	**554**	337	0.55	40869	66.13	**601**	186	0.30	53005	85.76
508	352	0.57	25443	41.17	**555**	308	0.50	41177	66.63	**602**	198	0.32	53203	86.08
509	351	0.57	25794	41.74	**556**	318	0.51	41495	67.14	**603**	187	0.30	53390	86.39
510	306	0.50	26100	42.23	**557**	292	0.47	41787	67.61	**604**	186	0.30	53576	86.69
511	313	0.51	26413	42.74	**558**	335	0.54	42122	68.16	**605**	185	0.30	53761	86.99
512	325	0.53	26738	43.26	**559**	268	0.43	42390	68.59	**606**	184	0.30	53945	87.29
513	299	0.48	27037	43.75	**560**	327	0.53	42717	69.12	**607**	166	0.27	54111	87.55
514	312	0.50	27349	44.25	**561**	275	0.44	42992	69.56	**608**	195	0.32	54306	87.87
515	324	0.52	27673	44.78	**562**	275	0.44	43267	70.01	**609**	179	0.29	54485	88.16
516	335	0.54	28008	45.32	**563**	281	0.45	43548	70.46	**610**	177	0.29	54662	88.45
517	343	0.55	28351	45.87	**564**	299	0.48	43847	70.95	**611**	197	0.32	54859	88.76
518	331	0.54	28682	46.41	**565**	297	0.48	44144	71.43	**612**	170	0.28	55029	89.04
519	299	0.48	28981	46.89	**566**	270	0.44	44414	71.86	**613**	153	0.25	55182	89.29
520	318	0.51	29299	47.41	**567**	267	0.43	44681	72.30	**614**	160	0.26	55342	89.55
521	359	0.58	29658	47.99	**568**	300	0.49	44981	72.78	**615**	160	0.26	55502	89.80
522	342	0.55	30000	48.54	**569**	317	0.51	45298	73.29	**616**	153	0.25	55655	90.05
523	359	0.58	30359	49.12	**570**	296	0.48	45594	73.77	**617**	142	0.23	55797	90.28
524	350	0.57	30709	49.69	**571**	278	0.45	45872	74.22	**618**	136	0.22	55933	90.50
525	371	0.60	31080	50.29	**572**	274	0.44	46146	74.67	**619**	136	0.22	56069	90.72
526	339	0.55	31419	50.84	**573**	276	0.45	46422	75.11	**620**	141	0.23	56210	90.95
527	363	0.59	31782	51.42	**574**	282	0.46	46704	75.57	**621**	113	0.18	56323	91.13
528	357	0.58	32139	52.00	**575**	272	0.44	46976	76.01	**622**	145	0.23	56468	91.37
529	335	0.54	32474	52.54	**576**	243	0.39	47219	76.40	**623**	132	0.21	56600	91.58
530	342	0.55	32816	53.10	**577**	275	0.44	47494	76.85	**624**	122	0.20	56722	91.78
531	326	0.53	33142	53.63	**578**	254	0.41	47748	77.26	**625**	143	0.23	56865	92.01
532	340	0.55	33482	54.18	**579**	256	0.41	48004	77.67	**626**	120	0.19	56985	92.20
533	308	0.50	33790	54.67	**580**	232	0.38	48236	78.05	**627**	118	0.19	57103	92.40
534	326	0.53	34116	55.20	**581**	212	0.34	48448	78.39	**628**	113	0.18	57216	92.58
535	376	0.61	34492	55.81	**582**	245	0.40	48693	78.79	**629**	128	0.21	57344	92.79
536	335	0.54	34827	56.35	**583**	234	0.38	48927	79.17	**630**	129	0.21	57473	92.99
537	296	0.48	35123	56.83	**584**	257	0.42	49184	79.58	**631**	119	0.19	57592	93.19
538	306	0.50	35429	57.33	**585**	242	0.39	49426	79.97	**632**	109	0.18	57701	93.36
539	318	0.51	35747	57.84	**586**	251	0.41	49677	80.38	**633**	107	0.17	57808	93.54
540	346	0.56	36093	58.40	**587**	252	0.41	49929	80.79	**634**	111	0.18	57919	93.72
541	391	0.63	36484	59.03	**588**	246	0.40	50175	81.19	**635**	108	0.17	58027	93.89
542	345	0.56	36829	59.59	**589**	234	0.38	50409	81.56	**636**	84	0.14	58111	94.03
543	346	0.56	37175	60.15	**590**	251	0.41	50660	81.97	**637**	74	0.12	58185	94.15
544	332	0.54	37507	60.69	**591**	231	0.37	50891	82.34	**638**	96	0.16	58281	94.30
545	332	0.54	37839	61.23	**592**	247	0.40	51138	82.74	**639**	95	0.15	58376	94.45
546	348	0.56	38187	61.79	**593**	208	0.34	51346	83.08	**640**	103	0.17	58479	94.62
547	330	0.53	38517	62.32	**594**	200	0.32	51546	83.40	**641**	88	0.14	58567	94.76
548	359	0.58	38876	62.90	**595**	211	0.34	51757	83.75	**642**	87	0.14	58654	94.90
549	348	0.56	39224	63.47	**596**	206	0.33	51963	84.08	**643**	92	0.15	58746	95.05
550	345	0.56	39569	64.02	**597**	205	0.33	52168	84.41	**644**	72	0.12	58818	95.17
551	331	0.54	39900	64.56	**598**	222	0.36	52390	84.77	**645**	87	0.14	58905	95.31
552	317	0.51	40217	65.07	**599**	225	0.36	52615	85.13	**646**	85	0.14	58990	95.45
553	315	0.51	40532	65.58	**600**	204	0.33	52819	85.46	**647**	79	0.13	59069	95.58

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Table 171. Scale Score Distribution, Mathematics Grade 5 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
648	67	0.11	59136	95.68	**695**	20	0.03	61143	98.93	**743**	5	0.01	61610	99.69
649	77	0.12	59213	95.81	**696**	13	0.02	61156	98.95	**745**	2	0.00	61612	99.69
650	64	0.10	59277	95.91	**697**	14	0.02	61170	98.98	**746**	2	0.00	61614	99.69
651	82	0.13	59359	96.05	**698**	11	0.02	61181	98.99	**747**	6	0.01	61620	99.70
652	78	0.13	59437	96.17	**699**	20	0.03	61201	99.03	**748**	16	0.03	61636	99.73
653	56	0.09	59493	96.26	**700**	25	0.04	61226	99.07	**749**	3	0.00	61639	99.73
654	56	0.09	59549	96.35	**701**	13	0.02	61239	99.09	**751**	2	0.00	61641	99.74
655	68	0.11	59617	96.46	**702**	14	0.02	61253	99.11	**752**	1	0.00	61642	99.74
656	64	0.10	59681	96.57	**703**	16	0.03	61269	99.14	**753**	3	0.00	61645	99.74
657	66	0.11	59747	96.67	**704**	18	0.03	61287	99.17	**754**	11	0.02	61656	99.76
658	55	0.09	59802	96.76	**705**	20	0.03	61307	99.20	**755**	5	0.01	61661	99.77
659	59	0.10	59861	96.86	**706**	9	0.01	61316	99.21	**756**	6	0.01	61667	99.78
660	58	0.09	59919	96.95	**707**	16	0.03	61332	99.24	**757**	11	0.02	61678	99.80
661	55	0.09	59974	97.04	**708**	17	0.03	61349	99.27	**759**	2	0.00	61680	99.80
662	51	0.08	60025	97.12	**709**	21	0.03	61370	99.30	**761**	4	0.01	61684	99.81
663	53	0.09	60078	97.21	**710**	12	0.02	61382	99.32	**762**	2	0.00	61686	99.81
664	45	0.07	60123	97.28	**711**	10	0.02	61392	99.33	**763**	5	0.01	61691	99.82
665	45	0.07	60168	97.35	**712**	2	0.00	61394	99.34	**764**	1	0.00	61692	99.82
666	55	0.09	60223	97.44	**713**	6	0.01	61400	99.35	**766**	4	0.01	61696	99.83
667	39	0.06	60262	97.51	**714**	12	0.02	61412	99.37	**767**	4	0.01	61700	99.83
668	48	0.08	60310	97.58	**715**	7	0.01	61419	99.38	**770**	1	0.00	61701	99.83
669	48	0.08	60358	97.66	**716**	10	0.02	61429	99.39	**771**	2	0.00	61703	99.84
670	43	0.07	60401	97.73	**717**	13	0.02	61442	99.42	**774**	1	0.00	61704	99.84
671	40	0.06	60441	97.80	**718**	6	0.01	61448	99.43	**775**	3	0.00	61707	99.84
672	34	0.06	60475	97.85	**719**	7	0.01	61455	99.44	**777**	1	0.00	61708	99.85
673	32	0.05	60507	97.90	**720**	14	0.02	61469	99.46	**783**	1	0.00	61709	99.85
674	40	0.06	60547	97.97	**721**	8	0.01	61477	99.47	**785**	6	0.01	61715	99.86
675	35	0.06	60582	98.02	**722**	5	0.01	61482	99.48	**786**	1	0.00	61716	99.86
676	32	0.05	60614	98.08	**723**	1	0.00	61483	99.48	**798**	15	0.02	61731	99.88
677	32	0.05	60646	98.13	**724**	11	0.02	61494	99.50	**799**	5	0.01	61736	99.89
678	33	0.05	60679	98.18	**725**	13	0.02	61507	99.52	**800**	67	0.11	61803	100.00
679	43	0.07	60722	98.25	**726**	12	0.02	61519	99.54					
680	44	0.07	60766	98.32	**727**	7	0.01	61526	99.55					
681	39	0.06	60805	98.39	**728**	6	0.01	61532	99.56					
682	31	0.05	60836	98.44	**729**	7	0.01	61539	99.57					
683	29	0.05	60865	98.48	**730**	8	0.01	61547	99.59					
684	25	0.04	60890	98.52	**731**	7	0.01	61554	99.60					
685	30	0.05	60920	98.57	**732**	4	0.01	61558	99.60					
686	24	0.04	60944	98.61	**733**	7	0.01	61565	99.61					
687	24	0.04	60968	98.65	**734**	4	0.01	61569	99.62					
688	18	0.03	60986	98.68	**735**	3	0.00	61572	99.63					
689	26	0.04	61012	98.72	**736**	8	0.01	61580	99.64					
690	17	0.03	61029	98.75	**737**	5	0.01	61585	99.65					
691	22	0.04	61051	98.78	**738**	1	0.00	61586	99.65					
692	28	0.05	61079	98.83	**740**	4	0.01	61590	99.66					
693	21	0.03	61100	98.86	**741**	14	0.02	61604	99.68					
694	23	0.04	61123	98.90	**742**	1	0.00	61605	99.68					

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Table 172. Scale Score Distribution, Science Grade 5

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
300	590	0.95	590	0.95	**347**	44	0.07	1616	2.62	**394**	95	0.15	4755	7.70
301	7	0.01	597	0.97	**348**	41	0.07	1657	2.68	**395**	91	0.15	4846	7.84
302	13	0.02	610	0.99	**349**	34	0.06	1691	2.74	**396**	112	0.18	4958	8.02
303	7	0.01	617	1.00	**350**	32	0.05	1723	2.79	**397**	117	0.19	5075	8.21
304	13	0.02	630	1.02	**351**	50	0.08	1773	2.87	**398**	114	0.18	5189	8.40
305	23	0.04	653	1.06	**352**	32	0.05	1805	2.92	**399**	111	0.18	5300	8.58
306	11	0.02	664	1.07	**353**	48	0.08	1853	3.00	**400**	126	0.20	5426	8.78
307	14	0.02	678	1.10	**354**	42	0.07	1895	3.07	**401**	147	0.24	5573	9.02
308	10	0.02	688	1.11	**355**	54	0.09	1949	3.15	**402**	118	0.19	5691	9.21
309	10	0.02	698	1.13	**356**	41	0.07	1990	3.22	**403**	132	0.21	5823	9.42
310	11	0.02	709	1.15	**357**	67	0.11	2057	3.33	**404**	111	0.18	5934	9.60
311	20	0.03	729	1.18	**358**	49	0.08	2106	3.41	**405**	149	0.24	6083	9.85
312	12	0.02	741	1.20	**359**	45	0.07	2151	3.48	**406**	130	0.21	6213	10.06
313	16	0.03	757	1.23	**360**	60	0.10	2211	3.58	**407**	139	0.22	6352	10.28
314	15	0.02	772	1.25	**361**	55	0.09	2266	3.67	**408**	136	0.22	6488	10.50
315	13	0.02	785	1.27	**362**	52	0.08	2318	3.75	**409**	121	0.20	6609	10.70
316	21	0.03	806	1.30	**363**	49	0.08	2367	3.83	**410**	150	0.24	6759	10.94
317	15	0.02	821	1.33	**364**	55	0.09	2422	3.92	**411**	147	0.24	6906	11.18
318	25	0.04	846	1.37	**365**	65	0.11	2487	4.03	**412**	158	0.26	7064	11.43
319	16	0.03	862	1.40	**366**	66	0.11	2553	4.13	**413**	166	0.27	7230	11.70
320	15	0.02	877	1.42	**367**	57	0.09	2610	4.22	**414**	157	0.25	7387	11.96
321	27	0.04	904	1.46	**368**	55	0.09	2665	4.31	**415**	134	0.22	7521	12.17
322	21	0.03	925	1.50	**369**	62	0.10	2727	4.41	**416**	163	0.26	7684	12.44
323	22	0.04	947	1.53	**370**	71	0.11	2798	4.53	**417**	146	0.24	7830	12.67
324	23	0.04	970	1.57	**371**	65	0.11	2863	4.63	**418**	144	0.23	7974	12.91
325	20	0.03	990	1.60	**372**	64	0.10	2927	4.74	**419**	136	0.22	8110	13.13
326	16	0.03	1006	1.63	**373**	74	0.12	3001	4.86	**420**	160	0.26	8270	13.38
327	27	0.04	1033	1.67	**374**	60	0.10	3061	4.95	**421**	154	0.25	8424	13.63
328	15	0.02	1048	1.70	**375**	77	0.12	3138	5.08	**422**	185	0.30	8609	13.93
329	21	0.03	1069	1.73	**376**	76	0.12	3214	5.20	**423**	159	0.26	8768	14.19
330	24	0.04	1093	1.77	**377**	90	0.15	3304	5.35	**424**	159	0.26	8927	14.45
331	32	0.05	1125	1.82	**378**	68	0.11	3372	5.46	**425**	191	0.31	9118	14.76
332	23	0.04	1148	1.86	**379**	66	0.11	3438	5.56	**426**	187	0.30	9305	15.06
333	18	0.03	1166	1.89	**380**	90	0.15	3528	5.71	**427**	186	0.30	9491	15.36
334	25	0.04	1191	1.93	**381**	74	0.12	3602	5.83	**428**	177	0.29	9668	15.65
335	25	0.04	1216	1.97	**382**	77	0.12	3679	5.95	**429**	193	0.31	9861	15.96
336	30	0.05	1246	2.02	**383**	81	0.13	3760	6.09	**430**	184	0.30	10045	16.26
337	31	0.05	1277	2.07	**384**	89	0.14	3849	6.23	**431**	202	0.33	10247	16.58
338	28	0.05	1305	2.11	**385**	87	0.14	3936	6.37	**432**	206	0.33	10453	16.92
339	25	0.04	1330	2.15	**386**	93	0.15	4029	6.52	**433**	209	0.34	10662	17.26
340	44	0.07	1374	2.22	**387**	85	0.14	4114	6.66	**434**	169	0.27	10831	17.53
341	23	0.04	1397	2.26	**388**	75	0.12	4189	6.78	**435**	205	0.33	11036	17.86
342	31	0.05	1428	2.31	**389**	85	0.14	4274	6.92	**436**	221	0.36	11257	18.22
343	34	0.06	1462	2.37	**390**	92	0.15	4366	7.07	**437**	211	0.34	11468	18.56
344	40	0.06	1502	2.43	**391**	106	0.17	4472	7.24	**438**	196	0.32	11664	18.88
345	30	0.05	1532	2.48	**392**	95	0.15	4567	7.39	**439**	211	0.34	11875	19.22
346	40	0.06	1572	2.54	**393**	93	0.15	4660	7.54	**440**	228	0.37	12103	19.59

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Table 172. Scale Score Distribution, Science Grade 5 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
441	219	0.35	12322	19.94	**488**	321	0.52	26007	42.09	**535**	378	0.61	43290	70.06
442	246	0.40	12568	20.34	**489**	360	0.58	26367	42.67	**536**	363	0.59	43653	70.65
443	243	0.39	12811	20.73	**490**	372	0.60	26739	43.28	**537**	358	0.58	44011	71.23
444	249	0.40	13060	21.14	**491**	320	0.52	27059	43.79	**538**	353	0.57	44364	71.80
445	246	0.40	13306	21.54	**492**	320	0.52	27379	44.31	**539**	341	0.55	44705	72.35
446	227	0.37	13533	21.90	**493**	341	0.55	27720	44.86	**540**	350	0.57	45055	72.92
447	266	0.43	13799	22.33	**494**	373	0.60	28093	45.47	**541**	344	0.56	45399	73.48
448	228	0.37	14027	22.70	**495**	337	0.55	28430	46.01	**542**	345	0.56	45744	74.04
449	245	0.40	14272	23.10	**496**	381	0.62	28811	46.63	**543**	350	0.57	46094	74.60
450	248	0.40	14520	23.50	**497**	348	0.56	29159	47.19	**544**	356	0.58	46450	75.18
451	253	0.41	14773	23.91	**498**	325	0.53	29484	47.72	**545**	290	0.47	46740	75.65
452	246	0.40	15019	24.31	**499**	376	0.61	29860	48.33	**546**	320	0.52	47060	76.17
453	234	0.38	15253	24.69	**500**	364	0.59	30224	48.92	**547**	353	0.57	47413	76.74
454	243	0.39	15496	25.08	**501**	363	0.59	30587	49.50	**548**	337	0.55	47750	77.28
455	238	0.39	15734	25.47	**502**	391	0.63	30978	50.14	**549**	309	0.50	48059	77.78
456	263	0.43	15997	25.89	**503**	372	0.60	31350	50.74	**550**	311	0.50	48370	78.29
457	261	0.42	16258	26.31	**504**	392	0.63	31742	51.37	**551**	341	0.55	48711	78.84
458	281	0.45	16539	26.77	**505**	353	0.57	32095	51.95	**552**	342	0.55	49053	79.39
459	273	0.44	16812	27.21	**506**	367	0.59	32462	52.54	**553**	343	0.56	49396	79.95
460	259	0.42	17071	27.63	**507**	385	0.62	32847	53.16	**554**	283	0.46	49679	80.40
461	291	0.47	17362	28.10	**508**	372	0.60	33219	53.76	**555**	282	0.46	49961	80.86
462	293	0.47	17655	28.57	**509**	389	0.63	33608	54.39	**556**	299	0.48	50260	81.35
463	301	0.49	17956	29.06	**510**	390	0.63	33998	55.03	**557**	293	0.47	50553	81.82
464	307	0.50	18263	29.56	**511**	412	0.67	34410	55.69	**558**	290	0.47	50843	82.29
465	328	0.53	18591	30.09	**512**	354	0.57	34764	56.27	**559**	312	0.50	51155	82.79
466	329	0.53	18920	30.62	**513**	355	0.57	35119	56.84	**560**	279	0.45	51434	83.25
467	291	0.47	19211	31.09	**514**	343	0.56	35462	57.39	**561**	307	0.50	51741	83.74
468	298	0.48	19509	31.58	**515**	391	0.63	35853	58.03	**562**	272	0.44	52013	84.18
469	313	0.51	19822	32.08	**516**	391	0.63	36244	58.66	**563**	278	0.45	52291	84.63
470	304	0.49	20126	32.57	**517**	366	0.59	36610	59.25	**564**	223	0.36	52514	84.99
471	289	0.47	20415	33.04	**518**	365	0.59	36975	59.84	**565**	283	0.46	52797	85.45
472	337	0.55	20752	33.59	**519**	415	0.67	37390	60.52	**566**	279	0.45	53076	85.90
473	325	0.53	21077	34.11	**520**	382	0.62	37772	61.13	**567**	238	0.39	53314	86.29
474	308	0.50	21385	34.61	**521**	419	0.68	38191	61.81	**568**	261	0.42	53575	86.71
475	319	0.52	21704	35.13	**522**	354	0.57	38545	62.38	**569**	249	0.40	53824	87.11
476	356	0.58	22060	35.70	**523**	394	0.64	38939	63.02	**570**	253	0.41	54077	87.52
477	335	0.54	22395	36.25	**524**	345	0.56	39284	63.58	**571**	242	0.39	54319	87.91
478	317	0.51	22712	36.76	**525**	332	0.54	39616	64.12	**572**	228	0.37	54547	88.28
479	309	0.50	23021	37.26	**526**	338	0.55	39954	64.67	**573**	240	0.39	54787	88.67
480	321	0.52	23342	37.78	**527**	372	0.60	40326	65.27	**574**	233	0.38	55020	89.05
481	319	0.52	23661	38.30	**528**	408	0.66	40734	65.93	**575**	200	0.32	55220	89.37
482	339	0.55	24000	38.84	**529**	370	0.60	41104	66.53	**576**	204	0.33	55424	89.70
483	348	0.56	24348	39.41	**530**	343	0.56	41447	67.08	**577**	205	0.33	55629	90.03
484	328	0.53	24676	39.94	**531**	407	0.66	41854	67.74	**578**	215	0.35	55844	90.38
485	349	0.56	25025	40.50	**532**	364	0.59	42218	68.33	**579**	180	0.29	56024	90.67
486	325	0.53	25350	41.03	**533**	357	0.58	42575	68.91	**580**	204	0.33	56228	91.00
487	336	0.54	25686	41.57	**534**	337	0.55	42912	69.45	**581**	177	0.29	56405	91.29

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Table 172. Scale Score Distribution, Science Grade 5 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
582	206	0.33	56611	91.62	**629**	24	0.04	61196	99.05	**681**	1	0.00	61761	99.96
583	198	0.32	56809	91.94	**630**	38	0.06	61234	99.11	**682**	2	0.00	61763	99.96
584	166	0.27	56975	92.21	**631**	37	0.06	61271	99.17	**685**	1	0.00	61764	99.96
585	181	0.29	57156	92.51	**632**	35	0.06	61306	99.22	**686**	4	0.01	61768	99.97
586	156	0.25	57312	92.76	**633**	22	0.04	61328	99.26	**687**	3	0.00	61771	99.98
587	195	0.32	57507	93.07	**634**	27	0.04	61355	99.30	**688**	1	0.00	61772	99.98
588	156	0.25	57663	93.33	**635**	21	0.03	61376	99.34	**690**	2	0.00	61774	99.98
589	164	0.27	57827	93.59	**636**	28	0.05	61404	99.38	**691**	1	0.00	61775	99.98
590	165	0.27	57992	93.86	**637**	21	0.03	61425	99.42	**695**	1	0.00	61776	99.98
591	135	0.22	58127	94.08	**638**	17	0.03	61442	99.44	**697**	2	0.00	61778	99.99
592	142	0.23	58269	94.31	**639**	21	0.03	61463	99.48	**698**	1	0.00	61779	99.99
593	133	0.22	58402	94.52	**640**	13	0.02	61476	99.50	**701**	1	0.00	61780	99.99
594	127	0.21	58529	94.73	**641**	14	0.02	61490	99.52	**707**	1	0.00	61781	99.99
595	141	0.23	58670	94.96	**642**	13	0.02	61503	99.54	**712**	1	0.00	61782	99.99
596	137	0.22	58807	95.18	**643**	13	0.02	61516	99.56	**713**	1	0.00	61783	100.00
597	127	0.21	58934	95.38	**644**	13	0.02	61529	99.58	**717**	1	0.00	61784	100.00
598	112	0.18	59046	95.57	**645**	15	0.02	61544	99.61	**719**	1	0.00	61785	100.00
599	105	0.17	59151	95.74	**646**	20	0.03	61564	99.64	**753**	1	0.00	61786	100.00
600	133	0.22	59284	95.95	**647**	11	0.02	61575	99.66					
601	102	0.17	59386	96.12	**648**	6	0.01	61581	99.67					
602	110	0.18	59496	96.29	**649**	14	0.02	61595	99.69					
603	94	0.15	59590	96.45	**650**	14	0.02	61609	99.71					
604	106	0.17	59696	96.62	**651**	11	0.02	61620	99.73					
605	88	0.14	59784	96.76	**652**	10	0.02	61630	99.75					
606	117	0.19	59901	96.95	**653**	7	0.01	61637	99.76					
607	84	0.14	59985	97.09	**654**	14	0.02	61651	99.78					
608	90	0.15	60075	97.23	**655**	10	0.02	61661	99.80					
609	88	0.14	60163	97.37	**656**	8	0.01	61669	99.81					
610	61	0.10	60224	97.47	**657**	11	0.02	61680	99.83					
611	66	0.11	60290	97.58	**658**	7	0.01	61687	99.84					
612	82	0.13	60372	97.71	**660**	6	0.01	61693	99.85					
613	70	0.11	60442	97.82	**661**	6	0.01	61699	99.86					
614	73	0.12	60515	97.94	**662**	11	0.02	61710	99.88					
615	64	0.10	60579	98.05	**663**	5	0.01	61715	99.89					
616	62	0.10	60641	98.15	**664**	2	0.00	61717	99.89					
617	54	0.09	60695	98.23	**665**	7	0.01	61724	99.90					
618	61	0.10	60756	98.33	**666**	8	0.01	61732	99.91					
619	50	0.08	60806	98.41	**667**	4	0.01	61736	99.92					
620	60	0.10	60866	98.51	**668**	5	0.01	61741	99.93					
621	50	0.08	60916	98.59	**669**	1	0.00	61742	99.93					
622	38	0.06	60954	98.65	**670**	5	0.01	61747	99.94					
623	48	0.08	61002	98.73	**671**	3	0.00	61750	99.94					
624	29	0.05	61031	98.78	**673**	2	0.00	61752	99.94					
625	37	0.06	61068	98.84	**674**	3	0.00	61755	99.95					
626	43	0.07	61111	98.91	**675**	1	0.00	61756	99.95					
627	42	0.07	61153	98.98	**678**	1	0.00	61757	99.95					
628	19	0.03	61172	99.01	**679**	3	0.00	61760	99.96					

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Table 173. Scale Score Distribution, Reading Grade 6

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
260	240	0.40	240	0.40	**377**	3	0.00	307	0.51	**427**	8	0.01	484	0.80
261	1	0.00	241	0.40	**378**	5	0.01	312	0.52	**428**	9	0.01	493	0.82
269	1	0.00	242	0.40	**379**	1	0.00	313	0.52	**429**	9	0.01	502	0.83
274	1	0.00	243	0.40	**380**	3	0.00	316	0.52	**430**	9	0.01	511	0.85
277	1	0.00	244	0.40	**381**	3	0.00	319	0.53	**431**	7	0.01	518	0.86
279	1	0.00	245	0.41	**382**	1	0.00	320	0.53	**432**	5	0.01	523	0.87
281	1	0.00	246	0.41	**384**	1	0.00	321	0.53	**433**	13	0.02	536	0.89
282	1	0.00	247	0.41	**385**	1	0.00	322	0.53	**434**	6	0.01	542	0.90
288	1	0.00	248	0.41	**386**	1	0.00	323	0.54	**435**	5	0.01	547	0.91
289	1	0.00	249	0.41	**387**	3	0.00	326	0.54	**436**	9	0.01	556	0.92
293	1	0.00	250	0.41	**388**	3	0.00	329	0.55	**437**	17	0.03	573	0.95
307	1	0.00	251	0.42	**389**	3	0.00	332	0.55	**438**	5	0.01	578	0.96
309	1	0.00	252	0.42	**390**	1	0.00	333	0.55	**439**	6	0.01	584	0.97
312	1	0.00	253	0.42	**391**	2	0.00	335	0.56	**440**	12	0.02	596	0.99
313	1	0.00	254	0.42	**392**	4	0.01	339	0.56	**441**	9	0.01	605	1.00
317	1	0.00	255	0.42	**393**	2	0.00	341	0.56	**442**	11	0.02	616	1.02
321	1	0.00	256	0.42	**394**	2	0.00	343	0.57	**443**	14	0.02	630	1.04
322	1	0.00	257	0.43	**396**	3	0.00	346	0.57	**444**	14	0.02	644	1.07
324	1	0.00	258	0.43	**397**	3	0.00	349	0.58	**445**	18	0.03	662	1.10
327	1	0.00	259	0.43	**398**	5	0.01	354	0.59	**446**	16	0.03	678	1.12
332	1	0.00	260	0.43	**399**	1	0.00	355	0.59	**447**	20	0.03	698	1.16
338	1	0.00	261	0.43	**400**	4	0.01	359	0.59	**448**	15	0.02	713	1.18
339	2	0.00	263	0.44	**401**	1	0.00	360	0.60	**449**	9	0.01	722	1.20
341	2	0.00	265	0.44	**402**	3	0.00	363	0.60	**450**	15	0.02	737	1.22
342	2	0.00	267	0.44	**403**	2	0.00	365	0.60	**451**	18	0.03	755	1.25
343	2	0.00	269	0.45	**404**	5	0.01	370	0.61	**452**	15	0.02	770	1.28
346	1	0.00	270	0.45	**405**	3	0.00	373	0.62	**453**	12	0.02	782	1.30
347	1	0.00	271	0.45	**407**	1	0.00	374	0.62	**454**	17	0.03	799	1.32
348	1	0.00	272	0.45	**408**	7	0.01	381	0.63	**455**	21	0.03	820	1.36
351	1	0.00	273	0.45	**409**	2	0.00	383	0.63	**456**	19	0.03	839	1.39
353	1	0.00	274	0.45	**410**	6	0.01	389	0.64	**457**	16	0.03	855	1.42
354	1	0.00	275	0.46	**411**	2	0.00	391	0.65	**458**	24	0.04	879	1.46
358	2	0.00	277	0.46	**412**	3	0.00	394	0.65	**459**	21	0.03	900	1.49
360	2	0.00	279	0.46	**413**	5	0.01	399	0.66	**460**	20	0.03	920	1.52
361	2	0.00	281	0.47	**414**	4	0.01	403	0.67	**461**	26	0.04	946	1.57
362	1	0.00	282	0.47	**415**	8	0.01	411	0.68	**462**	18	0.03	964	1.60
363	2	0.00	284	0.47	**416**	7	0.01	418	0.69	**463**	19	0.03	983	1.63
365	1	0.00	285	0.47	**417**	7	0.01	425	0.70	**464**	26	0.04	1009	1.67
366	2	0.00	287	0.48	**418**	4	0.01	429	0.71	**465**	28	0.05	1037	1.72
367	3	0.00	290	0.48	**419**	4	0.01	433	0.72	**466**	24	0.04	1061	1.76
368	1	0.00	291	0.48	**420**	4	0.01	437	0.72	**467**	27	0.04	1088	1.80
369	1	0.00	292	0.48	**421**	5	0.01	442	0.73	**468**	19	0.03	1107	1.83
370	3	0.00	295	0.49	**422**	5	0.01	447	0.74	**469**	18	0.03	1125	1.86
371	2	0.00	297	0.49	**423**	3	0.00	450	0.75	**470**	26	0.04	1151	1.91
372	2	0.00	299	0.50	**424**	7	0.01	457	0.76	**471**	28	0.05	1179	1.95
374	1	0.00	300	0.50	**425**	11	0.02	468	0.78	**472**	20	0.03	1199	1.99
376	4	0.01	304	0.50	**426**	8	0.01	476	0.79	**473**	23	0.04	1222	2.02

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Table 173. Scale Score Distribution, Reading Grade 6 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
474	28	0.05	1250	2.07	**521**	83	0.14	3626	6.01	**568**	204	0.34	9682	16.04
475	28	0.05	1278	2.12	**522**	75	0.12	3701	6.13	**569**	198	0.33	9880	16.37
476	33	0.05	1311	2.17	**523**	84	0.14	3785	6.27	**570**	184	0.30	10064	16.67
477	42	0.07	1353	2.24	**524**	88	0.15	3873	6.42	**571**	194	0.32	10258	16.99
478	22	0.04	1375	2.28	**525**	79	0.13	3952	6.55	**572**	210	0.35	10468	17.34
479	25	0.04	1400	2.32	**526**	117	0.19	4069	6.74	**573**	180	0.30	10648	17.64
480	26	0.04	1426	2.36	**527**	94	0.16	4163	6.90	**574**	238	0.39	10886	18.04
481	43	0.07	1469	2.43	**528**	91	0.15	4254	7.05	**575**	223	0.37	11109	18.40
482	28	0.05	1497	2.48	**529**	79	0.13	4333	7.18	**576**	209	0.35	11318	18.75
483	42	0.07	1539	2.55	**530**	89	0.15	4422	7.33	**577**	207	0.34	11525	19.09
484	33	0.05	1572	2.60	**531**	88	0.15	4510	7.47	**578**	237	0.39	11762	19.49
485	29	0.05	1601	2.65	**532**	85	0.14	4595	7.61	**579**	233	0.39	11995	19.87
486	31	0.05	1632	2.70	**533**	98	0.16	4693	7.78	**580**	216	0.36	12211	20.23
487	41	0.07	1673	2.77	**534**	110	0.18	4803	7.96	**581**	233	0.39	12444	20.62
488	36	0.06	1709	2.83	**535**	100	0.17	4903	8.12	**582**	268	0.44	12712	21.06
489	41	0.07	1750	2.90	**536**	96	0.16	4999	8.28	**583**	232	0.38	12944	21.45
490	43	0.07	1793	2.97	**537**	110	0.18	5109	8.46	**584**	251	0.42	13195	21.86
491	44	0.07	1837	3.04	**538**	87	0.14	5196	8.61	**585**	235	0.39	13430	22.25
492	44	0.07	1881	3.12	**539**	106	0.18	5302	8.78	**586**	249	0.41	13679	22.66
493	33	0.05	1914	3.17	**540**	120	0.20	5422	8.98	**587**	261	0.43	13940	23.10
494	56	0.09	1970	3.26	**541**	132	0.22	5554	9.20	**588**	272	0.45	14212	23.55
495	46	0.08	2016	3.34	**542**	123	0.20	5677	9.41	**589**	252	0.42	14464	23.96
496	51	0.08	2067	3.42	**543**	129	0.21	5806	9.62	**590**	266	0.44	14730	24.40
497	48	0.08	2115	3.50	**544**	107	0.18	5913	9.80	**591**	287	0.48	15017	24.88
498	46	0.08	2161	3.58	**545**	115	0.19	6028	9.99	**592**	274	0.45	15291	25.33
499	56	0.09	2217	3.67	**546**	118	0.20	6146	10.18	**593**	292	0.48	15583	25.82
500	53	0.09	2270	3.76	**547**	125	0.21	6271	10.39	**594**	280	0.46	15863	26.28
501	54	0.09	2324	3.85	**548**	120	0.20	6391	10.59	**595**	304	0.50	16167	26.78
502	62	0.10	2386	3.95	**549**	137	0.23	6528	10.82	**596**	275	0.46	16442	27.24
503	61	0.10	2447	4.05	**550**	163	0.27	6691	11.09	**597**	288	0.48	16730	27.72
504	67	0.11	2514	4.17	**551**	141	0.23	6832	11.32	**598**	320	0.53	17050	28.25
505	44	0.07	2558	4.24	**552**	130	0.22	6962	11.53	**599**	273	0.45	17323	28.70
506	61	0.10	2619	4.34	**553**	157	0.26	7119	11.79	**600**	333	0.55	17656	29.25
507	57	0.09	2676	4.43	**554**	142	0.24	7261	12.03	**601**	321	0.53	17977	29.78
508	51	0.08	2727	4.52	**555**	141	0.23	7402	12.26	**602**	308	0.51	18285	30.29
509	62	0.10	2789	4.62	**556**	171	0.28	7573	12.55	**603**	319	0.53	18604	30.82
510	61	0.10	2850	4.72	**557**	135	0.22	7708	12.77	**604**	341	0.56	18945	31.39
511	67	0.11	2917	4.83	**558**	185	0.31	7893	13.08	**605**	322	0.53	19267	31.92
512	56	0.09	2973	4.93	**559**	174	0.29	8067	13.37	**606**	344	0.57	19611	32.49
513	68	0.11	3041	5.04	**560**	162	0.27	8229	13.63	**607**	327	0.54	19938	33.03
514	67	0.11	3108	5.15	**561**	187	0.31	8416	13.94	**608**	369	0.61	20307	33.64
515	66	0.11	3174	5.26	**562**	176	0.29	8592	14.23	**609**	345	0.57	20652	34.22
516	59	0.10	3233	5.36	**563**	165	0.27	8757	14.51	**610**	361	0.60	21013	34.81
517	69	0.11	3302	5.47	**564**	165	0.27	8922	14.78	**611**	382	0.63	21395	35.45
518	82	0.14	3384	5.61	**565**	183	0.30	9105	15.08	**612**	358	0.59	21753	36.04
519	73	0.12	3457	5.73	**566**	183	0.30	9288	15.39	**613**	372	0.62	22125	36.66
520	86	0.14	3543	5.87	**567**	190	0.31	9478	15.70	**614**	397	0.66	22522	37.31

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Table 173. Scale Score Distribution, Reading Grade 6 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
615	380	0.63	22902	37.94	**662**	436	0.72	42348	70.16	**709**	166	0.28	56465	93.55
616	356	0.59	23258	38.53	**663**	404	0.67	42752	70.83	**710**	177	0.29	56642	93.84
617	347	0.57	23605	39.11	**664**	427	0.71	43179	71.54	**711**	161	0.27	56803	94.11
618	355	0.59	23960	39.70	**665**	393	0.65	43572	72.19	**712**	152	0.25	56955	94.36
619	363	0.60	24323	40.30	**666**	425	0.70	43997	72.89	**713**	142	0.24	57097	94.60
620	403	0.67	24726	40.96	**667**	384	0.64	44381	73.53	**714**	133	0.22	57230	94.82
621	371	0.61	25097	41.58	**668**	363	0.60	44744	74.13	**715**	143	0.24	57373	95.05
622	423	0.70	25520	42.28	**669**	426	0.71	45170	74.84	**716**	133	0.22	57506	95.27
623	448	0.74	25968	43.02	**670**	373	0.62	45543	75.45	**717**	118	0.20	57624	95.47
624	401	0.66	26369	43.69	**671**	382	0.63	45925	76.09	**718**	125	0.21	57749	95.68
625	394	0.65	26763	44.34	**672**	391	0.65	46316	76.73	**719**	134	0.22	57883	95.90
626	441	0.73	27204	45.07	**673**	378	0.63	46694	77.36	**720**	97	0.16	57980	96.06
627	380	0.63	27584	45.70	**674**	373	0.62	47067	77.98	**721**	103	0.17	58083	96.23
628	413	0.68	27997	46.38	**675**	359	0.59	47426	78.57	**722**	102	0.17	58185	96.40
629	446	0.74	28443	47.12	**676**	395	0.65	47821	79.23	**723**	112	0.19	58297	96.58
630	363	0.60	28806	47.72	**677**	365	0.60	48186	79.83	**724**	102	0.17	58399	96.75
631	425	0.70	29231	48.43	**678**	323	0.54	48509	80.37	**725**	80	0.13	58479	96.89
632	384	0.64	29615	49.06	**679**	364	0.60	48873	80.97	**726**	107	0.18	58586	97.06
633	410	0.68	30025	49.74	**680**	343	0.57	49216	81.54	**727**	81	0.13	58667	97.20
634	428	0.71	30453	50.45	**681**	323	0.54	49539	82.07	**728**	77	0.13	58744	97.32
635	412	0.68	30865	51.14	**682**	327	0.54	49866	82.62	**729**	78	0.13	58822	97.45
636	381	0.63	31246	51.77	**683**	338	0.56	50204	83.18	**730**	69	0.11	58891	97.57
637	399	0.66	31645	52.43	**684**	332	0.55	50536	83.73	**731**	71	0.12	58962	97.69
638	442	0.73	32087	53.16	**685**	324	0.54	50860	84.26	**732**	58	0.10	59020	97.78
639	446	0.74	32533	53.90	**686**	313	0.52	51173	84.78	**733**	69	0.11	59089	97.90
640	421	0.70	32954	54.60	**687**	298	0.49	51471	85.27	**734**	69	0.11	59158	98.01
641	441	0.73	33395	55.33	**688**	300	0.50	51771	85.77	**735**	63	0.10	59221	98.11
642	428	0.71	33823	56.04	**689**	301	0.50	52072	86.27	**736**	46	0.08	59267	98.19
643	417	0.69	34240	56.73	**690**	271	0.45	52343	86.72	**737**	55	0.09	59322	98.28
644	444	0.74	34684	57.46	**691**	271	0.45	52614	87.17	**738**	49	0.08	59371	98.36
645	439	0.73	35123	58.19	**692**	290	0.48	52904	87.65	**739**	61	0.10	59432	98.46
646	434	0.72	35557	58.91	**693**	251	0.42	53155	88.06	**740**	47	0.08	59479	98.54
647	433	0.72	35990	59.63	**694**	238	0.39	53393	88.46	**741**	44	0.07	59523	98.61
648	437	0.72	36427	60.35	**695**	243	0.40	53636	88.86	**742**	44	0.07	59567	98.69
649	455	0.75	36882	61.10	**696**	227	0.38	53863	89.24	**743**	37	0.06	59604	98.75
650	434	0.72	37316	61.82	**697**	237	0.39	54100	89.63	**744**	31	0.05	59635	98.80
651	386	0.64	37702	62.46	**698**	237	0.39	54337	90.02	**745**	46	0.08	59681	98.88
652	395	0.65	38097	63.12	**699**	231	0.38	54568	90.41	**746**	41	0.07	59722	98.94
653	424	0.70	38521	63.82	**700**	212	0.35	54780	90.76	**747**	28	0.05	59750	98.99
654	426	0.71	38947	64.53	**701**	238	0.39	55018	91.15	**748**	41	0.07	59791	99.06
655	444	0.74	39391	65.26	**702**	206	0.34	55224	91.49	**749**	22	0.04	59813	99.10
656	434	0.72	39825	65.98	**703**	193	0.32	55417	91.81	**750**	35	0.06	59848	99.15
657	429	0.71	40254	66.69	**704**	181	0.30	55598	92.11	**751**	26	0.04	59874	99.20
658	407	0.67	40661	67.37	**705**	192	0.32	55790	92.43	**752**	25	0.04	59899	99.24
659	385	0.64	41046	68.00	**706**	183	0.30	55973	92.73	**753**	21	0.03	59920	99.27
660	437	0.72	41483	68.73	**707**	159	0.26	56132	93.00	**754**	17	0.03	59937	99.30
661	429	0.71	41912	69.44	**708**	167	0.28	56299	93.27	**755**	30	0.05	59967	99.35

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Table 173. Scale Score Distribution, Reading Grade 6 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
756	27	0.04	59994	99.40	**806**	1	0.00	60332	99.96
757	19	0.03	60013	99.43	**808**	2	0.00	60334	99.96
758	23	0.04	60036	99.46	**809**	2	0.00	60336	99.96
759	12	0.02	60048	99.48	**810**	2	0.00	60338	99.97
760	20	0.03	60068	99.52	**812**	2	0.00	60340	99.97
761	11	0.02	60079	99.54	**815**	1	0.00	60341	99.97
762	13	0.02	60092	99.56	**816**	1	0.00	60342	99.97
763	23	0.04	60115	99.60	**821**	1	0.00	60343	99.97
764	14	0.02	60129	99.62	**822**	1	0.00	60344	99.98
765	6	0.01	60135	99.63	**825**	1	0.00	60345	99.98
766	12	0.02	60147	99.65	**826**	1	0.00	60346	99.98
767	3	0.00	60150	99.65	**827**	3	0.00	60349	99.98
768	4	0.01	60154	99.66	**831**	3	0.00	60352	99.99
769	9	0.01	60163	99.68	**833**	1	0.00	60353	99.99
770	14	0.02	60177	99.70	**836**	2	0.00	60355	99.99
771	8	0.01	60185	99.71	**842**	1	0.00	60356	100.00
772	8	0.01	60193	99.72	**850**	1	0.00	60357	100.00
773	5	0.01	60198	99.73	**852**	1	0.00	60358	100.00
774	4	0.01	60202	99.74	**857**	1	0.00	60359	100.00
775	10	0.02	60212	99.76					
776	8	0.01	60220	99.77					
777	12	0.02	60232	99.79					
778	6	0.01	60238	99.80					
779	11	0.02	60249	99.82					
780	3	0.00	60252	99.82					
781	2	0.00	60254	99.83					
782	4	0.01	60258	99.83					
783	3	0.00	60261	99.84					
784	3	0.00	60264	99.84					
785	5	0.01	60269	99.85					
786	7	0.01	60276	99.86					
787	2	0.00	60278	99.87					
788	5	0.01	60283	99.87					
789	6	0.01	60289	99.88					
790	6	0.01	60295	99.89					
791	3	0.00	60298	99.90					
792	2	0.00	60300	99.90					
793	6	0.01	60306	99.91					
795	3	0.00	60309	99.92					
796	1	0.00	60310	99.92					
798	4	0.01	60314	99.93					
799	3	0.00	60317	99.93					
800	2	0.00	60319	99.93					
801	4	0.01	60323	99.94					
802	1	0.00	60324	99.94					
803	5	0.01	60329	99.95					
805	2	0.00	60331	99.95					

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Table 174. Scale Score Distribution, Writing Grade 6

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
230	9	0.01	9	0.01	**317**	2	0.00	89	0.15	**364**	7	0.01	375	0.62
233	1	0.00	10	0.02	**318**	3	0.00	92	0.15	**365**	11	0.02	386	0.64
236	1	0.00	11	0.02	**319**	3	0.00	95	0.16	**366**	13	0.02	399	0.66
240	1	0.00	12	0.02	**320**	2	0.00	97	0.16	**367**	14	0.02	413	0.68
243	1	0.00	13	0.02	**321**	3	0.00	100	0.17	**368**	8	0.01	421	0.70
244	1	0.00	14	0.02	**322**	2	0.00	102	0.17	**369**	8	0.01	429	0.71
247	1	0.00	15	0.02	**323**	3	0.00	105	0.17	**370**	15	0.02	444	0.74
249	1	0.00	16	0.03	**324**	1	0.00	106	0.18	**371**	20	0.03	464	0.77
253	1	0.00	17	0.03	**325**	2	0.00	108	0.18	**372**	9	0.01	473	0.78
254	2	0.00	19	0.03	**326**	4	0.01	112	0.19	**373**	17	0.03	490	0.81
256	1	0.00	20	0.03	**327**	3	0.00	115	0.19	**374**	17	0.03	507	0.84
258	1	0.00	21	0.03	**328**	7	0.01	122	0.20	**375**	15	0.02	522	0.86
259	1	0.00	22	0.04	**329**	5	0.01	127	0.21	**376**	20	0.03	542	0.90
266	1	0.00	23	0.04	**330**	3	0.00	130	0.22	**377**	23	0.04	565	0.94
268	1	0.00	24	0.04	**331**	4	0.01	134	0.22	**378**	17	0.03	582	0.96
273	2	0.00	26	0.04	**332**	5	0.01	139	0.23	**379**	14	0.02	596	0.99
275	2	0.00	28	0.05	**333**	1	0.00	140	0.23	**380**	15	0.02	611	1.01
277	1	0.00	29	0.05	**334**	5	0.01	145	0.24	**381**	24	0.04	635	1.05
282	1	0.00	30	0.05	**335**	7	0.01	152	0.25	**382**	21	0.03	656	1.09
283	1	0.00	31	0.05	**336**	7	0.01	159	0.26	**383**	22	0.04	678	1.12
284	2	0.00	33	0.05	**337**	2	0.00	161	0.27	**384**	32	0.05	710	1.18
285	1	0.00	34	0.06	**338**	9	0.01	170	0.28	**385**	25	0.04	735	1.22
286	2	0.00	36	0.06	**339**	4	0.01	174	0.29	**386**	28	0.05	763	1.26
287	2	0.00	38	0.06	**340**	3	0.00	177	0.29	**387**	37	0.06	800	1.33
288	2	0.00	40	0.07	**341**	6	0.01	183	0.30	**388**	32	0.05	832	1.38
289	1	0.00	41	0.07	**342**	4	0.01	187	0.31	**389**	24	0.04	856	1.42
290	2	0.00	43	0.07	**343**	12	0.02	199	0.33	**390**	28	0.05	884	1.46
291	1	0.00	44	0.07	**344**	5	0.01	204	0.34	**391**	31	0.05	915	1.52
292	1	0.00	45	0.07	**345**	8	0.01	212	0.35	**392**	23	0.04	938	1.55
295	2	0.00	47	0.08	**346**	8	0.01	220	0.36	**393**	37	0.06	975	1.62
296	1	0.00	48	0.08	**347**	7	0.01	227	0.38	**394**	32	0.05	1007	1.67
297	1	0.00	49	0.08	**348**	9	0.01	236	0.39	**395**	32	0.05	1039	1.72
298	1	0.00	50	0.08	**349**	6	0.01	242	0.40	**396**	36	0.06	1075	1.78
299	2	0.00	52	0.09	**350**	3	0.00	245	0.41	**397**	30	0.05	1105	1.83
300	3	0.00	55	0.09	**351**	4	0.01	249	0.41	**398**	35	0.06	1140	1.89
301	2	0.00	57	0.09	**352**	9	0.01	258	0.43	**399**	34	0.06	1174	1.95
302	2	0.00	59	0.10	**353**	3	0.00	261	0.43	**400**	36	0.06	1210	2.00
303	2	0.00	61	0.10	**354**	6	0.01	267	0.44	**401**	30	0.05	1240	2.05
304	1	0.00	62	0.10	**355**	12	0.02	279	0.46	**402**	53	0.09	1293	2.14
305	2	0.00	64	0.11	**356**	9	0.01	288	0.48	**403**	40	0.07	1333	2.21
307	4	0.01	68	0.11	**357**	18	0.03	306	0.51	**404**	40	0.07	1373	2.27
309	6	0.01	74	0.12	**358**	12	0.02	318	0.53	**405**	55	0.09	1428	2.37
311	3	0.00	77	0.13	**359**	7	0.01	325	0.54	**406**	44	0.07	1472	2.44
313	2	0.00	79	0.13	**360**	17	0.03	342	0.57	**407**	48	0.08	1520	2.52
314	1	0.00	80	0.13	**361**	9	0.01	351	0.58	**408**	51	0.08	1571	2.60
315	3	0.00	83	0.14	**362**	9	0.01	360	0.60	**409**	42	0.07	1613	2.67
316	4	0.01	87	0.14	**363**	8	0.01	368	0.61	**410**	67	0.11	1680	2.78

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Table 174. Scale Score Distribution, Writing Grade 6 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
411	40	0.07	1720	2.85	**458**	176	0.29	7050	11.68	**505**	334	0.55	20058	33.23
412	71	0.12	1791	2.97	**459**	189	0.31	7239	11.99	**506**	382	0.63	20440	33.86
413	58	0.10	1849	3.06	**460**	186	0.31	7425	12.30	**507**	385	0.64	20825	34.50
414	63	0.10	1912	3.17	**461**	176	0.29	7601	12.59	**508**	420	0.70	21245	35.20
415	56	0.09	1968	3.26	**462**	178	0.29	7779	12.89	**509**	383	0.63	21628	35.83
416	69	0.11	2037	3.37	**463**	219	0.36	7998	13.25	**510**	403	0.67	22031	36.50
417	49	0.08	2086	3.46	**464**	204	0.34	8202	13.59	**511**	414	0.69	22445	37.19
418	61	0.10	2147	3.56	**465**	230	0.38	8432	13.97	**512**	396	0.66	22841	37.84
419	68	0.11	2215	3.67	**466**	228	0.38	8660	14.35	**513**	404	0.67	23245	38.51
420	78	0.13	2293	3.80	**467**	226	0.37	8886	14.72	**514**	398	0.66	23643	39.17
421	82	0.14	2375	3.93	**468**	208	0.34	9094	15.07	**515**	414	0.69	24057	39.86
422	105	0.17	2480	4.11	**469**	227	0.38	9321	15.44	**516**	397	0.66	24454	40.51
423	90	0.15	2570	4.26	**470**	232	0.38	9553	15.83	**517**	427	0.71	24881	41.22
424	82	0.14	2652	4.39	**471**	248	0.41	9801	16.24	**518**	458	0.76	25339	41.98
425	86	0.14	2738	4.54	**472**	197	0.33	9998	16.56	**519**	393	0.65	25732	42.63
426	92	0.15	2830	4.69	**473**	226	0.37	10224	16.94	**520**	456	0.76	26188	43.39
427	82	0.14	2912	4.82	**474**	272	0.45	10496	17.39	**521**	405	0.67	26593	44.06
428	98	0.16	3010	4.99	**475**	225	0.37	10721	17.76	**522**	422	0.70	27015	44.76
429	71	0.12	3081	5.10	**476**	238	0.39	10959	18.16	**523**	441	0.73	27456	45.49
430	93	0.15	3174	5.26	**477**	211	0.35	11170	18.51	**524**	446	0.74	27902	46.23
431	114	0.19	3288	5.45	**478**	285	0.47	11455	18.98	**525**	419	0.69	28321	46.92
432	111	0.18	3399	5.63	**479**	270	0.45	11725	19.43	**526**	442	0.73	28763	47.65
433	113	0.19	3512	5.82	**480**	274	0.45	11999	19.88	**527**	424	0.70	29187	48.36
434	82	0.14	3594	5.95	**481**	282	0.47	12281	20.35	**528**	419	0.69	29606	49.05
435	90	0.15	3684	6.10	**482**	255	0.42	12536	20.77	**529**	448	0.74	30054	49.79
436	120	0.20	3804	6.30	**483**	256	0.42	12792	21.19	**530**	433	0.72	30487	50.51
437	127	0.21	3931	6.51	**484**	267	0.44	13059	21.64	**531**	422	0.70	30909	51.21
438	132	0.22	4063	6.73	**485**	296	0.49	13355	22.13	**532**	396	0.66	31305	51.87
439	130	0.22	4193	6.95	**486**	272	0.45	13627	22.58	**533**	439	0.73	31744	52.59
440	116	0.19	4309	7.14	**487**	303	0.50	13930	23.08	**534**	459	0.76	32203	53.35
441	126	0.21	4435	7.35	**488**	311	0.52	14241	23.59	**535**	429	0.71	32632	54.06
442	162	0.27	4597	7.62	**489**	341	0.56	14582	24.16	**536**	436	0.72	33068	54.79
443	129	0.21	4726	7.83	**490**	315	0.52	14897	24.68	**537**	415	0.69	33483	55.47
444	149	0.25	4875	8.08	**491**	298	0.49	15195	25.17	**538**	418	0.69	33901	56.17
445	123	0.20	4998	8.28	**492**	318	0.53	15513	25.70	**539**	424	0.70	34325	56.87
446	131	0.22	5129	8.50	**493**	347	0.57	15860	26.28	**540**	426	0.71	34751	57.57
447	129	0.21	5258	8.71	**494**	338	0.56	16198	26.84	**541**	451	0.75	35202	58.32
448	144	0.24	5402	8.95	**495**	344	0.57	16542	27.41	**542**	433	0.72	35635	59.04
449	161	0.27	5563	9.22	**496**	360	0.60	16902	28.00	**543**	413	0.68	36048	59.72
450	165	0.27	5728	9.49	**497**	332	0.55	17234	28.55	**544**	466	0.77	36514	60.50
451	180	0.30	5908	9.79	**498**	351	0.58	17585	29.13	**545**	410	0.68	36924	61.17
452	154	0.26	6062	10.04	**499**	347	0.57	17932	29.71	**546**	457	0.76	37381	61.93
453	152	0.25	6214	10.30	**500**	356	0.59	18288	30.30	**547**	356	0.59	37737	62.52
454	162	0.27	6376	10.56	**501**	333	0.55	18621	30.85	**548**	421	0.70	38158	63.22
455	160	0.27	6536	10.83	**502**	353	0.58	18974	31.44	**549**	416	0.69	38574	63.91
456	184	0.30	6720	11.13	**503**	378	0.63	19352	32.06	**550**	420	0.70	38994	64.60
457	154	0.26	6874	11.39	**504**	372	0.62	19724	32.68	**551**	432	0.72	39426	65.32

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Table 174. Scale Score Distribution, Writing Grade 6 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
552	394	0.65	39820	65.97	**599**	203	0.34	53704	88.98	**646**	39	0.06	58754	97.34
553	405	0.67	40225	66.64	**600**	205	0.34	53909	89.32	**647**	42	0.07	58796	97.41
554	396	0.66	40621	67.30	**601**	161	0.27	54070	89.58	**648**	38	0.06	58834	97.48
555	370	0.61	40991	67.91	**602**	181	0.30	54251	89.88	**649**	35	0.06	58869	97.53
556	338	0.56	41329	68.47	**603**	136	0.23	54387	90.11	**650**	42	0.07	58911	97.60
557	404	0.67	41733	69.14	**604**	177	0.29	54564	90.40	**651**	36	0.06	58947	97.66
558	388	0.64	42121	69.79	**605**	175	0.29	54739	90.69	**652**	44	0.07	58991	97.74
559	388	0.64	42509	70.43	**606**	132	0.22	54871	90.91	**653**	36	0.06	59027	97.79
560	376	0.62	42885	71.05	**607**	141	0.23	55012	91.14	**654**	39	0.06	59066	97.86
561	335	0.56	43220	71.61	**608**	203	0.34	55215	91.48	**655**	34	0.06	59100	97.92
562	350	0.58	43570	72.19	**609**	166	0.28	55381	91.75	**656**	52	0.09	59152	98.00
563	379	0.63	43949	72.81	**610**	155	0.26	55536	92.01	**657**	29	0.05	59181	98.05
564	380	0.63	44329	73.44	**611**	149	0.25	55685	92.26	**658**	45	0.07	59226	98.12
565	324	0.54	44653	73.98	**612**	151	0.25	55836	92.51	**659**	50	0.08	59276	98.21
566	299	0.50	44952	74.48	**613**	101	0.17	55937	92.68	**660**	36	0.06	59312	98.27
567	330	0.55	45282	75.02	**614**	111	0.18	56048	92.86	**661**	28	0.05	59340	98.31
568	319	0.53	45601	75.55	**615**	113	0.19	56161	93.05	**662**	37	0.06	59377	98.37
569	344	0.57	45945	76.12	**616**	98	0.16	56259	93.21	**663**	29	0.05	59406	98.42
570	366	0.61	46311	76.73	**617**	137	0.23	56396	93.44	**664**	15	0.02	59421	98.45
571	343	0.57	46654	77.30	**618**	107	0.18	56503	93.61	**665**	22	0.04	59443	98.48
572	310	0.51	46964	77.81	**619**	156	0.26	56659	93.87	**666**	23	0.04	59466	98.52
573	306	0.51	47270	78.32	**620**	100	0.17	56759	94.04	**667**	42	0.07	59508	98.59
574	312	0.52	47582	78.83	**621**	121	0.20	56880	94.24	**668**	22	0.04	59530	98.63
575	296	0.49	47878	79.32	**622**	86	0.14	56966	94.38	**669**	18	0.03	59548	98.66
576	322	0.53	48200	79.86	**623**	87	0.14	57053	94.52	**670**	20	0.03	59568	98.69
577	307	0.51	48507	80.37	**624**	104	0.17	57157	94.70	**671**	15	0.02	59583	98.72
578	284	0.47	48791	80.84	**625**	105	0.17	57262	94.87	**672**	19	0.03	59602	98.75
579	261	0.43	49052	81.27	**626**	75	0.12	57337	94.99	**673**	15	0.02	59617	98.77
580	272	0.45	49324	81.72	**627**	87	0.14	57424	95.14	**674**	25	0.04	59642	98.81
581	268	0.44	49592	82.16	**628**	96	0.16	57520	95.30	**675**	22	0.04	59664	98.85
582	267	0.44	49859	82.61	**629**	89	0.15	57609	95.45	**676**	13	0.02	59677	98.87
583	293	0.49	50152	83.09	**630**	144	0.24	57753	95.68	**677**	62	0.10	59739	98.97
584	254	0.42	50406	83.51	**631**	77	0.13	57830	95.81	**678**	25	0.04	59764	99.02
585	285	0.47	50691	83.98	**632**	78	0.13	57908	95.94	**679**	23	0.04	59787	99.05
586	259	0.43	50950	84.41	**633**	67	0.11	57975	96.05	**680**	17	0.03	59804	99.08
587	208	0.34	51158	84.76	**634**	56	0.09	58031	96.14	**681**	6	0.01	59810	99.09
588	246	0.41	51404	85.17	**635**	72	0.12	58103	96.26	**682**	12	0.02	59822	99.11
589	221	0.37	51625	85.53	**636**	40	0.07	58143	96.33	**683**	9	0.01	59831	99.13
590	239	0.40	51864	85.93	**637**	82	0.14	58225	96.47	**684**	10	0.02	59841	99.14
591	223	0.37	52087	86.30	**638**	64	0.11	58289	96.57	**685**	13	0.02	59854	99.16
592	237	0.39	52324	86.69	**639**	53	0.09	58342	96.66	**686**	10	0.02	59864	99.18
593	215	0.36	52539	87.05	**640**	67	0.11	58409	96.77	**687**	13	0.02	59877	99.20
594	204	0.34	52743	87.38	**641**	63	0.10	58472	96.88	**688**	7	0.01	59884	99.21
595	165	0.27	52908	87.66	**642**	81	0.13	58553	97.01	**689**	5	0.01	59889	99.22
596	188	0.31	53096	87.97	**643**	47	0.08	58600	97.09	**690**	20	0.03	59909	99.26
597	214	0.35	53310	88.32	**644**	51	0.08	58651	97.17	**691**	11	0.02	59920	99.27
598	191	0.32	53501	88.64	**645**	64	0.11	58715	97.28	**692**	8	0.01	59928	99.29

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Table 174. Scale Score Distribution, Writing Grade 6 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %
693	5	0.01	59933	99.30
694	8	0.01	59941	99.31
695	6	0.01	59947	99.32
696	5	0.01	59952	99.33
697	10	0.02	59962	99.34
698	7	0.01	59969	99.36
699	7	0.01	59976	99.37
700	25	0.04	60001	99.41
701	26	0.04	60027	99.45
702	3	0.00	60030	99.46
703	13	0.02	60043	99.48
704	12	0.02	60055	99.50
705	8	0.01	60063	99.51
706	2	0.00	60065	99.51
707	29	0.05	60094	99.56
708	10	0.02	60104	99.58
709	7	0.01	60111	99.59
710	3	0.00	60114	99.60
711	16	0.03	60130	99.62
712	1	0.00	60131	99.62
713	1	0.00	60132	99.63
714	6	0.01	60138	99.64
715	2	0.00	60140	99.64
716	3	0.00	60143	99.64
717	8	0.01	60151	99.66
718	1	0.00	60152	99.66
719	4	0.01	60156	99.67
720	6	0.01	60162	99.68
721	8	0.01	60170	99.69
722	4	0.01	60174	99.70
724	4	0.01	60178	99.70
725	5	0.01	60183	99.71
727	4	0.01	60187	99.72
731	2	0.00	60189	99.72
737	19	0.03	60208	99.75
738	8	0.01	60216	99.76
740	1	0.00	60217	99.77
741	11	0.02	60228	99.78
746	6	0.01	60234	99.79
747	3	0.00	60237	99.80
749	29	0.05	60266	99.85
750	11	0.02	60277	99.87
751	5	0.01	60282	99.87
755	5	0.01	60287	99.88
758	14	0.02	60301	99.91
782	12	0.02	60313	99.93
840	45	0.07	60358	100.00

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Table 175. Scale Score Distribution, Mathematics Grade 6

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
240	270	0.45	270	0.45	**289**	3	0.00	460	0.76	**336**	12	0.02	847	1.40
241	4	0.01	274	0.45	**290**	6	0.01	466	0.77	**337**	7	0.01	854	1.41
242	4	0.01	278	0.46	**291**	3	0.00	469	0.78	**338**	11	0.02	865	1.43
243	4	0.01	282	0.47	**292**	9	0.01	478	0.79	**339**	6	0.01	871	1.44
244	4	0.01	286	0.47	**293**	6	0.01	484	0.80	**340**	18	0.03	889	1.47
245	2	0.00	288	0.48	**294**	1	0.00	485	0.80	**341**	20	0.03	909	1.50
246	5	0.01	293	0.48	**295**	4	0.01	489	0.81	**342**	18	0.03	927	1.53
247	5	0.01	298	0.49	**296**	6	0.01	495	0.82	**343**	11	0.02	938	1.55
248	5	0.01	303	0.50	**297**	3	0.00	498	0.82	**344**	13	0.02	951	1.57
249	1	0.00	304	0.50	**298**	8	0.01	506	0.84	**345**	11	0.02	962	1.59
250	3	0.00	307	0.51	**299**	10	0.02	516	0.85	**346**	18	0.03	980	1.62
252	1	0.00	308	0.51	**300**	7	0.01	523	0.87	**347**	19	0.03	999	1.65
253	4	0.01	312	0.52	**301**	11	0.02	534	0.88	**348**	20	0.03	1019	1.69
254	2	0.00	314	0.52	**302**	7	0.01	541	0.90	**349**	12	0.02	1031	1.71
255	1	0.00	315	0.52	**303**	2	0.00	543	0.90	**350**	10	0.02	1041	1.72
256	1	0.00	316	0.52	**304**	6	0.01	549	0.91	**351**	20	0.03	1061	1.76
257	6	0.01	322	0.53	**305**	7	0.01	556	0.92	**352**	25	0.04	1086	1.80
258	4	0.01	326	0.54	**306**	10	0.02	566	0.94	**353**	22	0.04	1108	1.83
260	3	0.00	329	0.54	**307**	7	0.01	573	0.95	**354**	20	0.03	1128	1.87
261	3	0.00	332	0.55	**308**	5	0.01	578	0.96	**355**	27	0.04	1155	1.91
262	5	0.01	337	0.56	**309**	11	0.02	589	0.97	**356**	19	0.03	1174	1.94
263	3	0.00	340	0.56	**310**	3	0.00	592	0.98	**357**	14	0.02	1188	1.97
264	6	0.01	346	0.57	**311**	11	0.02	603	1.00	**358**	12	0.02	1200	1.99
265	2	0.00	348	0.58	**312**	10	0.02	613	1.01	**359**	15	0.02	1215	2.01
266	6	0.01	354	0.59	**313**	14	0.02	627	1.04	**360**	24	0.04	1239	2.05
267	1	0.00	355	0.59	**314**	13	0.02	640	1.06	**361**	20	0.03	1259	2.08
268	5	0.01	360	0.60	**315**	11	0.02	651	1.08	**362**	26	0.04	1285	2.13
269	2	0.00	362	0.60	**316**	5	0.01	656	1.09	**363**	25	0.04	1310	2.17
270	7	0.01	369	0.61	**317**	12	0.02	668	1.11	**364**	20	0.03	1330	2.20
271	5	0.01	374	0.62	**318**	9	0.01	677	1.12	**365**	21	0.03	1351	2.24
272	5	0.01	379	0.63	**319**	8	0.01	685	1.13	**366**	24	0.04	1375	2.28
273	7	0.01	386	0.64	**320**	6	0.01	691	1.14	**367**	21	0.03	1396	2.31
274	8	0.01	394	0.65	**321**	10	0.02	701	1.16	**368**	30	0.05	1426	2.36
275	4	0.01	398	0.66	**322**	6	0.01	707	1.17	**369**	24	0.04	1450	2.40
276	2	0.00	400	0.66	**323**	5	0.01	712	1.18	**370**	29	0.05	1479	2.45
277	4	0.01	404	0.67	**324**	7	0.01	719	1.19	**371**	32	0.05	1511	2.50
278	4	0.01	408	0.68	**325**	8	0.01	727	1.20	**372**	42	0.07	1553	2.57
279	5	0.01	413	0.68	**326**	9	0.01	736	1.22	**373**	31	0.05	1584	2.62
280	2	0.00	415	0.69	**327**	16	0.03	752	1.24	**374**	31	0.05	1615	2.67
281	4	0.01	419	0.69	**328**	8	0.01	760	1.26	**375**	30	0.05	1645	2.72
282	8	0.01	427	0.71	**329**	14	0.02	774	1.28	**376**	31	0.05	1676	2.77
283	4	0.01	431	0.71	**330**	7	0.01	781	1.29	**377**	30	0.05	1706	2.82
284	6	0.01	437	0.72	**331**	10	0.02	791	1.31	**378**	35	0.06	1741	2.88
285	5	0.01	442	0.73	**332**	8	0.01	799	1.32	**379**	36	0.06	1777	2.94
286	7	0.01	449	0.74	**333**	12	0.02	811	1.34	**380**	34	0.06	1811	3.00
287	4	0.01	453	0.75	**334**	10	0.02	821	1.36	**381**	36	0.06	1847	3.06
288	4	0.01	457	0.76	**335**	14	0.02	835	1.38	**382**	34	0.06	1881	3.11

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Table 175. Scale Score Distribution, Mathematics Grade 6 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
383	33	0.05	1914	3.17	**430**	106	0.18	4892	8.10	**477**	182	0.30	11717	19.39
384	40	0.07	1954	3.23	**431**	91	0.15	4983	8.25	**478**	186	0.31	11903	19.70
385	37	0.06	1991	3.30	**432**	90	0.15	5073	8.40	**479**	190	0.31	12093	20.02
386	44	0.07	2035	3.37	**433**	115	0.19	5188	8.59	**480**	191	0.32	12284	20.33
387	44	0.07	2079	3.44	**434**	106	0.18	5294	8.76	**481**	190	0.31	12474	20.65
388	33	0.05	2112	3.50	**435**	90	0.15	5384	8.91	**482**	200	0.33	12674	20.98
389	49	0.08	2161	3.58	**436**	125	0.21	5509	9.12	**483**	211	0.35	12885	21.33
390	42	0.07	2203	3.65	**437**	118	0.20	5627	9.31	**484**	204	0.34	13089	21.67
391	48	0.08	2251	3.73	**438**	108	0.18	5735	9.49	**485**	256	0.42	13345	22.09
392	58	0.10	2309	3.82	**439**	104	0.17	5839	9.66	**486**	220	0.36	13565	22.45
393	53	0.09	2362	3.91	**440**	124	0.21	5963	9.87	**487**	228	0.38	13793	22.83
394	44	0.07	2406	3.98	**441**	123	0.20	6086	10.07	**488**	254	0.42	14047	23.25
395	53	0.09	2459	4.07	**442**	123	0.20	6209	10.28	**489**	224	0.37	14271	23.62
396	44	0.07	2503	4.14	**443**	123	0.20	6332	10.48	**490**	222	0.37	14493	23.99
397	43	0.07	2546	4.21	**444**	119	0.20	6451	10.68	**491**	228	0.38	14721	24.37
398	43	0.07	2589	4.29	**445**	126	0.21	6577	10.89	**492**	257	0.43	14978	24.79
399	41	0.07	2630	4.35	**446**	117	0.19	6694	11.08	**493**	252	0.42	15230	25.21
400	52	0.09	2682	4.44	**447**	116	0.19	6810	11.27	**494**	242	0.40	15472	25.61
401	64	0.11	2746	4.55	**448**	143	0.24	6953	11.51	**495**	227	0.38	15699	25.99
402	55	0.09	2801	4.64	**449**	111	0.18	7064	11.69	**496**	282	0.47	15981	26.45
403	52	0.09	2853	4.72	**450**	130	0.22	7194	11.91	**497**	277	0.46	16258	26.91
404	55	0.09	2908	4.81	**451**	130	0.22	7324	12.12	**498**	254	0.42	16512	27.33
405	56	0.09	2964	4.91	**452**	142	0.24	7466	12.36	**499**	252	0.42	16764	27.75
406	57	0.09	3021	5.00	**453**	135	0.22	7601	12.58	**500**	286	0.47	17050	28.22
407	66	0.11	3087	5.11	**454**	160	0.26	7761	12.85	**501**	244	0.40	17294	28.63
408	65	0.11	3152	5.22	**455**	169	0.28	7930	13.13	**502**	245	0.41	17539	29.03
409	65	0.11	3217	5.32	**456**	133	0.22	8063	13.35	**503**	258	0.43	17797	29.46
410	61	0.10	3278	5.43	**457**	152	0.25	8215	13.60	**504**	249	0.41	18046	29.87
411	65	0.11	3343	5.53	**458**	146	0.24	8361	13.84	**505**	277	0.46	18323	30.33
412	84	0.14	3427	5.67	**459**	128	0.21	8489	14.05	**506**	274	0.45	18597	30.78
413	82	0.14	3509	5.81	**460**	161	0.27	8650	14.32	**507**	272	0.45	18869	31.23
414	74	0.12	3583	5.93	**461**	152	0.25	8802	14.57	**508**	272	0.45	19141	31.68
415	80	0.13	3663	6.06	**462**	162	0.27	8964	14.84	**509**	263	0.44	19404	32.12
416	64	0.11	3727	6.17	**463**	167	0.28	9131	15.11	**510**	290	0.48	19694	32.60
417	73	0.12	3800	6.29	**464**	163	0.27	9294	15.38	**511**	279	0.46	19973	33.06
418	73	0.12	3873	6.41	**465**	192	0.32	9486	15.70	**512**	279	0.46	20252	33.52
419	82	0.14	3955	6.55	**466**	155	0.26	9641	15.96	**513**	306	0.51	20558	34.03
420	80	0.13	4035	6.68	**467**	172	0.28	9813	16.24	**514**	301	0.50	20859	34.53
421	104	0.17	4139	6.85	**468**	192	0.32	10005	16.56	**515**	291	0.48	21150	35.01
422	76	0.13	4215	6.98	**469**	176	0.29	10181	16.85	**516**	280	0.46	21430	35.47
423	62	0.10	4277	7.08	**470**	189	0.31	10370	17.16	**517**	303	0.50	21733	35.97
424	91	0.15	4368	7.23	**471**	178	0.29	10548	17.46	**518**	300	0.50	22033	36.47
425	83	0.14	4451	7.37	**472**	179	0.30	10727	17.76	**519**	300	0.50	22333	36.97
426	89	0.15	4540	7.51	**473**	192	0.32	10919	18.07	**520**	296	0.49	22629	37.46
427	65	0.11	4605	7.62	**474**	210	0.35	11129	18.42	**521**	306	0.51	22935	37.96
428	85	0.14	4690	7.76	**475**	203	0.34	11332	18.76	**522**	288	0.48	23223	38.44
429	96	0.16	4786	7.92	**476**	203	0.34	11535	19.09	**523**	304	0.50	23527	38.94

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Table 175. Scale Score Distribution, Mathematics Grade 6 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
524	280	0.46	23807	39.41	**571**	328	0.54	38789	64.20	**618**	217	0.36	51732	85.63
525	332	0.55	24139	39.96	**572**	307	0.51	39096	64.71	**619**	202	0.33	51934	85.96
526	289	0.48	24428	40.43	**573**	316	0.52	39412	65.24	**620**	216	0.36	52150	86.32
527	322	0.53	24750	40.97	**574**	342	0.57	39754	65.80	**621**	221	0.37	52371	86.69
528	317	0.52	25067	41.49	**575**	331	0.55	40085	66.35	**622**	207	0.34	52578	87.03
529	320	0.53	25387	42.02	**576**	293	0.48	40378	66.83	**623**	221	0.37	52799	87.39
530	344	0.57	25731	42.59	**577**	332	0.55	40710	67.38	**624**	222	0.37	53021	87.76
531	288	0.48	26019	43.07	**578**	291	0.48	41001	67.87	**625**	204	0.34	53225	88.10
532	320	0.53	26339	43.60	**579**	334	0.55	41335	68.42	**626**	208	0.34	53433	88.44
533	345	0.57	26684	44.17	**580**	297	0.49	41632	68.91	**627**	201	0.33	53634	88.78
534	323	0.53	27007	44.70	**581**	294	0.49	41926	69.40	**628**	208	0.34	53842	89.12
535	301	0.50	27308	45.20	**582**	305	0.50	42231	69.90	**629**	194	0.32	54036	89.44
536	306	0.51	27614	45.71	**583**	304	0.50	42535	70.40	**630**	185	0.31	54221	89.75
537	330	0.55	27944	46.25	**584**	311	0.51	42846	70.92	**631**	155	0.26	54376	90.00
538	338	0.56	28282	46.81	**585**	285	0.47	43131	71.39	**632**	169	0.28	54545	90.28
539	331	0.55	28613	47.36	**586**	275	0.46	43406	71.85	**633**	167	0.28	54712	90.56
540	362	0.60	28975	47.96	**587**	299	0.49	43705	72.34	**634**	171	0.28	54883	90.84
541	302	0.50	29277	48.46	**588**	306	0.51	44011	72.85	**635**	169	0.28	55052	91.12
542	319	0.53	29596	48.99	**589**	287	0.48	44298	73.32	**636**	172	0.28	55224	91.41
543	300	0.50	29896	49.48	**590**	290	0.48	44588	73.80	**637**	154	0.25	55378	91.66
544	314	0.52	30210	50.00	**591**	295	0.49	44883	74.29	**638**	140	0.23	55518	91.89
545	304	0.50	30514	50.51	**592**	301	0.50	45184	74.79	**639**	153	0.25	55671	92.15
546	316	0.52	30830	51.03	**593**	239	0.40	45423	75.18	**640**	158	0.26	55829	92.41
547	332	0.55	31162	51.58	**594**	290	0.48	45713	75.66	**641**	168	0.28	55997	92.69
548	276	0.46	31438	52.04	**595**	305	0.50	46018	76.17	**642**	139	0.23	56136	92.92
549	300	0.50	31738	52.53	**596**	265	0.44	46283	76.61	**643**	142	0.24	56278	93.15
550	331	0.55	32069	53.08	**597**	267	0.44	46550	77.05	**644**	142	0.24	56420	93.39
551	307	0.51	32376	53.59	**598**	271	0.45	46821	77.50	**645**	117	0.19	56537	93.58
552	291	0.48	32667	54.07	**599**	287	0.48	47108	77.97	**646**	143	0.24	56680	93.82
553	327	0.54	32994	54.61	**600**	259	0.43	47367	78.40	**647**	117	0.19	56797	94.01
554	318	0.53	33312	55.14	**601**	257	0.43	47624	78.83	**648**	129	0.21	56926	94.22
555	348	0.58	33660	55.71	**602**	284	0.47	47908	79.30	**649**	115	0.19	57041	94.42
556	332	0.55	33992	56.26	**603**	276	0.46	48184	79.76	**650**	142	0.24	57183	94.65
557	307	0.51	34299	56.77	**604**	269	0.45	48453	80.20	**651**	114	0.19	57297	94.84
558	334	0.55	34633	57.33	**605**	256	0.42	48709	80.62	**652**	101	0.17	57398	95.01
559	297	0.49	34930	57.82	**606**	264	0.44	48973	81.06	**653**	109	0.18	57507	95.19
560	315	0.52	35245	58.34	**607**	231	0.38	49204	81.44	**654**	108	0.18	57615	95.37
561	324	0.54	35569	58.87	**608**	243	0.40	49447	81.85	**655**	88	0.15	57703	95.51
562	318	0.53	35887	59.40	**609**	242	0.40	49689	82.25	**656**	103	0.17	57806	95.68
563	358	0.59	36245	59.99	**610**	226	0.37	49915	82.62	**657**	105	0.17	57911	95.86
564	308	0.51	36553	60.50	**611**	209	0.35	50124	82.97	**658**	99	0.16	58010	96.02
565	287	0.48	36840	60.98	**612**	214	0.35	50338	83.32	**659**	89	0.15	58099	96.17
566	362	0.60	37202	61.58	**613**	240	0.40	50578	83.72	**660**	98	0.16	58197	96.33
567	307	0.51	37509	62.09	**614**	225	0.37	50803	84.09	**661**	73	0.12	58270	96.45
568	304	0.50	37813	62.59	**615**	248	0.41	51051	84.50	**662**	73	0.12	58343	96.57
569	315	0.52	38128	63.11	**616**	234	0.39	51285	84.89	**663**	79	0.13	58422	96.70
570	333	0.55	38461	63.66	**617**	230	0.38	51515	85.27	**664**	71	0.12	58493	96.82

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Table 175. Scale Score Distribution, Mathematics Grade 6 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
665	70	0.12	58563	96.93	**712**	10	0.02	60134	99.53	**762**	2	0.00	60383	99.95
666	83	0.14	58646	97.07	**713**	9	0.01	60143	99.55	**763**	2	0.00	60385	99.95
667	51	0.08	58697	97.16	**714**	17	0.03	60160	99.58	**765**	2	0.00	60387	99.95
668	65	0.11	58762	97.26	**715**	13	0.02	60173	99.60	**766**	1	0.00	60388	99.96
669	62	0.10	58824	97.37	**716**	9	0.01	60182	99.61	**767**	1	0.00	60389	99.96
670	74	0.12	58898	97.49	**717**	6	0.01	60188	99.62	**769**	1	0.00	60390	99.96
671	58	0.10	58956	97.59	**718**	8	0.01	60196	99.64	**770**	4	0.01	60394	99.97
672	44	0.07	59000	97.66	**719**	10	0.02	60206	99.65	**771**	2	0.00	60396	99.97
673	50	0.08	59050	97.74	**720**	7	0.01	60213	99.67	**772**	2	0.00	60398	99.97
674	45	0.07	59095	97.82	**721**	12	0.02	60225	99.69	**774**	3	0.00	60401	99.98
675	54	0.09	59149	97.90	**722**	12	0.02	60237	99.71	**776**	1	0.00	60402	99.98
676	44	0.07	59193	97.98	**723**	6	0.01	60243	99.72	**783**	1	0.00	60403	99.98
677	56	0.09	59249	98.07	**724**	8	0.01	60251	99.73	**786**	3	0.00	60406	99.99
678	41	0.07	59290	98.14	**725**	8	0.01	60259	99.74	**793**	1	0.00	60407	99.99
679	43	0.07	59333	98.21	**726**	3	0.00	60262	99.75	**794**	1	0.00	60408	99.99
680	40	0.07	59373	98.28	**727**	5	0.01	60267	99.76	**815**	2	0.00	60410	99.99
681	45	0.07	59418	98.35	**728**	10	0.02	60277	99.77	**816**	1	0.00	60411	99.99
682	39	0.06	59457	98.41	**729**	7	0.01	60284	99.78	**819**	1	0.00	60412	100.00
683	39	0.06	59496	98.48	**730**	1	0.00	60285	99.78	**830**	3	0.00	60415	100.00
684	27	0.04	59523	98.52	**731**	5	0.01	60290	99.79					
685	39	0.06	59562	98.59	**732**	3	0.00	60293	99.80					
686	30	0.05	59592	98.64	**733**	10	0.02	60303	99.81					
687	26	0.04	59618	98.68	**734**	6	0.01	60309	99.82					
688	36	0.06	59654	98.74	**735**	3	0.00	60312	99.83					
689	28	0.05	59682	98.79	**736**	2	0.00	60314	99.83					
690	34	0.06	59716	98.84	**737**	4	0.01	60318	99.84					
691	36	0.06	59752	98.90	**738**	2	0.00	60320	99.84					
692	22	0.04	59774	98.94	**739**	1	0.00	60321	99.84					
693	36	0.06	59810	99.00	**740**	4	0.01	60325	99.85					
694	25	0.04	59835	99.04	**741**	4	0.01	60329	99.86					
695	22	0.04	59857	99.08	**742**	3	0.00	60332	99.86					
696	12	0.02	59869	99.10	**744**	4	0.01	60336	99.87					
697	22	0.04	59891	99.13	**745**	2	0.00	60338	99.87					
698	18	0.03	59909	99.16	**746**	5	0.01	60343	99.88					
699	20	0.03	59929	99.20	**747**	3	0.00	60346	99.89					
700	21	0.03	59950	99.23	**748**	3	0.00	60349	99.89					
701	12	0.02	59962	99.25	**749**	2	0.00	60351	99.89					
702	20	0.03	59982	99.28	**750**	1	0.00	60352	99.90					
703	13	0.02	59995	99.30	**751**	3	0.00	60355	99.90					
704	18	0.03	60013	99.33	**752**	3	0.00	60358	99.91					
705	17	0.03	60030	99.36	**753**	4	0.01	60362	99.91					
706	18	0.03	60048	99.39	**754**	2	0.00	60364	99.92					
707	18	0.03	60066	99.42	**755**	1	0.00	60365	99.92					
708	20	0.03	60086	99.46	**756**	4	0.01	60369	99.92					
709	15	0.02	60101	99.48	**757**	1	0.00	60370	99.93					
710	12	0.02	60113	99.50	**759**	8	0.01	60378	99.94					
711	11	0.02	60124	99.52	**761**	3	0.00	60381	99.94					

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Table 176. Scale Score Distribution, Reading Grade 7

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
300	181	0.30	181	0.30	**374**	4	0.01	255	0.43	**427**	7	0.01	432	0.73
302	1	0.00	182	0.31	**379**	4	0.01	259	0.44	**428**	7	0.01	439	0.74
312	1	0.00	183	0.31	**380**	1	0.00	260	0.44	**429**	2	0.00	441	0.74
314	1	0.00	184	0.31	**381**	3	0.01	263	0.44	**430**	7	0.01	448	0.75
315	1	0.00	185	0.31	**382**	3	0.01	266	0.45	**431**	9	0.02	457	0.77
316	1	0.00	186	0.31	**383**	2	0.00	268	0.45	**432**	3	0.01	460	0.77
317	1	0.00	187	0.31	**384**	2	0.00	270	0.45	**433**	8	0.01	468	0.79
318	1	0.00	188	0.32	**385**	4	0.01	274	0.46	**434**	7	0.01	475	0.80
321	1	0.00	189	0.32	**386**	2	0.00	276	0.46	**435**	8	0.01	483	0.81
323	1	0.00	190	0.32	**387**	2	0.00	278	0.47	**436**	8	0.01	491	0.83
325	4	0.01	194	0.33	**388**	2	0.00	280	0.47	**437**	9	0.02	500	0.84
327	1	0.00	195	0.33	**389**	1	0.00	281	0.47	**438**	9	0.02	509	0.86
329	1	0.00	196	0.33	**390**	3	0.01	284	0.48	**439**	9	0.02	518	0.87
331	2	0.00	198	0.33	**391**	2	0.00	286	0.48	**440**	9	0.02	527	0.89
332	1	0.00	199	0.34	**392**	3	0.01	289	0.49	**441**	12	0.02	539	0.91
334	2	0.00	201	0.34	**393**	3	0.01	292	0.49	**442**	12	0.02	551	0.93
335	2	0.00	203	0.34	**395**	2	0.00	294	0.49	**443**	10	0.02	561	0.94
336	1	0.00	204	0.34	**396**	3	0.01	297	0.50	**444**	10	0.02	571	0.96
338	3	0.01	207	0.35	**397**	4	0.01	301	0.51	**445**	8	0.01	579	0.97
339	1	0.00	208	0.35	**398**	3	0.01	304	0.51	**446**	14	0.02	593	1.00
342	1	0.00	209	0.35	**399**	3	0.01	307	0.52	**447**	7	0.01	600	1.01
344	1	0.00	210	0.35	**400**	6	0.01	313	0.53	**448**	5	0.01	605	1.02
345	3	0.01	213	0.36	**401**	6	0.01	319	0.54	**449**	11	0.02	616	1.04
346	1	0.00	214	0.36	**402**	8	0.01	327	0.55	**450**	12	0.02	628	1.06
347	1	0.00	215	0.36	**403**	3	0.01	330	0.56	**451**	12	0.02	640	1.08
349	1	0.00	216	0.36	**404**	4	0.01	334	0.56	**452**	14	0.02	654	1.10
350	1	0.00	217	0.37	**405**	2	0.00	336	0.57	**453**	9	0.02	663	1.12
351	2	0.00	219	0.37	**406**	6	0.01	342	0.58	**454**	3	0.01	666	1.12
353	1	0.00	220	0.37	**407**	2	0.00	344	0.58	**455**	9	0.02	675	1.14
354	1	0.00	221	0.37	**409**	4	0.01	348	0.59	**456**	5	0.01	680	1.14
355	1	0.00	222	0.37	**410**	2	0.00	350	0.59	**457**	13	0.02	693	1.17
356	1	0.00	223	0.38	**411**	4	0.01	354	0.60	**458**	10	0.02	703	1.18
357	1	0.00	224	0.38	**412**	4	0.01	358	0.60	**459**	12	0.02	715	1.20
358	1	0.00	225	0.38	**413**	7	0.01	365	0.61	**460**	18	0.03	733	1.23
359	2	0.00	227	0.38	**414**	5	0.01	370	0.62	**461**	12	0.02	745	1.25
360	1	0.00	228	0.38	**415**	5	0.01	375	0.63	**462**	15	0.03	760	1.28
361	2	0.00	230	0.39	**416**	1	0.00	376	0.63	**463**	10	0.02	770	1.30
364	1	0.00	231	0.39	**417**	6	0.01	382	0.64	**464**	13	0.02	783	1.32
365	1	0.00	232	0.39	**418**	4	0.01	386	0.65	**465**	14	0.02	797	1.34
366	2	0.00	234	0.39	**419**	3	0.01	389	0.65	**466**	16	0.03	813	1.37
367	3	0.01	237	0.40	**420**	2	0.00	391	0.66	**467**	20	0.03	833	1.40
368	2	0.00	239	0.40	**421**	5	0.01	396	0.67	**468**	15	0.03	848	1.43
369	1	0.00	240	0.40	**422**	6	0.01	402	0.68	**469**	19	0.03	867	1.46
370	4	0.01	244	0.41	**423**	11	0.02	413	0.70	**470**	26	0.04	893	1.50
371	1	0.00	245	0.41	**424**	2	0.00	415	0.70	**471**	22	0.04	915	1.54
372	2	0.00	247	0.42	**425**	4	0.01	419	0.71	**472**	26	0.04	941	1.58
373	4	0.01	251	0.42	**426**	6	0.01	425	0.72	**473**	20	0.03	961	1.62

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Table 176. Scale Score Distribution, Reading Grade 7 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
474	16	0.03	977	1.64	**521**	55	0.09	2700	4.55	**568**	148	0.25	7284	12.26
475	20	0.03	997	1.68	**522**	59	0.10	2759	4.64	**569**	152	0.26	7436	12.52
476	16	0.03	1013	1.71	**523**	54	0.09	2813	4.74	**570**	141	0.24	7577	12.76
477	30	0.05	1043	1.76	**524**	56	0.09	2869	4.83	**571**	175	0.29	7752	13.05
478	24	0.04	1067	1.80	**525**	65	0.11	2934	4.94	**572**	167	0.28	7919	13.33
479	24	0.04	1091	1.84	**526**	69	0.12	3003	5.06	**573**	177	0.30	8096	13.63
480	25	0.04	1116	1.88	**527**	70	0.12	3073	5.17	**574**	142	0.24	8238	13.87
481	22	0.04	1138	1.92	**528**	71	0.12	3144	5.29	**575**	167	0.28	8405	14.15
482	31	0.05	1169	1.97	**529**	69	0.12	3213	5.41	**576**	138	0.23	8543	14.38
483	23	0.04	1192	2.01	**530**	64	0.11	3277	5.52	**577**	147	0.25	8690	14.63
484	22	0.04	1214	2.04	**531**	67	0.11	3344	5.63	**578**	158	0.27	8848	14.90
485	31	0.05	1245	2.10	**532**	67	0.11	3411	5.74	**579**	196	0.33	9044	15.23
486	19	0.03	1264	2.13	**533**	63	0.11	3474	5.85	**580**	190	0.32	9234	15.54
487	32	0.05	1296	2.18	**534**	75	0.13	3549	5.97	**581**	166	0.28	9400	15.82
488	27	0.05	1323	2.23	**535**	77	0.13	3626	6.10	**582**	206	0.35	9606	16.17
489	30	0.05	1353	2.28	**536**	72	0.12	3698	6.23	**583**	189	0.32	9795	16.49
490	28	0.05	1381	2.32	**537**	63	0.11	3761	6.33	**584**	193	0.32	9988	16.81
491	34	0.06	1415	2.38	**538**	91	0.15	3852	6.48	**585**	192	0.32	10180	17.14
492	27	0.05	1442	2.43	**539**	87	0.15	3939	6.63	**586**	187	0.31	10367	17.45
493	38	0.06	1480	2.49	**540**	84	0.14	4023	6.77	**587**	199	0.34	10566	17.79
494	32	0.05	1512	2.55	**541**	87	0.15	4110	6.92	**588**	220	0.37	10786	18.16
495	36	0.06	1548	2.61	**542**	74	0.12	4184	7.04	**589**	202	0.34	10988	18.50
496	38	0.06	1586	2.67	**543**	111	0.19	4295	7.23	**590**	228	0.38	11216	18.88
497	31	0.05	1617	2.72	**544**	96	0.16	4391	7.39	**591**	248	0.42	11464	19.30
498	35	0.06	1652	2.78	**545**	99	0.17	4490	7.56	**592**	207	0.35	11671	19.65
499	37	0.06	1689	2.84	**546**	80	0.13	4570	7.69	**593**	220	0.37	11891	20.02
500	36	0.06	1725	2.90	**547**	96	0.16	4666	7.85	**594**	228	0.38	12119	20.40
501	37	0.06	1762	2.97	**548**	102	0.17	4768	8.03	**595**	223	0.38	12342	20.78
502	49	0.08	1811	3.05	**549**	105	0.18	4873	8.20	**596**	241	0.41	12583	21.18
503	36	0.06	1847	3.11	**550**	107	0.18	4980	8.38	**597**	251	0.42	12834	21.61
504	29	0.05	1876	3.16	**551**	110	0.19	5090	8.57	**598**	252	0.42	13086	22.03
505	41	0.07	1917	3.23	**552**	104	0.18	5194	8.74	**599**	298	0.50	13384	22.53
506	46	0.08	1963	3.30	**553**	97	0.16	5291	8.91	**600**	241	0.41	13625	22.94
507	51	0.09	2014	3.39	**554**	117	0.20	5408	9.10	**601**	272	0.46	13897	23.39
508	39	0.07	2053	3.46	**555**	120	0.20	5528	9.31	**602**	260	0.44	14157	23.83
509	45	0.08	2098	3.53	**556**	119	0.20	5647	9.51	**603**	297	0.50	14454	24.33
510	46	0.08	2144	3.61	**557**	118	0.20	5765	9.71	**604**	269	0.45	14723	24.79
511	44	0.07	2188	3.68	**558**	129	0.22	5894	9.92	**605**	288	0.48	15011	25.27
512	48	0.08	2236	3.76	**559**	111	0.19	6005	10.11	**606**	247	0.42	15258	25.69
513	46	0.08	2282	3.84	**560**	122	0.21	6127	10.31	**607**	292	0.49	15550	26.18
514	44	0.07	2326	3.92	**561**	139	0.23	6266	10.55	**608**	276	0.46	15826	26.64
515	50	0.08	2376	4.00	**562**	134	0.23	6400	10.77	**609**	271	0.46	16097	27.10
516	47	0.08	2423	4.08	**563**	146	0.25	6546	11.02	**610**	311	0.52	16408	27.62
517	60	0.10	2483	4.18	**564**	128	0.22	6674	11.24	**611**	312	0.53	16720	28.15
518	61	0.10	2544	4.28	**565**	154	0.26	6828	11.49	**612**	314	0.53	17034	28.68
519	50	0.08	2594	4.37	**566**	164	0.28	6992	11.77	**613**	329	0.55	17363	29.23
520	51	0.09	2645	4.45	**567**	144	0.24	7136	12.01	**614**	278	0.47	17641	29.70

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Table 176. Scale Score Distribution, Reading Grade 7 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
615	316	0.53	17957	30.23	**662**	433	0.73	36244	61.01	**709**	239	0.40	52491	88.37
616	329	0.55	18286	30.78	**663**	433	0.73	36677	61.74	**710**	222	0.37	52713	88.74
617	348	0.59	18634	31.37	**664**	395	0.66	37072	62.41	**711**	233	0.39	52946	89.13
618	326	0.55	18960	31.92	**665**	423	0.71	37495	63.12	**712**	229	0.39	53175	89.52
619	344	0.58	19304	32.50	**666**	425	0.72	37920	63.84	**713**	213	0.36	53388	89.88
620	342	0.58	19646	33.07	**667**	424	0.71	38344	64.55	**714**	220	0.37	53608	90.25
621	343	0.58	19989	33.65	**668**	423	0.71	38767	65.26	**715**	188	0.32	53796	90.56
622	343	0.58	20332	34.23	**669**	409	0.69	39176	65.95	**716**	204	0.34	54000	90.91
623	371	0.62	20703	34.85	**670**	380	0.64	39556	66.59	**717**	200	0.34	54200	91.24
624	337	0.57	21040	35.42	**671**	424	0.71	39980	67.30	**718**	195	0.33	54395	91.57
625	322	0.54	21362	35.96	**672**	386	0.65	40366	67.95	**719**	181	0.30	54576	91.88
626	372	0.63	21734	36.59	**673**	384	0.65	40750	68.60	**720**	182	0.31	54758	92.18
627	342	0.58	22076	37.16	**674**	420	0.71	41170	69.31	**721**	176	0.30	54934	92.48
628	381	0.64	22457	37.81	**675**	384	0.65	41554	69.95	**722**	149	0.25	55083	92.73
629	397	0.67	22854	38.47	**676**	390	0.66	41944	70.61	**723**	160	0.27	55243	93.00
630	380	0.64	23234	39.11	**677**	371	0.62	42315	71.23	**724**	135	0.23	55378	93.23
631	363	0.61	23597	39.72	**678**	379	0.64	42694	71.87	**725**	161	0.27	55539	93.50
632	353	0.59	23950	40.32	**679**	384	0.65	43078	72.52	**726**	150	0.25	55689	93.75
633	356	0.60	24306	40.92	**680**	389	0.65	43467	73.17	**727**	150	0.25	55839	94.00
634	385	0.65	24691	41.57	**681**	342	0.58	43809	73.75	**728**	141	0.24	55980	94.24
635	408	0.69	25099	42.25	**682**	352	0.59	44161	74.34	**729**	109	0.18	56089	94.42
636	419	0.71	25518	42.96	**683**	365	0.61	44526	74.96	**730**	141	0.24	56230	94.66
637	404	0.68	25922	43.64	**684**	365	0.61	44891	75.57	**731**	119	0.20	56349	94.86
638	439	0.74	26361	44.38	**685**	358	0.60	45249	76.17	**732**	130	0.22	56479	95.08
639	399	0.67	26760	45.05	**686**	364	0.61	45613	76.79	**733**	105	0.18	56584	95.26
640	417	0.70	27177	45.75	**687**	342	0.58	45955	77.36	**734**	130	0.22	56714	95.47
641	381	0.64	27558	46.39	**688**	375	0.63	46330	77.99	**735**	100	0.17	56814	95.64
642	400	0.67	27958	47.07	**689**	338	0.57	46668	78.56	**736**	102	0.17	56916	95.81
643	456	0.77	28414	47.83	**690**	309	0.52	46977	79.08	**737**	117	0.20	57033	96.01
644	401	0.68	28815	48.51	**691**	346	0.58	47323	79.67	**738**	100	0.17	57133	96.18
645	448	0.75	29263	49.26	**692**	320	0.54	47643	80.20	**739**	94	0.16	57227	96.34
646	407	0.69	29670	49.95	**693**	328	0.55	47971	80.76	**740**	87	0.15	57314	96.48
647	404	0.68	30074	50.63	**694**	314	0.53	48285	81.29	**741**	101	0.17	57415	96.65
648	406	0.68	30480	51.31	**695**	310	0.52	48595	81.81	**742**	83	0.14	57498	96.79
649	400	0.67	30880	51.98	**696**	281	0.47	48876	82.28	**743**	92	0.15	57590	96.95
650	400	0.67	31280	52.66	**697**	339	0.57	49215	82.85	**744**	70	0.12	57660	97.07
651	448	0.75	31728	53.41	**698**	278	0.47	49493	83.32	**745**	82	0.14	57742	97.21
652	429	0.72	32157	54.13	**699**	303	0.51	49796	83.83	**746**	91	0.15	57833	97.36
653	387	0.65	32544	54.79	**700**	283	0.48	50079	84.31	**747**	68	0.11	57901	97.47
654	443	0.75	32987	55.53	**701**	295	0.50	50374	84.80	**748**	83	0.14	57984	97.61
655	398	0.67	33385	56.20	**702**	290	0.49	50664	85.29	**749**	59	0.10	58043	97.71
656	416	0.70	33801	56.90	**703**	242	0.41	50906	85.70	**750**	60	0.10	58103	97.81
657	390	0.66	34191	57.56	**704**	278	0.47	51184	86.17	**751**	54	0.09	58157	97.90
658	439	0.74	34630	58.30	**705**	255	0.43	51439	86.59	**752**	62	0.10	58219	98.01
659	416	0.70	35046	59.00	**706**	260	0.44	51699	87.03	**753**	48	0.08	58267	98.09
660	390	0.66	35436	59.65	**707**	241	0.41	51940	87.44	**754**	54	0.09	58321	98.18
661	375	0.63	35811	60.29	**708**	312	0.53	52252	87.96	**755**	57	0.10	58378	98.28

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Table 176. Scale Score Distribution, Reading Grade 7 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
756	47	0.08	58425	98.36	**803**	3	0.01	59301	99.83
757	43	0.07	58468	98.43	**804**	5	0.01	59306	99.84
758	36	0.06	58504	98.49	**805**	7	0.01	59313	99.85
759	44	0.07	58548	98.56	**806**	3	0.01	59316	99.86
760	38	0.06	58586	98.63	**807**	6	0.01	59322	99.87
761	34	0.06	58620	98.68	**808**	6	0.01	59328	99.88
762	40	0.07	58660	98.75	**809**	2	0.00	59330	99.88
763	31	0.05	58691	98.80	**810**	6	0.01	59336	99.89
764	32	0.05	58723	98.86	**811**	7	0.01	59343	99.90
765	41	0.07	58764	98.93	**812**	5	0.01	59348	99.91
766	24	0.04	58788	98.97	**813**	3	0.01	59351	99.91
767	31	0.05	58819	99.02	**814**	1	0.00	59352	99.92
768	26	0.04	58845	99.06	**815**	1	0.00	59353	99.92
769	28	0.05	58873	99.11	**816**	2	0.00	59355	99.92
770	29	0.05	58902	99.16	**817**	2	0.00	59357	99.92
771	20	0.03	58922	99.19	**818**	1	0.00	59358	99.93
772	25	0.04	58947	99.23	**819**	3	0.01	59361	99.93
773	32	0.05	58979	99.29	**820**	2	0.00	59363	99.93
774	23	0.04	59002	99.33	**821**	1	0.00	59364	99.94
775	18	0.03	59020	99.36	**823**	4	0.01	59368	99.94
776	13	0.02	59033	99.38	**825**	3	0.01	59371	99.95
777	20	0.03	59053	99.41	**826**	4	0.01	59375	99.95
778	19	0.03	59072	99.44	**827**	1	0.00	59376	99.96
779	18	0.03	59090	99.47	**828**	1	0.00	59377	99.96
780	13	0.02	59103	99.50	**829**	2	0.00	59379	99.96
781	9	0.02	59112	99.51	**830**	2	0.00	59381	99.96
782	18	0.03	59130	99.54	**832**	2	0.00	59383	99.97
783	3	0.01	59133	99.55	**834**	1	0.00	59384	99.97
784	10	0.02	59143	99.56	**835**	1	0.00	59385	99.97
785	13	0.02	59156	99.59	**838**	1	0.00	59386	99.97
786	16	0.03	59172	99.61	**839**	1	0.00	59387	99.97
787	9	0.02	59181	99.63	**842**	1	0.00	59388	99.98
788	5	0.01	59186	99.64	**844**	1	0.00	59389	99.98
789	4	0.01	59190	99.64	**846**	2	0.00	59391	99.98
790	12	0.02	59202	99.66	**850**	1	0.00	59392	99.98
791	10	0.02	59212	99.68	**851**	1	0.00	59393	99.98
792	7	0.01	59219	99.69	**860**	1	0.00	59394	99.99
793	8	0.01	59227	99.71	**862**	1	0.00	59395	99.99
794	12	0.02	59239	99.73	**875**	1	0.00	59396	99.99
795	9	0.02	59248	99.74	**882**	1	0.00	59397	99.99
796	8	0.01	59256	99.75	**887**	1	0.00	59398	99.99
797	6	0.01	59262	99.76	**890**	1	0.00	59399	99.99
798	8	0.01	59270	99.78	**893**	1	0.00	59400	100.00
799	2	0.00	59272	99.78	**907**	1	0.00	59401	100.00
800	9	0.02	59281	99.80	**938**	1	0.00	59402	100.00
801	8	0.01	59289	99.81					
802	9	0.02	59298	99.82					

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Table 177. Scale Score Distribution, Writing Grade 7

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
240	34	0.06	34	0.06	**332**	1	0.00	118	0.20	**379**	18	0.03	442	0.74
242	2	0.00	36	0.06	**333**	4	0.01	122	0.21	**380**	18	0.03	460	0.77
247	2	0.00	38	0.06	**334**	3	0.01	125	0.21	**381**	12	0.02	472	0.79
249	2	0.00	40	0.07	**335**	3	0.01	128	0.22	**382**	20	0.03	492	0.83
256	1	0.00	41	0.07	**336**	7	0.01	135	0.23	**383**	18	0.03	510	0.86
259	1	0.00	42	0.07	**337**	5	0.01	140	0.24	**384**	19	0.03	529	0.89
264	1	0.00	43	0.07	**338**	4	0.01	144	0.24	**385**	17	0.03	546	0.92
265	1	0.00	44	0.07	**339**	6	0.01	150	0.25	**386**	24	0.04	570	0.96
267	1	0.00	45	0.08	**340**	1	0.00	151	0.25	**387**	19	0.03	589	0.99
269	1	0.00	46	0.08	**341**	2	0.00	153	0.26	**388**	16	0.03	605	1.02
273	3	0.01	49	0.08	**342**	2	0.00	155	0.26	**389**	15	0.03	620	1.04
279	1	0.00	50	0.08	**343**	5	0.01	160	0.27	**390**	28	0.05	648	1.09
280	2	0.00	52	0.09	**344**	2	0.00	162	0.27	**391**	22	0.04	670	1.13
282	2	0.00	54	0.09	**345**	5	0.01	167	0.28	**392**	24	0.04	694	1.17
283	1	0.00	55	0.09	**346**	5	0.01	172	0.29	**393**	13	0.02	707	1.19
285	1	0.00	56	0.09	**347**	1	0.00	173	0.29	**394**	16	0.03	723	1.22
286	1	0.00	57	0.10	**348**	4	0.01	177	0.30	**395**	32	0.05	755	1.27
289	1	0.00	58	0.10	**349**	6	0.01	183	0.31	**396**	24	0.04	779	1.31
291	1	0.00	59	0.10	**350**	6	0.01	189	0.32	**397**	18	0.03	797	1.34
293	1	0.00	60	0.10	**351**	10	0.02	199	0.33	**398**	22	0.04	819	1.38
294	3	0.01	63	0.11	**352**	5	0.01	204	0.34	**399**	14	0.02	833	1.40
295	1	0.00	64	0.11	**353**	5	0.01	209	0.35	**400**	28	0.05	861	1.45
297	3	0.01	67	0.11	**354**	8	0.01	217	0.37	**401**	20	0.03	881	1.48
298	2	0.00	69	0.12	**355**	9	0.02	226	0.38	**402**	35	0.06	916	1.54
299	1	0.00	70	0.12	**356**	6	0.01	232	0.39	**403**	27	0.05	943	1.59
301	2	0.00	72	0.12	**357**	5	0.01	237	0.40	**404**	27	0.05	970	1.63
302	3	0.01	75	0.13	**358**	5	0.01	242	0.41	**405**	27	0.05	997	1.68
304	1	0.00	76	0.13	**359**	10	0.02	252	0.42	**406**	16	0.03	1013	1.70
306	2	0.00	78	0.13	**360**	7	0.01	259	0.44	**407**	25	0.04	1038	1.75
308	3	0.01	81	0.14	**361**	6	0.01	265	0.45	**408**	32	0.05	1070	1.80
310	1	0.00	82	0.14	**362**	4	0.01	269	0.45	**409**	40	0.07	1110	1.87
311	3	0.01	85	0.14	**363**	6	0.01	275	0.46	**410**	22	0.04	1132	1.91
314	2	0.00	87	0.15	**364**	11	0.02	286	0.48	**411**	34	0.06	1166	1.96
315	3	0.01	90	0.15	**365**	6	0.01	292	0.49	**412**	29	0.05	1195	2.01
317	3	0.01	93	0.16	**366**	14	0.02	306	0.52	**413**	39	0.07	1234	2.08
318	1	0.00	94	0.16	**367**	8	0.01	314	0.53	**414**	28	0.05	1262	2.12
319	2	0.00	96	0.16	**368**	7	0.01	321	0.54	**415**	48	0.08	1310	2.20
320	2	0.00	98	0.16	**369**	7	0.01	328	0.55	**416**	39	0.07	1349	2.27
321	2	0.00	100	0.17	**370**	13	0.02	341	0.57	**417**	35	0.06	1384	2.33
322	3	0.01	103	0.17	**371**	8	0.01	349	0.59	**418**	36	0.06	1420	2.39
323	1	0.00	104	0.18	**372**	12	0.02	361	0.61	**419**	41	0.07	1461	2.46
324	2	0.00	106	0.18	**373**	10	0.02	371	0.62	**420**	48	0.08	1509	2.54
325	1	0.00	107	0.18	**374**	10	0.02	381	0.64	**421**	39	0.07	1548	2.61
326	2	0.00	109	0.18	**375**	11	0.02	392	0.66	**422**	42	0.07	1590	2.68
329	3	0.01	112	0.19	**376**	9	0.02	401	0.67	**423**	56	0.09	1646	2.77
330	2	0.00	114	0.19	**377**	8	0.01	409	0.69	**424**	52	0.09	1698	2.86
331	3	0.01	117	0.20	**378**	15	0.03	424	0.71	**425**	58	0.10	1756	2.96

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Table 177. Scale Score Distribution, Writing Grade 7 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
426	59	0.10	1815	3.05	**473**	156	0.26	6431	10.82	**520**	342	0.58	17780	29.93
427	44	0.07	1859	3.13	**474**	162	0.27	6593	11.10	**521**	336	0.57	18116	30.49
428	45	0.08	1904	3.20	**475**	176	0.30	6769	11.39	**522**	345	0.58	18461	31.07
429	42	0.07	1946	3.28	**476**	187	0.31	6956	11.71	**523**	355	0.60	18816	31.67
430	59	0.10	2005	3.37	**477**	166	0.28	7122	11.99	**524**	367	0.62	19183	32.29
431	51	0.09	2056	3.46	**478**	163	0.27	7285	12.26	**525**	340	0.57	19523	32.86
432	52	0.09	2108	3.55	**479**	172	0.29	7457	12.55	**526**	331	0.56	19854	33.42
433	52	0.09	2160	3.64	**480**	172	0.29	7629	12.84	**527**	323	0.54	20177	33.96
434	69	0.12	2229	3.75	**481**	192	0.32	7821	13.16	**528**	362	0.61	20539	34.57
435	52	0.09	2281	3.84	**482**	193	0.32	8014	13.49	**529**	332	0.56	20871	35.13
436	50	0.08	2331	3.92	**483**	190	0.32	8204	13.81	**530**	333	0.56	21204	35.69
437	76	0.13	2407	4.05	**484**	198	0.33	8402	14.14	**531**	370	0.62	21574	36.31
438	73	0.12	2480	4.17	**485**	219	0.37	8621	14.51	**532**	340	0.57	21914	36.88
439	69	0.12	2549	4.29	**486**	177	0.30	8798	14.81	**533**	371	0.62	22285	37.51
440	58	0.10	2607	4.39	**487**	196	0.33	8994	15.14	**534**	388	0.65	22673	38.16
441	75	0.13	2682	4.51	**488**	211	0.36	9205	15.49	**535**	378	0.64	23051	38.80
442	79	0.13	2761	4.65	**489**	188	0.32	9393	15.81	**536**	343	0.58	23394	39.37
443	77	0.13	2838	4.78	**490**	206	0.35	9599	16.16	**537**	384	0.65	23778	40.02
444	73	0.12	2911	4.90	**491**	199	0.33	9798	16.49	**538**	350	0.59	24128	40.61
445	78	0.13	2989	5.03	**492**	219	0.37	10017	16.86	**539**	364	0.61	24492	41.22
446	88	0.15	3077	5.18	**493**	223	0.38	10240	17.23	**540**	346	0.58	24838	41.80
447	95	0.16	3172	5.34	**494**	250	0.42	10490	17.66	**541**	387	0.65	25225	42.46
448	85	0.14	3257	5.48	**495**	249	0.42	10739	18.07	**542**	349	0.59	25574	43.04
449	69	0.12	3326	5.60	**496**	254	0.43	10993	18.50	**543**	359	0.60	25933	43.65
450	95	0.16	3421	5.76	**497**	251	0.42	11244	18.92	**544**	403	0.68	26336	44.33
451	89	0.15	3510	5.91	**498**	233	0.39	11477	19.32	**545**	381	0.64	26717	44.97
452	94	0.16	3604	6.07	**499**	252	0.42	11729	19.74	**546**	392	0.66	27109	45.63
453	114	0.19	3718	6.26	**500**	247	0.42	11976	20.16	**547**	387	0.65	27496	46.28
454	110	0.19	3828	6.44	**501**	256	0.43	12232	20.59	**548**	406	0.68	27902	46.96
455	119	0.20	3947	6.64	**502**	243	0.41	12475	21.00	**549**	376	0.63	28278	47.59
456	111	0.19	4058	6.83	**503**	240	0.40	12715	21.40	**550**	387	0.65	28665	48.25
457	102	0.17	4160	7.00	**504**	265	0.45	12980	21.85	**551**	420	0.71	29085	48.95
458	131	0.22	4291	7.22	**505**	277	0.47	13257	22.31	**552**	366	0.62	29451	49.57
459	114	0.19	4405	7.41	**506**	281	0.47	13538	22.79	**553**	397	0.67	29848	50.24
460	135	0.23	4540	7.64	**507**	282	0.47	13820	23.26	**554**	398	0.67	30246	50.91
461	149	0.25	4689	7.89	**508**	291	0.49	14111	23.75	**555**	413	0.70	30659	51.60
462	123	0.21	4812	8.10	**509**	297	0.50	14408	24.25	**556**	364	0.61	31023	52.21
463	128	0.22	4940	8.31	**510**	293	0.49	14701	24.74	**557**	382	0.64	31405	52.86
464	148	0.25	5088	8.56	**511**	279	0.47	14980	25.21	**558**	360	0.61	31765	53.46
465	139	0.23	5227	8.80	**512**	295	0.50	15275	25.71	**559**	380	0.64	32145	54.10
466	125	0.21	5352	9.01	**513**	309	0.52	15584	26.23	**560**	361	0.61	32506	54.71
467	139	0.23	5491	9.24	**514**	299	0.50	15883	26.73	**561**	398	0.67	32904	55.38
468	148	0.25	5639	9.49	**515**	286	0.48	16169	27.21	**562**	348	0.59	33252	55.97
469	152	0.26	5791	9.75	**516**	325	0.55	16494	27.76	**563**	350	0.59	33602	56.56
470	168	0.28	5959	10.03	**517**	278	0.47	16772	28.23	**564**	346	0.58	33948	57.14
471	158	0.27	6117	10.30	**518**	309	0.52	17081	28.75	**565**	350	0.59	34298	57.73
472	158	0.27	6275	10.56	**519**	357	0.60	17438	29.35	**566**	378	0.64	34676	58.36

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Table 177. Scale Score Distribution, Writing Grade 7 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
567	408	0.69	35084	59.05	**614**	220	0.37	49225	82.85	**661**	78	0.13	56304	94.77
568	348	0.59	35432	59.64	**615**	228	0.38	49453	83.23	**662**	73	0.12	56377	94.89
569	354	0.60	35786	60.23	**616**	214	0.36	49667	83.59	**663**	92	0.15	56469	95.04
570	371	0.62	36157	60.86	**617**	220	0.37	49887	83.97	**664**	83	0.14	56552	95.18
571	339	0.57	36496	61.43	**618**	187	0.31	50074	84.28	**665**	84	0.14	56636	95.32
572	345	0.58	36841	62.01	**619**	203	0.34	50277	84.62	**666**	75	0.13	56711	95.45
573	346	0.58	37187	62.59	**620**	210	0.35	50487	84.97	**667**	72	0.12	56783	95.57
574	368	0.62	37555	63.21	**621**	206	0.35	50693	85.32	**668**	76	0.13	56859	95.70
575	331	0.56	37886	63.77	**622**	211	0.36	50904	85.68	**669**	65	0.11	56924	95.81
576	344	0.58	38230	64.35	**623**	172	0.29	51076	85.97	**670**	80	0.13	57004	95.94
577	350	0.59	38580	64.93	**624**	206	0.35	51282	86.31	**671**	75	0.13	57079	96.07
578	365	0.61	38945	65.55	**625**	186	0.31	51468	86.63	**672**	75	0.13	57154	96.20
579	356	0.60	39301	66.15	**626**	185	0.31	51653	86.94	**673**	54	0.09	57208	96.29
580	331	0.56	39632	66.70	**627**	176	0.30	51829	87.23	**674**	49	0.08	57257	96.37
581	331	0.56	39963	67.26	**628**	198	0.33	52027	87.57	**675**	69	0.12	57326	96.49
582	318	0.54	40281	67.80	**629**	174	0.29	52201	87.86	**676**	68	0.11	57394	96.60
583	337	0.57	40618	68.36	**630**	168	0.28	52369	88.14	**677**	55	0.09	57449	96.69
584	345	0.58	40963	68.95	**631**	198	0.33	52567	88.48	**678**	53	0.09	57502	96.78
585	304	0.51	41267	69.46	**632**	178	0.30	52745	88.78	**679**	57	0.10	57559	96.88
586	335	0.56	41602	70.02	**633**	166	0.28	52911	89.05	**680**	58	0.10	57617	96.98
587	304	0.51	41906	70.53	**634**	144	0.24	53055	89.30	**681**	62	0.10	57679	97.08
588	339	0.57	42245	71.10	**635**	158	0.27	53213	89.56	**682**	55	0.09	57734	97.17
589	327	0.55	42572	71.65	**636**	154	0.26	53367	89.82	**683**	43	0.07	57777	97.24
590	297	0.50	42869	72.15	**637**	151	0.25	53518	90.08	**684**	38	0.06	57815	97.31
591	308	0.52	43177	72.67	**638**	139	0.23	53657	90.31	**685**	59	0.10	57874	97.41
592	285	0.48	43462	73.15	**639**	153	0.26	53810	90.57	**686**	44	0.07	57918	97.48
593	308	0.52	43770	73.67	**640**	130	0.22	53940	90.79	**687**	49	0.08	57967	97.56
594	283	0.48	44053	74.15	**641**	129	0.22	54069	91.00	**688**	58	0.10	58025	97.66
595	314	0.53	44367	74.67	**642**	153	0.26	54222	91.26	**689**	51	0.09	58076	97.75
596	290	0.49	44657	75.16	**643**	139	0.23	54361	91.50	**690**	47	0.08	58123	97.83
597	323	0.54	44980	75.71	**644**	129	0.22	54490	91.71	**691**	50	0.08	58173	97.91
598	258	0.43	45238	76.14	**645**	147	0.25	54637	91.96	**692**	28	0.05	58201	97.96
599	275	0.46	45513	76.60	**646**	98	0.16	54735	92.12	**693**	32	0.05	58233	98.01
600	228	0.38	45741	76.99	**647**	135	0.23	54870	92.35	**694**	30	0.05	58263	98.06
601	272	0.46	46013	77.44	**648**	122	0.21	54992	92.56	**695**	36	0.06	58299	98.12
602	280	0.47	46293	77.92	**649**	116	0.20	55108	92.75	**696**	29	0.05	58328	98.17
603	279	0.47	46572	78.39	**650**	105	0.18	55213	92.93	**697**	43	0.07	58371	98.24
604	243	0.41	46815	78.79	**651**	115	0.19	55328	93.12	**698**	32	0.05	58403	98.30
605	258	0.43	47073	79.23	**652**	103	0.17	55431	93.30	**699**	36	0.06	58439	98.36
606	286	0.48	47359	79.71	**653**	119	0.20	55550	93.50	**700**	29	0.05	58468	98.41
607	257	0.43	47616	80.14	**654**	89	0.15	55639	93.65	**701**	36	0.06	58504	98.47
608	212	0.36	47828	80.50	**655**	93	0.16	55732	93.80	**702**	23	0.04	58527	98.51
609	249	0.42	48077	80.92	**656**	110	0.19	55842	93.99	**703**	36	0.06	58563	98.57
610	222	0.37	48299	81.29	**657**	88	0.15	55930	94.14	**704**	18	0.03	58581	98.60
611	233	0.39	48532	81.68	**658**	98	0.16	56028	94.30	**705**	28	0.05	58609	98.65
612	258	0.43	48790	82.12	**659**	114	0.19	56142	94.49	**706**	20	0.03	58629	98.68
613	215	0.36	49005	82.48	**660**	84	0.14	56226	94.63	**707**	20	0.03	58649	98.71

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Table 177. Scale Score Distribution, Writing Grade 7 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
708	21	0.04	58670	98.75	**755**	8	0.01	59262	99.74	**890**	13	0.02	59414	100.00
709	19	0.03	58689	98.78	**756**	9	0.02	59271	99.76					
710	21	0.04	58710	98.82	**757**	3	0.01	59274	99.76					
711	23	0.04	58733	98.85	**758**	13	0.02	59287	99.79					
712	19	0.03	58752	98.89	**759**	3	0.01	59290	99.79					
713	19	0.03	58771	98.92	**760**	2	0.00	59292	99.79					
714	16	0.03	58787	98.94	**761**	2	0.00	59294	99.80					
715	19	0.03	58806	98.98	**762**	1	0.00	59295	99.80					
716	24	0.04	58830	99.02	**763**	1	0.00	59296	99.80					
717	18	0.03	58848	99.05	**764**	1	0.00	59297	99.80					
718	24	0.04	58872	99.09	**765**	7	0.01	59304	99.81					
719	26	0.04	58898	99.13	**766**	3	0.01	59307	99.82					
720	18	0.03	58916	99.16	**769**	3	0.01	59310	99.82					
721	15	0.03	58931	99.19	**770**	4	0.01	59314	99.83					
722	13	0.02	58944	99.21	**771**	1	0.00	59315	99.83					
723	12	0.02	58956	99.23	**773**	2	0.00	59317	99.84					
724	17	0.03	58973	99.26	**774**	1	0.00	59318	99.84					
725	8	0.01	58981	99.27	**775**	6	0.01	59324	99.85					
726	16	0.03	58997	99.30	**776**	3	0.01	59327	99.85					
727	13	0.02	59010	99.32	**777**	1	0.00	59328	99.86					
728	22	0.04	59032	99.36	**778**	5	0.01	59333	99.86					
729	9	0.02	59041	99.37	**780**	4	0.01	59337	99.87					
730	9	0.02	59050	99.39	**782**	1	0.00	59338	99.87					
731	12	0.02	59062	99.41	**786**	7	0.01	59345	99.88					
732	20	0.03	59082	99.44	**787**	1	0.00	59346	99.89					
733	12	0.02	59094	99.46	**788**	1	0.00	59347	99.89					
734	7	0.01	59101	99.47	**789**	2	0.00	59349	99.89					
735	14	0.02	59115	99.50	**791**	4	0.01	59353	99.90					
736	12	0.02	59127	99.52	**793**	1	0.00	59354	99.90					
737	3	0.01	59130	99.52	**796**	4	0.01	59358	99.91					
738	4	0.01	59134	99.53	**797**	1	0.00	59359	99.91					
739	3	0.01	59137	99.53	**801**	1	0.00	59360	99.91					
740	6	0.01	59143	99.54	**802**	2	0.00	59362	99.91					
741	8	0.01	59151	99.56	**803**	1	0.00	59363	99.91					
742	7	0.01	59158	99.57	**805**	3	0.01	59366	99.92					
743	12	0.02	59170	99.59	**812**	2	0.00	59368	99.92					
744	8	0.01	59178	99.60	**818**	1	0.00	59369	99.92					
745	6	0.01	59184	99.61	**819**	2	0.00	59371	99.93					
746	8	0.01	59192	99.63	**823**	1	0.00	59372	99.93					
747	6	0.01	59198	99.64	**826**	15	0.03	59387	99.95					
748	13	0.02	59211	99.66	**827**	3	0.01	59390	99.96					
749	18	0.03	59229	99.69	**830**	4	0.01	59394	99.97					
750	8	0.01	59237	99.70	**835**	1	0.00	59395	99.97					
751	4	0.01	59241	99.71	**843**	2	0.00	59397	99.97					
752	4	0.01	59245	99.72	**847**	1	0.00	59398	99.97					
753	4	0.01	59249	99.72	**849**	1	0.00	59399	99.97					
754	5	0.01	59254	99.73	**854**	2	0.00	59401	99.98					

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Table 178. Scale Score Distribution, Mathematics Grade 7

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
280	432	0.73	432	0.73	**327**	7	0.01	624	1.05	**374**	7	0.01	1098	1.85
281	1	0.00	433	0.73	**328**	4	0.01	628	1.06	**375**	15	0.03	1113	1.87
282	1	0.00	434	0.73	**329**	8	0.01	636	1.07	**376**	12	0.02	1125	1.89
283	3	0.01	437	0.73	**330**	10	0.02	646	1.09	**377**	12	0.02	1137	1.91
284	1	0.00	438	0.74	**331**	7	0.01	653	1.10	**378**	25	0.04	1162	1.95
285	1	0.00	439	0.74	**332**	10	0.02	663	1.11	**379**	14	0.02	1176	1.98
286	1	0.00	440	0.74	**333**	7	0.01	670	1.13	**380**	20	0.03	1196	2.01
287	4	0.01	444	0.75	**334**	5	0.01	675	1.13	**381**	21	0.04	1217	2.05
288	2	0.00	446	0.75	**335**	8	0.01	683	1.15	**382**	30	0.05	1247	2.10
289	2	0.00	448	0.75	**336**	8	0.01	691	1.16	**383**	24	0.04	1271	2.14
290	3	0.01	451	0.76	**337**	10	0.02	701	1.18	**384**	27	0.05	1298	2.18
291	3	0.01	454	0.76	**338**	5	0.01	706	1.19	**385**	24	0.04	1322	2.22
292	3	0.01	457	0.77	**339**	8	0.01	714	1.20	**386**	19	0.03	1341	2.25
293	1	0.00	458	0.77	**340**	3	0.01	717	1.21	**387**	12	0.02	1353	2.27
294	3	0.01	461	0.78	**341**	6	0.01	723	1.22	**388**	23	0.04	1376	2.31
295	5	0.01	466	0.78	**342**	3	0.01	726	1.22	**389**	15	0.03	1391	2.34
296	4	0.01	470	0.79	**343**	6	0.01	732	1.23	**390**	35	0.06	1426	2.40
297	5	0.01	475	0.80	**344**	10	0.02	742	1.25	**391**	13	0.02	1439	2.42
298	1	0.00	476	0.80	**345**	13	0.02	755	1.27	**392**	26	0.04	1465	2.46
299	3	0.01	479	0.81	**346**	12	0.02	767	1.29	**393**	14	0.02	1479	2.49
300	4	0.01	483	0.81	**347**	9	0.02	776	1.30	**394**	28	0.05	1507	2.53
301	4	0.01	487	0.82	**348**	12	0.02	788	1.32	**395**	25	0.04	1532	2.58
302	4	0.01	491	0.83	**349**	12	0.02	800	1.35	**396**	32	0.05	1564	2.63
303	5	0.01	496	0.83	**350**	10	0.02	810	1.36	**397**	20	0.03	1584	2.66
304	5	0.01	501	0.84	**351**	8	0.01	818	1.38	**398**	21	0.04	1605	2.70
305	2	0.00	503	0.85	**352**	9	0.02	827	1.39	**399**	31	0.05	1636	2.75
306	3	0.01	506	0.85	**353**	7	0.01	834	1.40	**400**	34	0.06	1670	2.81
307	4	0.01	510	0.86	**354**	11	0.02	845	1.42	**401**	37	0.06	1707	2.87
308	2	0.00	512	0.86	**355**	17	0.03	862	1.45	**402**	30	0.05	1737	2.92
309	7	0.01	519	0.87	**356**	10	0.02	872	1.47	**403**	37	0.06	1774	2.98
310	6	0.01	525	0.88	**357**	9	0.02	881	1.48	**404**	28	0.05	1802	3.03
311	2	0.00	527	0.89	**358**	11	0.02	892	1.50	**405**	22	0.04	1824	3.07
312	3	0.01	530	0.89	**359**	8	0.01	900	1.51	**406**	38	0.06	1862	3.13
313	6	0.01	536	0.90	**360**	12	0.02	912	1.53	**407**	25	0.04	1887	3.17
314	7	0.01	543	0.91	**361**	7	0.01	919	1.55	**408**	32	0.05	1919	3.23
315	6	0.01	549	0.92	**362**	8	0.01	927	1.56	**409**	28	0.05	1947	3.27
316	4	0.01	553	0.93	**363**	14	0.02	941	1.58	**410**	37	0.06	1984	3.34
317	4	0.01	557	0.94	**364**	9	0.02	950	1.60	**411**	37	0.06	2021	3.40
318	6	0.01	563	0.95	**365**	11	0.02	961	1.62	**412**	32	0.05	2053	3.45
319	6	0.01	569	0.96	**366**	8	0.01	969	1.63	**413**	39	0.07	2092	3.52
320	5	0.01	574	0.97	**367**	13	0.02	982	1.65	**414**	51	0.09	2143	3.60
321	9	0.02	583	0.98	**368**	15	0.03	997	1.68	**415**	53	0.09	2196	3.69
322	11	0.02	594	1.00	**369**	20	0.03	1017	1.71	**416**	49	0.08	2245	3.77
323	2	0.00	596	1.00	**370**	18	0.03	1035	1.74	**417**	38	0.06	2283	3.84
324	7	0.01	603	1.01	**371**	18	0.03	1053	1.77	**418**	38	0.06	2321	3.90
325	7	0.01	610	1.03	**372**	19	0.03	1072	1.80	**419**	54	0.09	2375	3.99
326	7	0.01	617	1.04	**373**	19	0.03	1091	1.83	**420**	54	0.09	2429	4.08

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Table 178. Scale Score Distribution, Mathematics Grade 7 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
421	62	0.10	2491	4.19	**468**	126	0.21	6173	10.38	**515**	233	0.39	14834	24.94
422	36	0.06	2527	4.25	**469**	121	0.20	6294	10.58	**516**	267	0.45	15101	25.39
423	43	0.07	2570	4.32	**470**	122	0.21	6416	10.79	**517**	261	0.44	15362	25.83
424	50	0.08	2620	4.41	**471**	124	0.21	6540	11.00	**518**	284	0.48	15646	26.31
425	45	0.08	2665	4.48	**472**	131	0.22	6671	11.22	**519**	271	0.46	15917	26.76
426	52	0.09	2717	4.57	**473**	128	0.22	6799	11.43	**520**	273	0.46	16190	27.22
427	52	0.09	2769	4.66	**474**	146	0.25	6945	11.68	**521**	242	0.41	16432	27.63
428	53	0.09	2822	4.74	**475**	141	0.24	7086	11.91	**522**	257	0.43	16689	28.06
429	55	0.09	2877	4.84	**476**	147	0.25	7233	12.16	**523**	275	0.46	16964	28.52
430	61	0.10	2938	4.94	**477**	144	0.24	7377	12.40	**524**	292	0.49	17256	29.01
431	72	0.12	3010	5.06	**478**	165	0.28	7542	12.68	**525**	271	0.46	17527	29.47
432	58	0.10	3068	5.16	**479**	131	0.22	7673	12.90	**526**	322	0.54	17849	30.01
433	70	0.12	3138	5.28	**480**	138	0.23	7811	13.13	**527**	285	0.48	18134	30.49
434	58	0.10	3196	5.37	**481**	153	0.26	7964	13.39	**528**	296	0.50	18430	30.99
435	62	0.10	3258	5.48	**482**	162	0.27	8126	13.66	**529**	288	0.48	18718	31.47
436	70	0.12	3328	5.60	**483**	164	0.28	8290	13.94	**530**	287	0.48	19005	31.95
437	60	0.10	3388	5.70	**484**	139	0.23	8429	14.17	**531**	294	0.49	19299	32.45
438	72	0.12	3460	5.82	**485**	160	0.27	8589	14.44	**532**	313	0.53	19612	32.97
439	65	0.11	3525	5.93	**486**	199	0.33	8788	14.78	**533**	293	0.49	19905	33.47
440	65	0.11	3590	6.04	**487**	155	0.26	8943	15.04	**534**	318	0.53	20223	34.00
441	61	0.10	3651	6.14	**488**	176	0.30	9119	15.33	**535**	329	0.55	20552	34.55
442	73	0.12	3724	6.26	**489**	160	0.27	9279	15.60	**536**	257	0.43	20809	34.99
443	77	0.13	3801	6.39	**490**	186	0.31	9465	15.91	**537**	280	0.47	21089	35.46
444	63	0.11	3864	6.50	**491**	195	0.33	9660	16.24	**538**	282	0.47	21371	35.93
445	71	0.12	3935	6.62	**492**	173	0.29	9833	16.53	**539**	349	0.59	21720	36.52
446	75	0.13	4010	6.74	**493**	175	0.29	10008	16.83	**540**	295	0.50	22015	37.01
447	81	0.14	4091	6.88	**494**	182	0.31	10190	17.13	**541**	344	0.58	22359	37.59
448	70	0.12	4161	7.00	**495**	198	0.33	10388	17.47	**542**	325	0.55	22684	38.14
449	79	0.13	4240	7.13	**496**	199	0.33	10587	17.80	**543**	303	0.51	22987	38.65
450	98	0.16	4338	7.29	**497**	220	0.37	10807	18.17	**544**	302	0.51	23289	39.16
451	85	0.14	4423	7.44	**498**	206	0.35	11013	18.52	**545**	316	0.53	23605	39.69
452	80	0.13	4503	7.57	**499**	206	0.35	11219	18.86	**546**	315	0.53	23920	40.22
453	93	0.16	4596	7.73	**500**	211	0.35	11430	19.22	**547**	309	0.52	24229	40.74
454	108	0.18	4704	7.91	**501**	212	0.36	11642	19.57	**548**	332	0.56	24561	41.29
455	94	0.16	4798	8.07	**502**	229	0.39	11871	19.96	**549**	331	0.56	24892	41.85
456	85	0.14	4883	8.21	**503**	203	0.34	12074	20.30	**550**	347	0.58	25239	42.43
457	78	0.13	4961	8.34	**504**	194	0.33	12268	20.63	**551**	326	0.55	25565	42.98
458	89	0.15	5050	8.49	**505**	220	0.37	12488	21.00	**552**	324	0.54	25889	43.53
459	108	0.18	5158	8.67	**506**	218	0.37	12706	21.36	**553**	322	0.54	26211	44.07
460	95	0.16	5253	8.83	**507**	242	0.41	12948	21.77	**554**	335	0.56	26546	44.63
461	102	0.17	5355	9.00	**508**	233	0.39	13181	22.16	**555**	353	0.59	26899	45.23
462	109	0.18	5464	9.19	**509**	222	0.37	13403	22.53	**556**	334	0.56	27233	45.79
463	121	0.20	5585	9.39	**510**	239	0.40	13642	22.94	**557**	336	0.56	27569	46.35
464	117	0.20	5702	9.59	**511**	229	0.39	13871	23.32	**558**	316	0.53	27885	46.88
465	110	0.18	5812	9.77	**512**	239	0.40	14110	23.72	**559**	337	0.57	28222	47.45
466	119	0.20	5931	9.97	**513**	242	0.41	14352	24.13	**560**	332	0.56	28554	48.01
467	116	0.20	6047	10.17	**514**	249	0.42	14601	24.55	**561**	318	0.53	28872	48.54

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Table 178. Scale Score Distribution, Mathematics Grade 7 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
562	344	0.58	29216	49.12	**609**	305	0.51	44275	74.44	**656**	142	0.24	54709	91.98
563	320	0.54	29536	49.66	**610**	286	0.48	44561	74.92	**657**	118	0.20	54827	92.18
564	336	0.56	29872	50.22	**611**	286	0.48	44847	75.40	**658**	152	0.26	54979	92.44
565	358	0.60	30230	50.83	**612**	299	0.50	45146	75.90	**659**	145	0.24	55124	92.68
566	278	0.47	30508	51.29	**613**	277	0.47	45423	76.37	**660**	139	0.23	55263	92.91
567	324	0.54	30832	51.84	**614**	300	0.50	45723	76.88	**661**	112	0.19	55375	93.10
568	315	0.53	31147	52.37	**615**	282	0.47	46005	77.35	**662**	122	0.21	55497	93.31
569	297	0.50	31444	52.87	**616**	287	0.48	46292	77.83	**663**	131	0.22	55628	93.53
570	331	0.56	31775	53.42	**617**	249	0.42	46541	78.25	**664**	122	0.21	55750	93.73
571	347	0.58	32122	54.01	**618**	266	0.45	46807	78.70	**665**	112	0.19	55862	93.92
572	316	0.53	32438	54.54	**619**	311	0.52	47118	79.22	**666**	120	0.20	55982	94.12
573	324	0.54	32762	55.08	**620**	267	0.45	47385	79.67	**667**	116	0.20	56098	94.32
574	310	0.52	33072	55.60	**621**	268	0.45	47653	80.12	**668**	113	0.19	56211	94.51
575	322	0.54	33394	56.15	**622**	274	0.46	47927	80.58	**669**	106	0.18	56317	94.69
576	343	0.58	33737	56.72	**623**	284	0.48	48211	81.06	**670**	87	0.15	56404	94.83
577	337	0.57	34074	57.29	**624**	233	0.39	48444	81.45	**671**	84	0.14	56488	94.97
578	351	0.59	34425	57.88	**625**	238	0.40	48682	81.85	**672**	99	0.17	56587	95.14
579	323	0.54	34748	58.42	**626**	231	0.39	48913	82.24	**673**	89	0.15	56676	95.29
580	327	0.55	35075	58.97	**627**	250	0.42	49163	82.66	**674**	100	0.17	56776	95.46
581	354	0.60	35429	59.57	**628**	256	0.43	49419	83.09	**675**	92	0.15	56868	95.61
582	357	0.60	35786	60.17	**629**	258	0.43	49677	83.52	**676**	88	0.15	56956	95.76
583	337	0.57	36123	60.73	**630**	256	0.43	49933	83.95	**677**	80	0.13	57036	95.90
584	357	0.60	36480	61.33	**631**	230	0.39	50163	84.34	**678**	84	0.14	57120	96.04
585	316	0.53	36796	61.87	**632**	250	0.42	50413	84.76	**679**	72	0.12	57192	96.16
586	305	0.51	37101	62.38	**633**	215	0.36	50628	85.12	**680**	65	0.11	57257	96.27
587	315	0.53	37416	62.91	**634**	219	0.37	50847	85.49	**681**	90	0.15	57347	96.42
588	357	0.60	37773	63.51	**635**	208	0.35	51055	85.84	**682**	73	0.12	57420	96.54
589	331	0.56	38104	64.07	**636**	199	0.33	51254	86.17	**683**	83	0.14	57503	96.68
590	334	0.56	38438	64.63	**637**	194	0.33	51448	86.50	**684**	66	0.11	57569	96.79
591	334	0.56	38772	65.19	**638**	184	0.31	51632	86.81	**685**	68	0.11	57637	96.91
592	329	0.55	39101	65.74	**639**	187	0.31	51819	87.12	**686**	70	0.12	57707	97.02
593	323	0.54	39424	66.28	**640**	217	0.36	52036	87.49	**687**	74	0.12	57781	97.15
594	330	0.55	39754	66.84	**641**	219	0.37	52255	87.86	**688**	65	0.11	57846	97.26
595	316	0.53	40070	67.37	**642**	170	0.29	52425	88.14	**689**	68	0.11	57914	97.37
596	331	0.56	40401	67.93	**643**	157	0.26	52582	88.41	**690**	59	0.10	57973	97.47
597	312	0.52	40713	68.45	**644**	182	0.31	52764	88.71	**691**	48	0.08	58021	97.55
598	295	0.50	41008	68.95	**645**	190	0.32	52954	89.03	**692**	50	0.08	58071	97.64
599	293	0.49	41301	69.44	**646**	176	0.30	53130	89.33	**693**	47	0.08	58118	97.72
600	296	0.50	41597	69.94	**647**	195	0.33	53325	89.66	**694**	46	0.08	58164	97.79
601	279	0.47	41876	70.41	**648**	153	0.26	53478	89.91	**695**	53	0.09	58217	97.88
602	304	0.51	42180	70.92	**649**	159	0.27	53637	90.18	**696**	59	0.10	58276	97.98
603	289	0.49	42469	71.40	**650**	160	0.27	53797	90.45	**697**	43	0.07	58319	98.05
604	286	0.48	42755	71.88	**651**	174	0.29	53971	90.74	**698**	40	0.07	58359	98.12
605	296	0.50	43051	72.38	**652**	154	0.26	54125	91.00	**699**	40	0.07	58399	98.19
606	304	0.51	43355	72.89	**653**	155	0.26	54280	91.26	**700**	33	0.06	58432	98.24
607	312	0.52	43667	73.42	**654**	138	0.23	54418	91.49	**701**	37	0.06	58469	98.31
608	303	0.51	43970	73.93	**655**	149	0.25	54567	91.74	**702**	41	0.07	58510	98.37

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Table 178. Scale Score Distribution, Mathematics Grade 7 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
703	37	0.06	58547	98.44	**750**	5	0.01	59307	99.71	**804**	1	0.00	59445	99.95
704	48	0.08	58595	98.52	**751**	6	0.01	59313	99.72	**806**	1	0.00	59446	99.95
705	23	0.04	58618	98.56	**752**	8	0.01	59321	99.74	**809**	1	0.00	59447	99.95
706	39	0.07	58657	98.62	**753**	7	0.01	59328	99.75	**811**	1	0.00	59448	99.95
707	35	0.06	58692	98.68	**754**	7	0.01	59335	99.76	**814**	2	0.00	59450	99.95
708	22	0.04	58714	98.72	**755**	6	0.01	59341	99.77	**817**	1	0.00	59451	99.96
709	33	0.06	58747	98.77	**756**	4	0.01	59345	99.78	**819**	5	0.01	59456	99.96
710	28	0.05	58775	98.82	**757**	3	0.01	59348	99.78	**820**	1	0.00	59457	99.97
711	20	0.03	58795	98.85	**758**	4	0.01	59352	99.79	**821**	4	0.01	59461	99.97
712	18	0.03	58813	98.88	**759**	8	0.01	59360	99.80	**823**	3	0.01	59464	99.98
713	17	0.03	58830	98.91	**760**	2	0.00	59362	99.81	**825**	1	0.00	59465	99.98
714	23	0.04	58853	98.95	**761**	7	0.01	59369	99.82	**826**	1	0.00	59466	99.98
715	27	0.05	58880	99.00	**762**	3	0.01	59372	99.82	**833**	1	0.00	59467	99.98
716	29	0.05	58909	99.05	**763**	4	0.01	59376	99.83	**835**	1	0.00	59468	99.98
717	20	0.03	58929	99.08	**764**	5	0.01	59381	99.84	**847**	1	0.00	59469	99.99
718	20	0.03	58949	99.11	**765**	3	0.01	59384	99.84	**851**	1	0.00	59470	99.99
719	24	0.04	58973	99.15	**766**	1	0.00	59385	99.85	**860**	7	0.01	59477	100.00
720	18	0.03	58991	99.18	**767**	1	0.00	59386	99.85					
721	23	0.04	59014	99.22	**768**	1	0.00	59387	99.85					
722	20	0.03	59034	99.26	**769**	2	0.00	59389	99.85					
723	13	0.02	59047	99.28	**770**	1	0.00	59390	99.85					
724	17	0.03	59064	99.31	**771**	2	0.00	59392	99.86					
725	18	0.03	59082	99.34	**772**	2	0.00	59394	99.86					
726	13	0.02	59095	99.36	**773**	4	0.01	59398	99.87					
727	12	0.02	59107	99.38	**774**	3	0.01	59401	99.87					
728	13	0.02	59120	99.40	**775**	4	0.01	59405	99.88					
729	12	0.02	59132	99.42	**776**	1	0.00	59406	99.88					
730	16	0.03	59148	99.45	**777**	2	0.00	59408	99.88					
731	9	0.02	59157	99.46	**778**	6	0.01	59414	99.89					
732	13	0.02	59170	99.48	**779**	2	0.00	59416	99.90					
733	7	0.01	59177	99.50	**780**	5	0.01	59421	99.91					
734	11	0.02	59188	99.51	**781**	2	0.00	59423	99.91					
735	6	0.01	59194	99.52	**783**	1	0.00	59424	99.91					
736	4	0.01	59198	99.53	**785**	1	0.00	59425	99.91					
737	8	0.01	59206	99.54	**786**	2	0.00	59427	99.92					
738	10	0.02	59216	99.56	**787**	1	0.00	59428	99.92					
739	2	0.00	59218	99.56	**789**	3	0.01	59431	99.92					
740	13	0.02	59231	99.59	**790**	1	0.00	59432	99.92					
741	11	0.02	59242	99.60	**791**	1	0.00	59433	99.93					
742	4	0.01	59246	99.61	**792**	1	0.00	59434	99.93					
743	6	0.01	59252	99.62	**793**	1	0.00	59435	99.93					
744	9	0.02	59261	99.64	**794**	1	0.00	59436	99.93					
745	12	0.02	59273	99.66	**795**	2	0.00	59438	99.93					
746	6	0.01	59279	99.67	**797**	2	0.00	59440	99.94					
747	9	0.02	59288	99.68	**798**	2	0.00	59442	99.94					
748	7	0.01	59295	99.69	**801**	1	0.00	59443	99.94					
749	7	0.01	59302	99.71	**803**	1	0.00	59444	99.94					

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Table 179. Scale Score Distribution, Reading Grade 8

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
330	110	0.19	110	0.19	**423**	2	0.00	180	0.31	**471**	9	0.02	371	0.64
331	1	0.00	111	0.19	**424**	1	0.00	181	0.31	**472**	10	0.02	381	0.66
336	1	0.00	112	0.19	**425**	1	0.00	182	0.31	**473**	12	0.02	393	0.68
338	2	0.00	114	0.20	**426**	1	0.00	183	0.32	**474**	2	0.00	395	0.68
340	1	0.00	115	0.20	**427**	4	0.01	187	0.32	**475**	8	0.01	403	0.69
345	1	0.00	116	0.20	**428**	2	0.00	189	0.33	**476**	3	0.01	406	0.70
347	3	0.01	119	0.21	**429**	1	0.00	190	0.33	**477**	7	0.01	413	0.71
350	2	0.00	121	0.21	**430**	4	0.01	194	0.33	**478**	7	0.01	420	0.72
351	1	0.00	122	0.21	**432**	2	0.00	196	0.34	**479**	6	0.01	426	0.73
358	1	0.00	123	0.21	**433**	3	0.01	199	0.34	**480**	10	0.02	436	0.75
359	1	0.00	124	0.21	**434**	1	0.00	200	0.34	**481**	8	0.01	444	0.77
360	1	0.00	125	0.22	**435**	5	0.01	205	0.35	**482**	9	0.02	453	0.78
364	1	0.00	126	0.22	**436**	2	0.00	207	0.36	**483**	9	0.02	462	0.80
366	1	0.00	127	0.22	**437**	1	0.00	208	0.36	**484**	11	0.02	473	0.82
370	2	0.00	129	0.22	**438**	1	0.00	209	0.36	**485**	8	0.01	481	0.83
377	1	0.00	130	0.22	**439**	2	0.00	211	0.36	**486**	17	0.03	498	0.86
378	1	0.00	131	0.23	**440**	4	0.01	215	0.37	**487**	15	0.03	513	0.88
381	1	0.00	132	0.23	**441**	4	0.01	219	0.38	**488**	10	0.02	523	0.90
382	1	0.00	133	0.23	**442**	1	0.00	220	0.38	**489**	15	0.03	538	0.93
384	3	0.01	136	0.23	**443**	5	0.01	225	0.39	**490**	14	0.02	552	0.95
385	1	0.00	137	0.24	**444**	2	0.00	227	0.39	**491**	23	0.04	575	0.99
388	2	0.00	139	0.24	**445**	4	0.01	231	0.40	**492**	16	0.03	591	1.02
390	1	0.00	140	0.24	**446**	5	0.01	236	0.41	**493**	16	0.03	607	1.05
391	1	0.00	141	0.24	**447**	1	0.00	237	0.41	**494**	12	0.02	619	1.07
397	1	0.00	142	0.24	**448**	1	0.00	238	0.41	**495**	10	0.02	629	1.08
398	1	0.00	143	0.25	**449**	1	0.00	239	0.41	**496**	20	0.03	649	1.12
399	1	0.00	144	0.25	**450**	2	0.00	241	0.42	**497**	20	0.03	669	1.15
400	3	0.01	147	0.25	**451**	1	0.00	242	0.42	**498**	11	0.02	680	1.17
401	4	0.01	151	0.26	**452**	2	0.00	244	0.42	**499**	18	0.03	698	1.20
403	1	0.00	152	0.26	**453**	5	0.01	249	0.43	**500**	19	0.03	717	1.24
404	1	0.00	153	0.26	**454**	10	0.02	259	0.45	**501**	23	0.04	740	1.28
405	1	0.00	154	0.27	**455**	9	0.02	268	0.46	**502**	27	0.05	767	1.32
406	1	0.00	155	0.27	**456**	8	0.01	276	0.48	**503**	22	0.04	789	1.36
407	1	0.00	156	0.27	**457**	5	0.01	281	0.48	**504**	30	0.05	819	1.41
408	1	0.00	157	0.27	**458**	7	0.01	288	0.50	**505**	21	0.04	840	1.45
409	1	0.00	158	0.27	**459**	2	0.00	290	0.50	**506**	25	0.04	865	1.49
410	1	0.00	159	0.27	**460**	4	0.01	294	0.51	**507**	23	0.04	888	1.53
411	2	0.00	161	0.28	**461**	5	0.01	299	0.52	**508**	21	0.04	909	1.57
412	1	0.00	162	0.28	**462**	5	0.01	304	0.52	**509**	16	0.03	925	1.59
414	3	0.01	165	0.28	**463**	6	0.01	310	0.53	**510**	22	0.04	947	1.63
415	2	0.00	167	0.29	**464**	11	0.02	321	0.55	**511**	22	0.04	969	1.67
416	2	0.00	169	0.29	**465**	7	0.01	328	0.57	**512**	27	0.05	996	1.72
418	2	0.00	171	0.29	**466**	5	0.01	333	0.57	**513**	30	0.05	1026	1.77
419	3	0.01	174	0.30	**467**	6	0.01	339	0.58	**514**	39	0.07	1065	1.84
420	2	0.00	176	0.30	**468**	5	0.01	344	0.59	**515**	30	0.05	1095	1.89
421	1	0.00	177	0.31	**469**	4	0.01	348	0.60	**516**	26	0.04	1121	1.93
422	1	0.00	178	0.31	**470**	14	0.02	362	0.62	**517**	26	0.04	1147	1.98

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Table 179. Scale Score Distribution, Reading Grade 8 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
518	35	0.06	1182	2.04	**565**	105	0.18	4150	7.15	**612**	298	0.51	12723	21.93
519	25	0.04	1207	2.08	**566**	115	0.20	4265	7.35	**613**	303	0.52	13026	22.45
520	34	0.06	1241	2.14	**567**	117	0.20	4382	7.55	**614**	260	0.45	13286	22.90
521	35	0.06	1276	2.20	**568**	116	0.20	4498	7.75	**615**	290	0.50	13576	23.40
522	30	0.05	1306	2.25	**569**	98	0.17	4596	7.92	**616**	331	0.57	13907	23.97
523	28	0.05	1334	2.30	**570**	110	0.19	4706	8.11	**617**	319	0.55	14226	24.52
524	38	0.07	1372	2.36	**571**	107	0.18	4813	8.29	**618**	304	0.52	14530	25.04
525	24	0.04	1396	2.41	**572**	130	0.22	4943	8.52	**619**	294	0.51	14824	25.55
526	42	0.07	1438	2.48	**573**	113	0.19	5056	8.71	**620**	341	0.59	15165	26.13
527	34	0.06	1472	2.54	**574**	136	0.23	5192	8.95	**621**	315	0.54	15480	26.68
528	45	0.08	1517	2.61	**575**	125	0.22	5317	9.16	**622**	299	0.52	15779	27.19
529	39	0.07	1556	2.68	**576**	123	0.21	5440	9.38	**623**	326	0.56	16105	27.75
530	52	0.09	1608	2.77	**577**	157	0.27	5597	9.65	**624**	332	0.57	16437	28.33
531	42	0.07	1650	2.84	**578**	139	0.24	5736	9.89	**625**	336	0.58	16773	28.91
532	51	0.09	1701	2.93	**579**	159	0.27	5895	10.16	**626**	347	0.60	17120	29.50
533	71	0.12	1772	3.05	**580**	157	0.27	6052	10.43	**627**	317	0.55	17437	30.05
534	48	0.08	1820	3.14	**581**	136	0.23	6188	10.66	**628**	375	0.65	17812	30.70
535	47	0.08	1867	3.22	**582**	168	0.29	6356	10.95	**629**	353	0.61	18165	31.30
536	60	0.10	1927	3.32	**583**	148	0.26	6504	11.21	**630**	341	0.59	18506	31.89
537	43	0.07	1970	3.40	**584**	162	0.28	6666	11.49	**631**	342	0.59	18848	32.48
538	47	0.08	2017	3.48	**585**	185	0.32	6851	11.81	**632**	377	0.65	19225	33.13
539	58	0.10	2075	3.58	**586**	184	0.32	7035	12.12	**633**	374	0.64	19599	33.78
540	61	0.11	2136	3.68	**587**	160	0.28	7195	12.40	**634**	364	0.63	19963	34.40
541	55	0.09	2191	3.78	**588**	170	0.29	7365	12.69	**635**	373	0.64	20336	35.05
542	44	0.08	2235	3.85	**589**	154	0.27	7519	12.96	**636**	407	0.70	20743	35.75
543	55	0.09	2290	3.95	**590**	192	0.33	7711	13.29	**637**	374	0.64	21117	36.39
544	62	0.11	2352	4.05	**591**	195	0.34	7906	13.62	**638**	407	0.70	21524	37.09
545	64	0.11	2416	4.16	**592**	164	0.28	8070	13.91	**639**	372	0.64	21896	37.73
546	64	0.11	2480	4.27	**593**	210	0.36	8280	14.27	**640**	345	0.59	22241	38.33
547	71	0.12	2551	4.40	**594**	174	0.30	8454	14.57	**641**	421	0.73	22662	39.05
548	71	0.12	2622	4.52	**595**	202	0.35	8656	14.92	**642**	363	0.63	23025	39.68
549	77	0.13	2699	4.65	**596**	202	0.35	8858	15.27	**643**	410	0.71	23435	40.39
550	82	0.14	2781	4.79	**597**	214	0.37	9072	15.63	**644**	433	0.75	23868	41.13
551	82	0.14	2863	4.93	**598**	209	0.36	9281	15.99	**645**	399	0.69	24267	41.82
552	65	0.11	2928	5.05	**599**	226	0.39	9507	16.38	**646**	412	0.71	24679	42.53
553	71	0.12	2999	5.17	**600**	210	0.36	9717	16.75	**647**	421	0.73	25100	43.26
554	90	0.16	3089	5.32	**601**	241	0.42	9958	17.16	**648**	406	0.70	25506	43.96
555	90	0.16	3179	5.48	**602**	223	0.38	10181	17.55	**649**	423	0.73	25929	44.69
556	85	0.15	3264	5.63	**603**	221	0.38	10402	17.93	**650**	423	0.73	26352	45.41
557	83	0.14	3347	5.77	**604**	263	0.45	10665	18.38	**651**	449	0.77	26801	46.19
558	90	0.16	3437	5.92	**605**	233	0.40	10898	18.78	**652**	403	0.69	27204	46.88
559	91	0.16	3528	6.08	**606**	238	0.41	11136	19.19	**653**	428	0.74	27632	47.62
560	100	0.17	3628	6.25	**607**	241	0.42	11377	19.61	**654**	395	0.68	28027	48.30
561	106	0.18	3734	6.44	**608**	258	0.44	11635	20.05	**655**	420	0.72	28447	49.02
562	93	0.16	3827	6.60	**609**	277	0.48	11912	20.53	**656**	424	0.73	28871	49.76
563	112	0.19	3939	6.79	**610**	248	0.43	12160	20.96	**657**	410	0.71	29281	50.46
564	106	0.18	4045	6.97	**611**	265	0.46	12425	21.41	**658**	454	0.78	29735	51.24

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Table 179. Scale Score Distribution, Reading Grade 8 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
659	462	0.80	30197	52.04	**706**	283	0.49	48524	83.62	**753**	79	0.14	56451	97.29
660	443	0.76	30640	52.80	**707**	279	0.48	48803	84.11	**754**	91	0.16	56542	97.44
661	409	0.70	31049	53.51	**708**	293	0.50	49096	84.61	**755**	69	0.12	56611	97.56
662	439	0.76	31488	54.27	**709**	259	0.45	49355	85.06	**756**	68	0.12	56679	97.68
663	435	0.75	31923	55.01	**710**	276	0.48	49631	85.53	**757**	61	0.11	56740	97.78
664	434	0.75	32357	55.76	**711**	272	0.47	49903	86.00	**758**	61	0.11	56801	97.89
665	430	0.74	32787	56.50	**712**	246	0.42	50149	86.43	**759**	57	0.10	56858	97.99
666	409	0.70	33196	57.21	**713**	248	0.43	50397	86.85	**760**	65	0.11	56923	98.10
667	454	0.78	33650	57.99	**714**	253	0.44	50650	87.29	**761**	59	0.10	56982	98.20
668	439	0.76	34089	58.75	**715**	240	0.41	50890	87.70	**762**	46	0.08	57028	98.28
669	450	0.78	34539	59.52	**716**	252	0.43	51142	88.14	**763**	47	0.08	57075	98.36
670	413	0.71	34952	60.24	**717**	239	0.41	51381	88.55	**764**	56	0.10	57131	98.46
671	438	0.75	35390	60.99	**718**	235	0.40	51616	88.95	**765**	46	0.08	57177	98.54
672	422	0.73	35812	61.72	**719**	244	0.42	51860	89.37	**766**	44	0.08	57221	98.61
673	398	0.69	36210	62.40	**720**	230	0.40	52090	89.77	**767**	44	0.08	57265	98.69
674	421	0.73	36631	63.13	**721**	194	0.33	52284	90.10	**768**	38	0.07	57303	98.75
675	422	0.73	37053	63.86	**722**	225	0.39	52509	90.49	**769**	43	0.07	57346	98.83
676	454	0.78	37507	64.64	**723**	193	0.33	52702	90.82	**770**	31	0.05	57377	98.88
677	433	0.75	37940	65.38	**724**	185	0.32	52887	91.14	**771**	31	0.05	57408	98.93
678	419	0.72	38359	66.11	**725**	193	0.33	53080	91.48	**772**	26	0.04	57434	98.98
679	421	0.73	38780	66.83	**726**	191	0.33	53271	91.81	**773**	33	0.06	57467	99.04
680	416	0.72	39196	67.55	**727**	189	0.33	53460	92.13	**774**	28	0.05	57495	99.08
681	422	0.73	39618	68.28	**728**	157	0.27	53617	92.40	**775**	28	0.05	57523	99.13
682	382	0.66	40000	68.93	**729**	149	0.26	53766	92.66	**776**	22	0.04	57545	99.17
683	404	0.70	40404	69.63	**730**	142	0.24	53908	92.90	**777**	30	0.05	57575	99.22
684	431	0.74	40835	70.37	**731**	163	0.28	54071	93.18	**778**	19	0.03	57594	99.26
685	384	0.66	41219	71.04	**732**	169	0.29	54240	93.48	**779**	19	0.03	57613	99.29
686	380	0.65	41599	71.69	**733**	125	0.22	54365	93.69	**780**	27	0.05	57640	99.33
687	384	0.66	41983	72.35	**734**	137	0.24	54502	93.93	**781**	21	0.04	57661	99.37
688	362	0.62	42345	72.98	**735**	152	0.26	54654	94.19	**782**	16	0.03	57677	99.40
689	376	0.65	42721	73.62	**736**	142	0.24	54796	94.43	**783**	14	0.02	57691	99.42
690	402	0.69	43123	74.32	**737**	141	0.24	54937	94.68	**784**	16	0.03	57707	99.45
691	385	0.66	43508	74.98	**738**	134	0.23	55071	94.91	**785**	15	0.03	57722	99.48
692	380	0.65	43888	75.64	**739**	121	0.21	55192	95.12	**786**	19	0.03	57741	99.51
693	354	0.61	44242	76.25	**740**	130	0.22	55322	95.34	**787**	13	0.02	57754	99.53
694	370	0.64	44612	76.88	**741**	91	0.16	55413	95.50	**788**	8	0.01	57762	99.55
695	358	0.62	44970	77.50	**742**	108	0.19	55521	95.68	**789**	13	0.02	57775	99.57
696	385	0.66	45355	78.16	**743**	105	0.18	55626	95.86	**790**	12	0.02	57787	99.59
697	359	0.62	45714	78.78	**744**	114	0.20	55740	96.06	**791**	12	0.02	57799	99.61
698	361	0.62	46075	79.40	**745**	93	0.16	55833	96.22	**792**	8	0.01	57807	99.62
699	321	0.55	46396	79.96	**746**	78	0.13	55911	96.36	**793**	13	0.02	57820	99.64
700	318	0.55	46714	80.51	**747**	71	0.12	55982	96.48	**794**	6	0.01	57826	99.66
701	309	0.53	47023	81.04	**748**	85	0.15	56067	96.62	**795**	7	0.01	57833	99.67
702	324	0.56	47347	81.60	**749**	76	0.13	56143	96.75	**796**	9	0.02	57842	99.68
703	288	0.50	47635	82.09	**750**	80	0.14	56223	96.89	**797**	10	0.02	57852	99.70
704	310	0.53	47945	82.63	**751**	68	0.12	56291	97.01	**798**	6	0.01	57858	99.71
705	296	0.51	48241	83.14	**752**	81	0.14	56372	97.15	**799**	7	0.01	57865	99.72

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Table 179. Scale Score Distribution, Reading Grade 8 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
800	7	0.01	57872	99.73	**878**	2	0.00	58021	99.99
801	7	0.01	57879	99.75	**881**	1	0.00	58022	99.99
802	7	0.01	57886	99.76	**893**	1	0.00	58023	99.99
803	6	0.01	57892	99.77	**898**	2	0.00	58025	100.00
804	8	0.01	57900	99.78	**976**	1	0.00	58026	100.00
805	8	0.01	57908	99.80					
806	5	0.01	57913	99.81					
807	7	0.01	57920	99.82					
808	6	0.01	57926	99.83					
809	8	0.01	57934	99.84					
810	5	0.01	57939	99.85					
811	5	0.01	57944	99.86					
812	4	0.01	57948	99.87					
813	2	0.00	57950	99.87					
814	4	0.01	57954	99.88					
815	2	0.00	57956	99.88					
816	1	0.00	57957	99.88					
817	1	0.00	57958	99.88					
818	4	0.01	57962	99.89					
819	1	0.00	57963	99.89					
820	7	0.01	57970	99.90					
822	4	0.01	57974	99.91					
824	2	0.00	57976	99.91					
825	5	0.01	57981	99.92					
826	2	0.00	57983	99.93					
827	4	0.01	57987	99.93					
829	1	0.00	57988	99.93					
830	1	0.00	57989	99.94					
831	2	0.00	57991	99.94					
832	3	0.01	57994	99.94					
833	1	0.00	57995	99.95					
835	3	0.01	57998	99.95					
836	1	0.00	57999	99.95					
838	2	0.00	58001	99.96					
840	1	0.00	58002	99.96					
843	1	0.00	58003	99.96					
844	1	0.00	58004	99.96					
845	3	0.01	58007	99.97					
846	1	0.00	58008	99.97					
847	2	0.00	58010	99.97					
848	1	0.00	58011	99.97					
850	1	0.00	58012	99.98					
851	1	0.00	58013	99.98					
853	3	0.01	58016	99.98					
854	1	0.00	58017	99.98					
860	1	0.00	58018	99.99					
862	1	0.00	58019	99.99					

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Table 180. Scale Score Distribution, Writing Grade 8

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
250	28	0.05	28	0.05	**335**	2	0.00	113	0.19	**382**	14	0.02	457	0.79
254	1	0.00	29	0.05	**336**	3	0.01	116	0.20	**383**	13	0.02	470	0.81
255	2	0.00	31	0.05	**337**	3	0.01	119	0.21	**384**	9	0.02	479	0.83
262	1	0.00	32	0.06	**338**	2	0.00	121	0.21	**385**	11	0.02	490	0.84
263	1	0.00	33	0.06	**339**	5	0.01	126	0.22	**386**	20	0.03	510	0.88
264	1	0.00	34	0.06	**340**	4	0.01	130	0.22	**387**	19	0.03	529	0.91
268	1	0.00	35	0.06	**341**	4	0.01	134	0.23	**388**	14	0.02	543	0.94
270	1	0.00	36	0.06	**342**	4	0.01	138	0.24	**389**	20	0.03	563	0.97
276	1	0.00	37	0.06	**343**	5	0.01	143	0.25	**390**	6	0.01	569	0.98
279	3	0.01	40	0.07	**344**	3	0.01	146	0.25	**391**	15	0.03	584	1.01
281	1	0.00	41	0.07	**345**	3	0.01	149	0.26	**392**	14	0.02	598	1.03
285	1	0.00	42	0.07	**346**	4	0.01	153	0.26	**393**	26	0.04	624	1.08
287	1	0.00	43	0.07	**347**	2	0.00	155	0.27	**394**	16	0.03	640	1.10
288	2	0.00	45	0.08	**348**	2	0.00	157	0.27	**395**	21	0.04	661	1.14
289	1	0.00	46	0.08	**349**	10	0.02	167	0.29	**396**	8	0.01	669	1.15
291	2	0.00	48	0.08	**350**	4	0.01	171	0.29	**397**	17	0.03	686	1.18
293	1	0.00	49	0.08	**351**	4	0.01	175	0.30	**398**	22	0.04	708	1.22
295	1	0.00	50	0.09	**352**	8	0.01	183	0.32	**399**	23	0.04	731	1.26
296	1	0.00	51	0.09	**353**	5	0.01	188	0.32	**400**	24	0.04	755	1.30
297	1	0.00	52	0.09	**354**	5	0.01	193	0.33	**401**	20	0.03	775	1.34
299	1	0.00	53	0.09	**355**	9	0.02	202	0.35	**402**	12	0.02	787	1.36
301	3	0.01	56	0.10	**356**	11	0.02	213	0.37	**403**	23	0.04	810	1.40
302	1	0.00	57	0.10	**357**	6	0.01	219	0.38	**404**	28	0.05	838	1.44
303	1	0.00	58	0.10	**358**	9	0.02	228	0.39	**405**	21	0.04	859	1.48
304	2	0.00	60	0.10	**359**	7	0.01	235	0.41	**406**	21	0.04	880	1.52
305	1	0.00	61	0.11	**360**	8	0.01	243	0.42	**407**	23	0.04	903	1.56
307	2	0.00	63	0.11	**361**	5	0.01	248	0.43	**408**	25	0.04	928	1.60
308	1	0.00	64	0.11	**362**	2	0.00	250	0.43	**409**	22	0.04	950	1.64
309	1	0.00	65	0.11	**363**	6	0.01	256	0.44	**410**	36	0.06	986	1.70
310	2	0.00	67	0.12	**364**	9	0.02	265	0.46	**411**	37	0.06	1023	1.76
312	2	0.00	69	0.12	**365**	13	0.02	278	0.48	**412**	19	0.03	1042	1.80
313	2	0.00	71	0.12	**366**	4	0.01	282	0.49	**413**	21	0.04	1063	1.83
314	2	0.00	73	0.13	**367**	10	0.02	292	0.50	**414**	27	0.05	1090	1.88
315	2	0.00	75	0.13	**368**	13	0.02	305	0.53	**415**	28	0.05	1118	1.93
316	4	0.01	79	0.14	**369**	11	0.02	316	0.54	**416**	32	0.06	1150	1.98
317	1	0.00	80	0.14	**370**	13	0.02	329	0.57	**417**	25	0.04	1175	2.03
319	3	0.01	83	0.14	**371**	8	0.01	337	0.58	**418**	31	0.05	1206	2.08
321	1	0.00	84	0.14	**372**	14	0.02	351	0.61	**419**	33	0.06	1239	2.14
325	2	0.00	86	0.15	**373**	7	0.01	358	0.62	**420**	31	0.05	1270	2.19
326	3	0.01	89	0.15	**374**	10	0.02	368	0.63	**421**	35	0.06	1305	2.25
328	5	0.01	94	0.16	**375**	4	0.01	372	0.64	**422**	34	0.06	1339	2.31
329	1	0.00	95	0.16	**376**	15	0.03	387	0.67	**423**	46	0.08	1385	2.39
330	3	0.01	98	0.17	**377**	8	0.01	395	0.68	**424**	43	0.07	1428	2.46
331	3	0.01	101	0.17	**378**	13	0.02	408	0.70	**425**	38	0.07	1466	2.53
332	4	0.01	105	0.18	**379**	9	0.02	417	0.72	**426**	35	0.06	1501	2.59
333	4	0.01	109	0.19	**380**	10	0.02	427	0.74	**427**	52	0.09	1553	2.68
334	2	0.00	111	0.19	**381**	16	0.03	443	0.76	**428**	47	0.08	1600	2.76

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Table 180. Scale Score Distribution, Writing Grade 8 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
429	45	0.08	1645	2.84	**476**	134	0.23	6193	10.67	**523**	285	0.49	16050	27.66
430	64	0.11	1709	2.95	**477**	141	0.24	6334	10.92	**524**	297	0.51	16347	28.18
431	52	0.09	1761	3.04	**478**	144	0.25	6478	11.17	**525**	299	0.52	16646	28.69
432	58	0.10	1819	3.14	**479**	145	0.25	6623	11.42	**526**	293	0.51	16939	29.20
433	64	0.11	1883	3.25	**480**	142	0.24	6765	11.66	**527**	284	0.49	17223	29.69
434	57	0.10	1940	3.34	**481**	149	0.26	6914	11.92	**528**	268	0.46	17491	30.15
435	53	0.09	1993	3.44	**482**	141	0.24	7055	12.16	**529**	309	0.53	17800	30.68
436	66	0.11	2059	3.55	**483**	171	0.29	7226	12.46	**530**	288	0.50	18088	31.18
437	64	0.11	2123	3.66	**484**	160	0.28	7386	12.73	**531**	304	0.52	18392	31.70
438	65	0.11	2188	3.77	**485**	137	0.24	7523	12.97	**532**	319	0.55	18711	32.25
439	62	0.11	2250	3.88	**486**	171	0.29	7694	13.26	**533**	306	0.53	19017	32.78
440	70	0.12	2320	4.00	**487**	192	0.33	7886	13.59	**534**	285	0.49	19302	33.27
441	68	0.12	2388	4.12	**488**	176	0.30	8062	13.90	**535**	306	0.53	19608	33.80
442	76	0.13	2464	4.25	**489**	158	0.27	8220	14.17	**536**	318	0.55	19926	34.35
443	71	0.12	2535	4.37	**490**	198	0.34	8418	14.51	**537**	332	0.57	20258	34.92
444	76	0.13	2611	4.50	**491**	191	0.33	8609	14.84	**538**	300	0.52	20558	35.44
445	79	0.14	2690	4.64	**492**	177	0.31	8786	15.14	**539**	334	0.58	20892	36.01
446	68	0.12	2758	4.75	**493**	179	0.31	8965	15.45	**540**	327	0.56	21219	36.57
447	70	0.12	2828	4.87	**494**	191	0.33	9156	15.78	**541**	323	0.56	21542	37.13
448	93	0.16	2921	5.03	**495**	210	0.36	9366	16.14	**542**	332	0.57	21874	37.70
449	87	0.15	3008	5.18	**496**	211	0.36	9577	16.51	**543**	343	0.59	22217	38.29
450	99	0.17	3107	5.36	**497**	193	0.33	9770	16.84	**544**	327	0.56	22544	38.86
451	93	0.16	3200	5.52	**498**	226	0.39	9996	17.23	**545**	363	0.63	22907	39.48
452	98	0.17	3298	5.68	**499**	186	0.32	10182	17.55	**546**	362	0.62	23269	40.11
453	100	0.17	3398	5.86	**500**	215	0.37	10397	17.92	**547**	329	0.57	23598	40.67
454	96	0.17	3494	6.02	**501**	213	0.37	10610	18.29	**548**	357	0.62	23955	41.29
455	100	0.17	3594	6.19	**502**	209	0.36	10819	18.65	**549**	343	0.59	24298	41.88
456	93	0.16	3687	6.36	**503**	221	0.38	11040	19.03	**550**	333	0.57	24631	42.46
457	112	0.19	3799	6.55	**504**	217	0.37	11257	19.40	**551**	295	0.51	24926	42.96
458	98	0.17	3897	6.72	**505**	231	0.40	11488	19.80	**552**	351	0.61	25277	43.57
459	93	0.16	3990	6.88	**506**	229	0.39	11717	20.20	**553**	331	0.57	25608	44.14
460	106	0.18	4096	7.06	**507**	228	0.39	11945	20.59	**554**	332	0.57	25940	44.71
461	103	0.18	4199	7.24	**508**	224	0.39	12169	20.98	**555**	343	0.59	26283	45.30
462	118	0.20	4317	7.44	**509**	236	0.41	12405	21.38	**556**	347	0.60	26630	45.90
463	110	0.19	4427	7.63	**510**	230	0.40	12635	21.78	**557**	332	0.57	26962	46.47
464	114	0.20	4541	7.83	**511**	249	0.43	12884	22.21	**558**	340	0.59	27302	47.06
465	141	0.24	4682	8.07	**512**	259	0.45	13143	22.65	**559**	371	0.64	27673	47.70
466	127	0.22	4809	8.29	**513**	237	0.41	13380	23.06	**560**	333	0.57	28006	48.27
467	133	0.23	4942	8.52	**514**	268	0.46	13648	23.52	**561**	348	0.60	28354	48.87
468	136	0.23	5078	8.75	**515**	225	0.39	13873	23.91	**562**	347	0.60	28701	49.47
469	140	0.24	5218	8.99	**516**	246	0.42	14119	24.34	**563**	341	0.59	29042	50.06
470	147	0.25	5365	9.25	**517**	269	0.46	14388	24.80	**564**	324	0.56	29366	50.62
471	147	0.25	5512	9.50	**518**	263	0.45	14651	25.25	**565**	336	0.58	29702	51.20
472	156	0.27	5668	9.77	**519**	303	0.52	14954	25.78	**566**	345	0.59	30047	51.79
473	129	0.22	5797	9.99	**520**	247	0.43	15201	26.20	**567**	345	0.59	30392	52.39
474	142	0.24	5939	10.24	**521**	278	0.48	15479	26.68	**568**	332	0.57	30724	52.96
475	120	0.21	6059	10.44	**522**	286	0.49	15765	27.17	**569**	349	0.60	31073	53.56

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Table 180. Scale Score Distribution, Writing Grade 8 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
570	328	0.57	31401	54.12	**617**	253	0.44	45390	78.24	**664**	137	0.24	53573	92.34
571	331	0.57	31732	54.70	**618**	207	0.36	45597	78.59	**665**	106	0.18	53679	92.52
572	360	0.62	32092	55.32	**619**	216	0.37	45813	78.97	**666**	115	0.20	53794	92.72
573	327	0.56	32419	55.88	**620**	234	0.40	46047	79.37	**667**	113	0.19	53907	92.92
574	329	0.57	32748	56.45	**621**	219	0.38	46266	79.75	**668**	111	0.19	54018	93.11
575	335	0.58	33083	57.02	**622**	230	0.40	46496	80.14	**669**	116	0.20	54134	93.31
576	331	0.57	33414	57.59	**623**	234	0.40	46730	80.55	**670**	88	0.15	54222	93.46
577	348	0.60	33762	58.19	**624**	247	0.43	46977	80.97	**671**	107	0.18	54329	93.64
578	341	0.59	34103	58.78	**625**	217	0.37	47194	81.35	**672**	71	0.12	54400	93.77
579	307	0.53	34410	59.31	**626**	232	0.40	47426	81.75	**673**	96	0.17	54496	93.93
580	323	0.56	34733	59.87	**627**	203	0.35	47629	82.10	**674**	77	0.13	54573	94.07
581	319	0.55	35052	60.42	**628**	204	0.35	47833	82.45	**675**	77	0.13	54650	94.20
582	312	0.54	35364	60.96	**629**	217	0.37	48050	82.82	**676**	77	0.13	54727	94.33
583	331	0.57	35695	61.53	**630**	223	0.38	48273	83.21	**677**	68	0.12	54795	94.45
584	316	0.54	36011	62.07	**631**	213	0.37	48486	83.57	**678**	77	0.13	54872	94.58
585	314	0.54	36325	62.61	**632**	206	0.36	48692	83.93	**679**	85	0.15	54957	94.73
586	309	0.53	36634	63.14	**633**	199	0.34	48891	84.27	**680**	83	0.14	55040	94.87
587	334	0.58	36968	63.72	**634**	174	0.30	49065	84.57	**681**	65	0.11	55105	94.98
588	308	0.53	37276	64.25	**635**	174	0.30	49239	84.87	**682**	88	0.15	55193	95.13
589	306	0.53	37582	64.78	**636**	160	0.28	49399	85.15	**683**	96	0.17	55289	95.30
590	320	0.55	37902	65.33	**637**	176	0.30	49575	85.45	**684**	61	0.11	55350	95.40
591	336	0.58	38238	65.91	**638**	202	0.35	49777	85.80	**685**	63	0.11	55413	95.51
592	282	0.49	38520	66.40	**639**	198	0.34	49975	86.14	**686**	87	0.15	55500	95.66
593	311	0.54	38831	66.93	**640**	174	0.30	50149	86.44	**687**	60	0.10	55560	95.77
594	313	0.54	39144	67.47	**641**	155	0.27	50304	86.71	**688**	58	0.10	55618	95.87
595	306	0.53	39450	68.00	**642**	180	0.31	50484	87.02	**689**	52	0.09	55670	95.96
596	322	0.56	39772	68.55	**643**	174	0.30	50658	87.32	**690**	54	0.09	55724	96.05
597	283	0.49	40055	69.04	**644**	164	0.28	50822	87.60	**691**	82	0.14	55806	96.19
598	288	0.50	40343	69.54	**645**	154	0.27	50976	87.87	**692**	62	0.11	55868	96.30
599	277	0.48	40620	70.02	**646**	180	0.31	51156	88.18	**693**	46	0.08	55914	96.38
600	286	0.49	40906	70.51	**647**	159	0.27	51315	88.45	**694**	55	0.09	55969	96.47
601	267	0.46	41173	70.97	**648**	152	0.26	51467	88.71	**695**	48	0.08	56017	96.55
602	274	0.47	41447	71.44	**649**	162	0.28	51629	88.99	**696**	74	0.13	56091	96.68
603	280	0.48	41727	71.92	**650**	149	0.26	51778	89.25	**697**	48	0.08	56139	96.76
604	246	0.42	41973	72.35	**651**	160	0.28	51938	89.52	**698**	59	0.10	56198	96.87
605	311	0.54	42284	72.88	**652**	112	0.19	52050	89.72	**699**	42	0.07	56240	96.94
606	282	0.49	42566	73.37	**653**	150	0.26	52200	89.98	**700**	48	0.08	56288	97.02
607	249	0.43	42815	73.80	**654**	139	0.24	52339	90.21	**701**	69	0.12	56357	97.14
608	258	0.44	43073	74.24	**655**	142	0.24	52481	90.46	**702**	30	0.05	56387	97.19
609	303	0.52	43376	74.77	**656**	135	0.23	52616	90.69	**703**	51	0.09	56438	97.28
610	253	0.44	43629	75.20	**657**	137	0.24	52753	90.93	**704**	50	0.09	56488	97.37
611	242	0.42	43871	75.62	**658**	122	0.21	52875	91.14	**705**	43	0.07	56531	97.44
612	242	0.42	44113	76.04	**659**	126	0.22	53001	91.36	**706**	28	0.05	56559	97.49
613	282	0.49	44395	76.52	**660**	103	0.18	53104	91.53	**707**	45	0.08	56604	97.57
614	258	0.44	44653	76.97	**661**	111	0.19	53215	91.72	**708**	33	0.06	56637	97.62
615	253	0.44	44906	77.40	**662**	102	0.18	53317	91.90	**709**	34	0.06	56671	97.68
616	231	0.40	45137	77.80	**663**	119	0.21	53436	92.11	**710**	26	0.04	56697	97.73

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Table 180. Scale Score Distribution, Writing Grade 8 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
711	28	0.05	56725	97.77	**758**	9	0.02	57605	99.29	**812**	1	0.00	57896	99.79
712	26	0.04	56751	97.82	**759**	6	0.01	57611	99.30	**813**	2	0.00	57898	99.80
713	46	0.08	56797	97.90	**760**	6	0.01	57617	99.31	**814**	2	0.00	57900	99.80
714	37	0.06	56834	97.96	**761**	32	0.06	57649	99.37	**816**	1	0.00	57901	99.80
715	18	0.03	56852	97.99	**762**	6	0.01	57655	99.38	**818**	6	0.01	57907	99.81
716	28	0.05	56880	98.04	**763**	10	0.02	57665	99.39	**820**	9	0.02	57916	99.83
717	42	0.07	56922	98.11	**764**	9	0.02	57674	99.41	**823**	2	0.00	57918	99.83
718	24	0.04	56946	98.16	**765**	5	0.01	57679	99.42	**824**	5	0.01	57923	99.84
719	34	0.06	56980	98.21	**766**	4	0.01	57683	99.43	**825**	4	0.01	57927	99.85
720	33	0.06	57013	98.27	**767**	8	0.01	57691	99.44	**828**	8	0.01	57935	99.86
721	23	0.04	57036	98.31	**768**	12	0.02	57703	99.46	**829**	2	0.00	57937	99.86
722	23	0.04	57059	98.35	**769**	10	0.02	57713	99.48	**830**	3	0.01	57940	99.87
723	21	0.04	57080	98.39	**770**	2	0.00	57715	99.48	**835**	3	0.01	57943	99.87
724	34	0.06	57114	98.45	**771**	4	0.01	57719	99.49	**839**	2	0.00	57945	99.88
725	13	0.02	57127	98.47	**772**	8	0.01	57727	99.50	**844**	2	0.00	57947	99.88
726	15	0.03	57142	98.49	**773**	7	0.01	57734	99.51	**847**	6	0.01	57953	99.89
727	22	0.04	57164	98.53	**774**	6	0.01	57740	99.52	**848**	1	0.00	57954	99.89
728	20	0.03	57184	98.57	**775**	4	0.01	57744	99.53	**851**	2	0.00	57956	99.90
729	12	0.02	57196	98.59	**776**	8	0.01	57752	99.54	**855**	6	0.01	57962	99.91
730	23	0.04	57219	98.63	**777**	7	0.01	57759	99.56	**861**	6	0.01	57968	99.92
731	10	0.02	57229	98.64	**778**	9	0.02	57768	99.57	**867**	1	0.00	57969	99.92
732	19	0.03	57248	98.68	**779**	7	0.01	57775	99.58	**875**	3	0.01	57972	99.92
733	16	0.03	57264	98.70	**780**	8	0.01	57783	99.60	**884**	7	0.01	57979	99.94
734	21	0.04	57285	98.74	**781**	4	0.01	57787	99.61	**891**	2	0.00	57981	99.94
735	14	0.02	57299	98.76	**782**	4	0.01	57791	99.61	**910**	35	0.06	58016	100.00
736	10	0.02	57309	98.78	**783**	7	0.01	57798	99.62					
737	21	0.04	57330	98.82	**784**	2	0.00	57800	99.63					
738	22	0.04	57352	98.86	**785**	5	0.01	57805	99.64					
739	11	0.02	57363	98.87	**786**	6	0.01	57811	99.65					
740	11	0.02	57374	98.89	**787**	2	0.00	57813	99.65					
741	9	0.02	57383	98.91	**788**	2	0.00	57815	99.65					
742	15	0.03	57398	98.93	**789**	3	0.01	57818	99.66					
743	12	0.02	57410	98.96	**790**	1	0.00	57819	99.66					
744	26	0.04	57436	99.00	**791**	3	0.01	57822	99.67					
745	11	0.02	57447	99.02	**792**	11	0.02	57833	99.68					
746	13	0.02	57460	99.04	**793**	5	0.01	57838	99.69					
747	15	0.03	57475	99.07	**794**	3	0.01	57841	99.70					
748	12	0.02	57487	99.09	**795**	10	0.02	57851	99.72					
749	8	0.01	57495	99.10	**796**	1	0.00	57852	99.72					
750	14	0.02	57509	99.13	**798**	2	0.00	57854	99.72					
751	13	0.02	57522	99.15	**799**	9	0.02	57863	99.74					
752	18	0.03	57540	99.18	**801**	4	0.01	57867	99.74					
753	26	0.04	57566	99.22	**802**	1	0.00	57868	99.74					
754	8	0.01	57574	99.24	**805**	5	0.01	57873	99.75					
755	8	0.01	57582	99.25	**806**	7	0.01	57880	99.77					
756	7	0.01	57589	99.26	**810**	14	0.02	57894	99.79					
757	7	0.01	57596	99.28	**811**	1	0.00	57895	99.79					

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Table 181. Scale Score Distribution, Mathematics Grade 8

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
310	175	0.30	175	0.30	**366**	6	0.01	302	0.52	**413**	19	0.03	812	1.40
313	3	0.01	178	0.31	**367**	2	0.00	304	0.52	**414**	19	0.03	831	1.43
315	1	0.00	179	0.31	**368**	8	0.01	312	0.54	**415**	20	0.03	851	1.47
317	3	0.01	182	0.31	**369**	3	0.01	315	0.54	**416**	22	0.04	873	1.50
318	1	0.00	183	0.32	**370**	3	0.01	318	0.55	**417**	17	0.03	890	1.53
319	1	0.00	184	0.32	**371**	7	0.01	325	0.56	**418**	25	0.04	915	1.58
320	1	0.00	185	0.32	**372**	7	0.01	332	0.57	**419**	23	0.04	938	1.62
321	1	0.00	186	0.32	**373**	5	0.01	337	0.58	**420**	19	0.03	957	1.65
322	1	0.00	187	0.32	**374**	10	0.02	347	0.60	**421**	26	0.04	983	1.69
323	1	0.00	188	0.32	**375**	9	0.02	356	0.61	**422**	23	0.04	1006	1.73
325	2	0.00	190	0.33	**376**	3	0.01	359	0.62	**423**	36	0.06	1042	1.79
327	4	0.01	194	0.33	**377**	8	0.01	367	0.63	**424**	28	0.05	1070	1.84
328	2	0.00	196	0.34	**378**	5	0.01	372	0.64	**425**	37	0.06	1107	1.91
329	1	0.00	197	0.34	**379**	13	0.02	385	0.66	**426**	23	0.04	1130	1.95
330	3	0.01	200	0.34	**380**	4	0.01	389	0.67	**427**	36	0.06	1166	2.01
331	3	0.01	203	0.35	**381**	6	0.01	395	0.68	**428**	27	0.05	1193	2.05
332	1	0.00	204	0.35	**382**	8	0.01	403	0.69	**429**	27	0.05	1220	2.10
333	1	0.00	205	0.35	**383**	8	0.01	411	0.71	**430**	27	0.05	1247	2.15
334	1	0.00	206	0.35	**384**	6	0.01	417	0.72	**431**	48	0.08	1295	2.23
336	2	0.00	208	0.36	**385**	8	0.01	425	0.73	**432**	30	0.05	1325	2.28
337	1	0.00	209	0.36	**386**	12	0.02	437	0.75	**433**	36	0.06	1361	2.34
338	3	0.01	212	0.37	**387**	7	0.01	444	0.76	**434**	44	0.08	1405	2.42
339	3	0.01	215	0.37	**388**	11	0.02	455	0.78	**435**	44	0.08	1449	2.50
340	6	0.01	221	0.38	**389**	13	0.02	468	0.81	**436**	41	0.07	1490	2.57
342	2	0.00	223	0.38	**390**	12	0.02	480	0.83	**437**	50	0.09	1540	2.65
343	5	0.01	228	0.39	**391**	13	0.02	493	0.85	**438**	41	0.07	1581	2.72
344	1	0.00	229	0.39	**392**	9	0.02	502	0.86	**439**	39	0.07	1620	2.79
345	3	0.01	232	0.40	**393**	7	0.01	509	0.88	**440**	41	0.07	1661	2.86
346	3	0.01	235	0.40	**394**	16	0.03	525	0.90	**441**	47	0.08	1708	2.94
347	4	0.01	239	0.41	**395**	13	0.02	538	0.93	**442**	57	0.10	1765	3.04
348	3	0.01	242	0.42	**396**	11	0.02	549	0.95	**443**	38	0.07	1803	3.11
349	3	0.01	245	0.42	**397**	11	0.02	560	0.96	**444**	45	0.08	1848	3.18
350	2	0.00	247	0.43	**398**	11	0.02	571	0.98	**445**	53	0.09	1901	3.27
352	1	0.00	248	0.43	**399**	20	0.03	591	1.02	**446**	44	0.08	1945	3.35
353	3	0.01	251	0.43	**400**	11	0.02	602	1.04	**447**	53	0.09	1998	3.44
354	2	0.00	253	0.44	**401**	8	0.01	610	1.05	**448**	42	0.07	2040	3.51
355	2	0.00	255	0.44	**402**	10	0.02	620	1.07	**449**	56	0.10	2096	3.61
356	6	0.01	261	0.45	**403**	19	0.03	639	1.10	**450**	52	0.09	2148	3.70
357	1	0.00	262	0.45	**404**	20	0.03	659	1.13	**451**	60	0.10	2208	3.80
358	4	0.01	266	0.46	**405**	16	0.03	675	1.16	**452**	58	0.10	2266	3.90
359	4	0.01	270	0.46	**406**	16	0.03	691	1.19	**453**	74	0.13	2340	4.03
360	2	0.00	272	0.47	**407**	16	0.03	707	1.22	**454**	54	0.09	2394	4.12
361	2	0.00	274	0.47	**408**	22	0.04	729	1.26	**455**	73	0.13	2467	4.25
362	4	0.01	278	0.48	**409**	17	0.03	746	1.28	**456**	84	0.14	2551	4.39
363	4	0.01	282	0.49	**410**	19	0.03	765	1.32	**457**	86	0.15	2637	4.54
364	8	0.01	290	0.50	**411**	12	0.02	777	1.34	**458**	65	0.11	2702	4.65
365	6	0.01	296	0.51	**412**	16	0.03	793	1.37	**459**	75	0.13	2777	4.78

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Table 181. Scale Score Distribution, Mathematics Grade 8 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
460	73	0.13	2850	4.91	**507**	178	0.31	8706	14.99	**554**	315	0.54	20526	35.35
461	83	0.14	2933	5.05	**508**	188	0.32	8894	15.32	**555**	335	0.58	20861	35.93
462	88	0.15	3021	5.20	**509**	198	0.34	9092	15.66	**556**	302	0.52	21163	36.45
463	99	0.17	3120	5.37	**510**	207	0.36	9299	16.01	**557**	351	0.60	21514	37.05
464	92	0.16	3212	5.53	**511**	204	0.35	9503	16.37	**558**	311	0.54	21825	37.59
465	87	0.15	3299	5.68	**512**	209	0.36	9712	16.73	**559**	341	0.59	22166	38.17
466	75	0.13	3374	5.81	**513**	199	0.34	9911	17.07	**560**	351	0.60	22517	38.78
467	94	0.16	3468	5.97	**514**	196	0.34	10107	17.41	**561**	309	0.53	22826	39.31
468	84	0.14	3552	6.12	**515**	204	0.35	10311	17.76	**562**	324	0.56	23150	39.87
469	88	0.15	3640	6.27	**516**	202	0.35	10513	18.11	**563**	315	0.54	23465	40.41
470	90	0.15	3730	6.42	**517**	191	0.33	10704	18.43	**564**	358	0.62	23823	41.03
471	81	0.14	3811	6.56	**518**	204	0.35	10908	18.79	**565**	369	0.64	24192	41.66
472	113	0.19	3924	6.76	**519**	207	0.36	11115	19.14	**566**	354	0.61	24546	42.27
473	100	0.17	4024	6.93	**520**	211	0.36	11326	19.51	**567**	335	0.58	24881	42.85
474	100	0.17	4124	7.10	**521**	218	0.38	11544	19.88	**568**	344	0.59	25225	43.44
475	120	0.21	4244	7.31	**522**	227	0.39	11771	20.27	**569**	356	0.61	25581	44.06
476	97	0.17	4341	7.48	**523**	238	0.41	12009	20.68	**570**	348	0.60	25929	44.66
477	90	0.15	4431	7.63	**524**	220	0.38	12229	21.06	**571**	352	0.61	26281	45.26
478	105	0.18	4536	7.81	**525**	208	0.36	12437	21.42	**572**	332	0.57	26613	45.83
479	131	0.23	4667	8.04	**526**	237	0.41	12674	21.83	**573**	354	0.61	26967	46.44
480	113	0.19	4780	8.23	**527**	269	0.46	12943	22.29	**574**	379	0.65	27346	47.10
481	122	0.21	4902	8.44	**528**	244	0.42	13187	22.71	**575**	370	0.64	27716	47.73
482	133	0.23	5035	8.67	**529**	235	0.40	13422	23.12	**576**	359	0.62	28075	48.35
483	119	0.20	5154	8.88	**530**	258	0.44	13680	23.56	**577**	351	0.60	28426	48.96
484	117	0.20	5271	9.08	**531**	247	0.43	13927	23.99	**578**	349	0.60	28775	49.56
485	136	0.23	5407	9.31	**532**	244	0.42	14171	24.41	**579**	362	0.62	29137	50.18
486	130	0.22	5537	9.54	**533**	248	0.43	14419	24.83	**580**	338	0.58	29475	50.76
487	140	0.24	5677	9.78	**534**	309	0.53	14728	25.36	**581**	324	0.56	29799	51.32
488	125	0.22	5802	9.99	**535**	258	0.44	14986	25.81	**582**	346	0.60	30145	51.92
489	134	0.23	5936	10.22	**536**	252	0.43	15238	26.24	**583**	399	0.69	30544	52.60
490	142	0.24	6078	10.47	**537**	287	0.49	15525	26.74	**584**	335	0.58	30879	53.18
491	139	0.24	6217	10.71	**538**	293	0.50	15818	27.24	**585**	347	0.60	31226	53.78
492	139	0.24	6356	10.95	**539**	272	0.47	16090	27.71	**586**	354	0.61	31580	54.39
493	128	0.22	6484	11.17	**540**	285	0.49	16375	28.20	**587**	363	0.63	31943	55.01
494	155	0.27	6639	11.43	**541**	256	0.44	16631	28.64	**588**	390	0.67	32333	55.68
495	140	0.24	6779	11.67	**542**	296	0.51	16927	29.15	**589**	364	0.63	32697	56.31
496	163	0.28	6942	11.96	**543**	315	0.54	17242	29.69	**590**	354	0.61	33051	56.92
497	149	0.26	7091	12.21	**544**	271	0.47	17513	30.16	**591**	344	0.59	33395	57.51
498	162	0.28	7253	12.49	**545**	271	0.47	17784	30.63	**592**	353	0.61	33748	58.12
499	140	0.24	7393	12.73	**546**	325	0.56	18109	31.19	**593**	351	0.60	34099	58.73
500	159	0.27	7552	13.01	**547**	277	0.48	18386	31.66	**594**	388	0.67	34487	59.39
501	152	0.26	7704	13.27	**548**	316	0.54	18702	32.21	**595**	315	0.54	34802	59.94
502	179	0.31	7883	13.58	**549**	294	0.51	18996	32.72	**596**	364	0.63	35166	60.56
503	144	0.25	8027	13.82	**550**	296	0.51	19292	33.22	**597**	364	0.63	35530	61.19
504	166	0.29	8193	14.11	**551**	289	0.50	19581	33.72	**598**	351	0.60	35881	61.79
505	166	0.29	8359	14.40	**552**	307	0.53	19888	34.25	**599**	333	0.57	36214	62.37
506	169	0.29	8528	14.69	**553**	323	0.56	20211	34.81	**600**	345	0.59	36559	62.96

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Table 181. Scale Score Distribution, Mathematics Grade 8 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
601	334	0.58	36893	63.54	**648**	209	0.36	50510	86.99	**695**	64	0.11	56644	97.55
602	338	0.58	37231	64.12	**649**	217	0.37	50727	87.36	**696**	53	0.09	56697	97.64
603	341	0.59	37572	64.71	**650**	229	0.39	50956	87.76	**697**	57	0.10	56754	97.74
604	356	0.61	37928	65.32	**651**	232	0.40	51188	88.16	**698**	50	0.09	56804	97.83
605	341	0.59	38269	65.91	**652**	209	0.36	51397	88.52	**699**	51	0.09	56855	97.92
606	355	0.61	38624	66.52	**653**	201	0.35	51598	88.86	**700**	44	0.08	56899	97.99
607	350	0.60	38974	67.12	**654**	192	0.33	51790	89.19	**701**	57	0.10	56956	98.09
608	335	0.58	39309	67.70	**655**	212	0.37	52002	89.56	**702**	26	0.04	56982	98.13
609	347	0.60	39656	68.30	**656**	180	0.31	52182	89.87	**703**	44	0.08	57026	98.21
610	307	0.53	39963	68.82	**657**	146	0.25	52328	90.12	**704**	44	0.08	57070	98.29
611	363	0.63	40326	69.45	**658**	171	0.29	52499	90.41	**705**	34	0.06	57104	98.34
612	338	0.58	40664	70.03	**659**	190	0.33	52689	90.74	**706**	41	0.07	57145	98.42
613	346	0.60	41010	70.63	**660**	193	0.33	52882	91.07	**707**	33	0.06	57178	98.47
614	326	0.56	41336	71.19	**661**	155	0.27	53037	91.34	**708**	30	0.05	57208	98.52
615	329	0.57	41665	71.76	**662**	174	0.30	53211	91.64	**709**	45	0.08	57253	98.60
616	309	0.53	41974	72.29	**663**	165	0.28	53376	91.92	**710**	29	0.05	57282	98.65
617	343	0.59	42317	72.88	**664**	164	0.28	53540	92.21	**711**	34	0.06	57316	98.71
618	291	0.50	42608	73.38	**665**	156	0.27	53696	92.48	**712**	25	0.04	57341	98.75
619	318	0.55	42926	73.93	**666**	156	0.27	53852	92.74	**713**	23	0.04	57364	98.79
620	301	0.52	43227	74.45	**667**	128	0.22	53980	92.96	**714**	25	0.04	57389	98.84
621	297	0.51	43524	74.96	**668**	127	0.22	54107	93.18	**715**	35	0.06	57424	98.90
622	302	0.52	43826	75.48	**669**	134	0.23	54241	93.41	**716**	31	0.05	57455	98.95
623	284	0.49	44110	75.97	**670**	142	0.24	54383	93.66	**717**	24	0.04	57479	98.99
624	291	0.50	44401	76.47	**671**	110	0.19	54493	93.85	**718**	18	0.03	57497	99.02
625	294	0.51	44695	76.97	**672**	136	0.23	54629	94.08	**719**	22	0.04	57519	99.06
626	289	0.50	44984	77.47	**673**	128	0.22	54757	94.30	**720**	14	0.02	57533	99.08
627	281	0.48	45265	77.96	**674**	106	0.18	54863	94.49	**721**	22	0.04	57555	99.12
628	302	0.52	45567	78.48	**675**	101	0.17	54964	94.66	**722**	20	0.03	57575	99.16
629	303	0.52	45870	79.00	**676**	105	0.18	55069	94.84	**723**	7	0.01	57582	99.17
630	298	0.51	46168	79.51	**677**	92	0.16	55161	95.00	**724**	25	0.04	57607	99.21
631	261	0.45	46429	79.96	**678**	106	0.18	55267	95.18	**725**	11	0.02	57618	99.23
632	269	0.46	46698	80.42	**679**	90	0.15	55357	95.34	**726**	13	0.02	57631	99.25
633	266	0.46	46964	80.88	**680**	98	0.17	55455	95.51	**727**	19	0.03	57650	99.29
634	243	0.42	47207	81.30	**681**	93	0.16	55548	95.67	**728**	13	0.02	57663	99.31
635	259	0.45	47466	81.75	**682**	110	0.19	55658	95.85	**729**	14	0.02	57677	99.33
636	289	0.50	47755	82.24	**683**	97	0.17	55755	96.02	**730**	23	0.04	57700	99.37
637	254	0.44	48009	82.68	**684**	76	0.13	55831	96.15	**731**	12	0.02	57712	99.39
638	242	0.42	48251	83.10	**685**	96	0.17	55927	96.32	**732**	13	0.02	57725	99.41
639	237	0.41	48488	83.51	**686**	74	0.13	56001	96.45	**733**	14	0.02	57739	99.44
640	245	0.42	48733	83.93	**687**	74	0.13	56075	96.57	**734**	16	0.03	57755	99.47
641	251	0.43	48984	84.36	**688**	71	0.12	56146	96.70	**735**	14	0.02	57769	99.49
642	217	0.37	49201	84.73	**689**	77	0.13	56223	96.83	**736**	13	0.02	57782	99.51
643	265	0.46	49466	85.19	**690**	79	0.14	56302	96.96	**737**	9	0.02	57791	99.53
644	236	0.41	49702	85.60	**691**	84	0.14	56386	97.11	**738**	14	0.02	57805	99.55
645	223	0.38	49925	85.98	**692**	62	0.11	56448	97.22	**739**	5	0.01	57810	99.56
646	183	0.32	50108	86.30	**693**	67	0.12	56515	97.33	**740**	10	0.02	57820	99.58
647	193	0.33	50301	86.63	**694**	65	0.11	56580	97.44	**741**	10	0.02	57830	99.60

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Table 181. Scale Score Distribution, Mathematics Grade 8 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
742	12	0.02	57842	99.62	**794**	3	0.01	58012	99.91
743	7	0.01	57849	99.63	**795**	2	0.00	58014	99.91
744	9	0.02	57858	99.64	**796**	3	0.01	58017	99.92
745	11	0.02	57869	99.66	**797**	1	0.00	58018	99.92
746	4	0.01	57873	99.67	**799**	1	0.00	58019	99.92
747	9	0.02	57882	99.68	**801**	1	0.00	58020	99.92
748	4	0.01	57886	99.69	**803**	1	0.00	58021	99.92
749	6	0.01	57892	99.70	**805**	2	0.00	58023	99.93
750	8	0.01	57900	99.72	**806**	3	0.01	58026	99.93
751	4	0.01	57904	99.72	**810**	2	0.00	58028	99.94
752	7	0.01	57911	99.73	**811**	1	0.00	58029	99.94
753	3	0.01	57914	99.74	**816**	1	0.00	58030	99.94
754	8	0.01	57922	99.75	**817**	2	0.00	58032	99.94
755	7	0.01	57929	99.77	**818**	2	0.00	58034	99.95
757	1	0.00	57930	99.77	**826**	2	0.00	58036	99.95
758	6	0.01	57936	99.78	**827**	1	0.00	58037	99.95
759	4	0.01	57940	99.78	**828**	1	0.00	58038	99.95
760	2	0.00	57942	99.79	**829**	1	0.00	58039	99.96
761	7	0.01	57949	99.80	**830**	1	0.00	58040	99.96
762	3	0.01	57952	99.81	**832**	2	0.00	58042	99.96
763	2	0.00	57954	99.81	**838**	1	0.00	58043	99.96
764	4	0.01	57958	99.82	**839**	1	0.00	58044	99.96
765	3	0.01	57961	99.82	**845**	1	0.00	58045	99.97
766	3	0.01	57964	99.83	**846**	2	0.00	58047	99.97
767	3	0.01	57967	99.83	**854**	1	0.00	58048	99.97
769	4	0.01	57971	99.84	**861**	3	0.01	58051	99.98
770	1	0.00	57972	99.84	**862**	2	0.00	58053	99.98
772	1	0.00	57973	99.84	**863**	1	0.00	58054	99.98
773	1	0.00	57974	99.84	**864**	1	0.00	58055	99.98
774	5	0.01	57979	99.85	**867**	1	0.00	58056	99.98
775	3	0.01	57982	99.86	**877**	1	0.00	58057	99.99
776	1	0.00	57983	99.86	**888**	1	0.00	58058	99.99
777	2	0.00	57985	99.86	**890**	7	0.01	58065	100.00
778	2	0.00	57987	99.87					
779	1	0.00	57988	99.87					
780	2	0.00	57990	99.87					
781	1	0.00	57991	99.87					
782	3	0.01	57994	99.88					
783	1	0.00	57995	99.88					
785	3	0.01	57998	99.88					
786	1	0.00	57999	99.89					
787	2	0.00	58001	99.89					
789	1	0.00	58002	99.89					
790	1	0.00	58003	99.89					
791	3	0.01	58006	99.90					
792	2	0.00	58008	99.90					
793	1	0.00	58009	99.90					

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Table 182. Scale Score Distribution, Science Grade 8

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
300	433	0.75	433	0.75	**347**	25	0.04	1146	1.98	**394**	87	0.15	3522	6.08
301	6	0.01	439	0.76	**348**	29	0.05	1175	2.03	**395**	86	0.15	3608	6.23
302	6	0.01	445	0.77	**349**	31	0.05	1206	2.08	**396**	90	0.16	3698	6.38
303	10	0.02	455	0.79	**350**	39	0.07	1245	2.15	**397**	85	0.15	3783	6.53
304	8	0.01	463	0.80	**351**	30	0.05	1275	2.20	**398**	89	0.15	3872	6.68
305	7	0.01	470	0.81	**352**	34	0.06	1309	2.26	**399**	72	0.12	3944	6.80
306	13	0.02	483	0.83	**353**	24	0.04	1333	2.30	**400**	95	0.16	4039	6.97
307	14	0.02	497	0.86	**354**	37	0.06	1370	2.36	**401**	101	0.17	4140	7.14
308	13	0.02	510	0.88	**355**	22	0.04	1392	2.40	**402**	96	0.17	4236	7.31
309	6	0.01	516	0.89	**356**	37	0.06	1429	2.47	**403**	92	0.16	4328	7.47
310	7	0.01	523	0.90	**357**	50	0.09	1479	2.55	**404**	97	0.17	4425	7.63
311	12	0.02	535	0.92	**358**	33	0.06	1512	2.61	**405**	111	0.19	4536	7.83
312	13	0.02	548	0.95	**359**	40	0.07	1552	2.68	**406**	117	0.20	4653	8.03
313	10	0.02	558	0.96	**360**	32	0.06	1584	2.73	**407**	116	0.20	4769	8.23
314	18	0.03	576	0.99	**361**	31	0.05	1615	2.79	**408**	127	0.22	4896	8.45
315	12	0.02	588	1.01	**362**	35	0.06	1650	2.85	**409**	111	0.19	5007	8.64
316	15	0.03	603	1.04	**363**	44	0.08	1694	2.92	**410**	110	0.19	5117	8.83
317	26	0.04	629	1.09	**364**	48	0.08	1742	3.01	**411**	124	0.21	5241	9.04
318	8	0.01	637	1.10	**365**	28	0.05	1770	3.05	**412**	130	0.22	5371	9.27
319	12	0.02	649	1.12	**366**	47	0.08	1817	3.14	**413**	120	0.21	5491	9.47
320	10	0.02	659	1.14	**367**	55	0.09	1872	3.23	**414**	123	0.21	5614	9.69
321	14	0.02	673	1.16	**368**	50	0.09	1922	3.32	**415**	135	0.23	5749	9.92
322	19	0.03	692	1.19	**369**	44	0.08	1966	3.39	**416**	119	0.21	5868	10.12
323	16	0.03	708	1.22	**370**	44	0.08	2010	3.47	**417**	125	0.22	5993	10.34
324	12	0.02	720	1.24	**371**	47	0.08	2057	3.55	**418**	135	0.23	6128	10.57
325	7	0.01	727	1.25	**372**	51	0.09	2108	3.64	**419**	140	0.24	6268	10.81
326	11	0.02	738	1.27	**373**	46	0.08	2154	3.72	**420**	154	0.27	6422	11.08
327	20	0.03	758	1.31	**374**	51	0.09	2205	3.80	**421**	123	0.21	6545	11.29
328	17	0.03	775	1.34	**375**	63	0.11	2268	3.91	**422**	135	0.23	6680	11.53
329	16	0.03	791	1.36	**376**	53	0.09	2321	4.00	**423**	157	0.27	6837	11.80
330	8	0.01	799	1.38	**377**	67	0.12	2388	4.12	**424**	140	0.24	6977	12.04
331	16	0.03	815	1.41	**378**	71	0.12	2459	4.24	**425**	144	0.25	7121	12.29
332	12	0.02	827	1.43	**379**	59	0.10	2518	4.34	**426**	153	0.26	7274	12.55
333	24	0.04	851	1.47	**380**	56	0.10	2574	4.44	**427**	152	0.26	7426	12.81
334	17	0.03	868	1.50	**381**	64	0.11	2638	4.55	**428**	151	0.26	7577	13.07
335	22	0.04	890	1.54	**382**	51	0.09	2689	4.64	**429**	156	0.27	7733	13.34
336	13	0.02	903	1.56	**383**	60	0.10	2749	4.74	**430**	161	0.28	7894	13.62
337	26	0.04	929	1.60	**384**	63	0.11	2812	4.85	**431**	179	0.31	8073	13.93
338	10	0.02	939	1.62	**385**	74	0.13	2886	4.98	**432**	151	0.26	8224	14.19
339	24	0.04	963	1.66	**386**	57	0.10	2943	5.08	**433**	167	0.29	8391	14.48
340	19	0.03	982	1.69	**387**	65	0.11	3008	5.19	**434**	174	0.30	8565	14.78
341	24	0.04	1006	1.74	**388**	62	0.11	3070	5.30	**435**	181	0.31	8746	15.09
342	22	0.04	1028	1.77	**389**	73	0.13	3143	5.42	**436**	187	0.32	8933	15.41
343	20	0.03	1048	1.81	**390**	70	0.12	3213	5.54	**437**	212	0.37	9145	15.78
344	17	0.03	1065	1.84	**391**	81	0.14	3294	5.68	**438**	183	0.32	9328	16.09
345	29	0.05	1094	1.89	**392**	54	0.09	3348	5.78	**439**	192	0.33	9520	16.43
346	27	0.05	1121	1.93	**393**	87	0.15	3435	5.93	**440**	185	0.32	9705	16.74

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Table 182. Scale Score Distribution, Science Grade 8 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
441	203	0.35	9908	17.10	**488**	337	0.58	22545	38.90	**535**	384	0.66	40233	69.42
442	182	0.31	10090	17.41	**489**	337	0.58	22882	39.48	**536**	432	0.75	40665	70.16
443	185	0.32	10275	17.73	**490**	330	0.57	23212	40.05	**537**	338	0.58	41003	70.75
444	183	0.32	10458	18.04	**491**	324	0.56	23536	40.61	**538**	388	0.67	41391	71.42
445	233	0.40	10691	18.45	**492**	345	0.60	23881	41.20	**539**	392	0.68	41783	72.09
446	210	0.36	10901	18.81	**493**	344	0.59	24225	41.80	**540**	368	0.63	42151	72.73
447	224	0.39	11125	19.19	**494**	386	0.67	24611	42.46	**541**	372	0.64	42523	73.37
448	223	0.38	11348	19.58	**495**	362	0.62	24973	43.09	**542**	353	0.61	42876	73.98
449	237	0.41	11585	19.99	**496**	382	0.66	25355	43.75	**543**	383	0.66	43259	74.64
450	203	0.35	11788	20.34	**497**	345	0.60	25700	44.34	**544**	363	0.63	43622	75.26
451	225	0.39	12013	20.73	**498**	364	0.63	26064	44.97	**545**	364	0.63	43986	75.89
452	233	0.40	12246	21.13	**499**	371	0.64	26435	45.61	**546**	330	0.57	44316	76.46
453	232	0.40	12478	21.53	**500**	403	0.70	26838	46.31	**547**	356	0.61	44672	77.08
454	251	0.43	12729	21.96	**501**	360	0.62	27198	46.93	**548**	331	0.57	45003	77.65
455	244	0.42	12973	22.38	**502**	360	0.62	27558	47.55	**549**	361	0.62	45364	78.27
456	248	0.43	13221	22.81	**503**	366	0.63	27924	48.18	**550**	369	0.64	45733	78.91
457	251	0.43	13472	23.24	**504**	389	0.67	28313	48.85	**551**	327	0.56	46060	79.47
458	237	0.41	13709	23.65	**505**	351	0.61	28664	49.46	**552**	314	0.54	46374	80.01
459	239	0.41	13948	24.07	**506**	400	0.69	29064	50.15	**553**	324	0.56	46698	80.57
460	237	0.41	14185	24.47	**507**	386	0.67	29450	50.81	**554**	346	0.60	47044	81.17
461	252	0.43	14437	24.91	**508**	376	0.65	29826	51.46	**555**	327	0.56	47371	81.73
462	262	0.45	14699	25.36	**509**	382	0.66	30208	52.12	**556**	341	0.59	47712	82.32
463	252	0.43	14951	25.80	**510**	424	0.73	30632	52.85	**557**	312	0.54	48024	82.86
464	258	0.45	15209	26.24	**511**	379	0.65	31011	53.51	**558**	316	0.55	48340	83.41
465	251	0.43	15460	26.67	**512**	398	0.69	31409	54.19	**559**	277	0.48	48617	83.88
466	246	0.42	15706	27.10	**513**	348	0.60	31757	54.79	**560**	315	0.54	48932	84.43
467	279	0.48	15985	27.58	**514**	367	0.63	32124	55.43	**561**	279	0.48	49211	84.91
468	250	0.43	16235	28.01	**515**	379	0.65	32503	56.08	**562**	273	0.47	49484	85.38
469	271	0.47	16506	28.48	**516**	395	0.68	32898	56.76	**563**	280	0.48	49764	85.86
470	298	0.51	16804	28.99	**517**	440	0.76	33338	57.52	**564**	250	0.43	50014	86.29
471	276	0.48	17080	29.47	**518**	388	0.67	33726	58.19	**565**	252	0.43	50266	86.73
472	299	0.52	17379	29.99	**519**	399	0.69	34125	58.88	**566**	298	0.51	50564	87.24
473	316	0.55	17695	30.53	**520**	380	0.66	34505	59.53	**567**	266	0.46	50830	87.70
474	313	0.54	18008	31.07	**521**	415	0.72	34920	60.25	**568**	239	0.41	51069	88.11
475	331	0.57	18339	31.64	**522**	370	0.64	35290	60.89	**569**	249	0.43	51318	88.54
476	301	0.52	18640	32.16	**523**	396	0.68	35686	61.57	**570**	208	0.36	51526	88.90
477	295	0.51	18935	32.67	**524**	400	0.69	36086	62.26	**571**	216	0.37	51742	89.27
478	280	0.48	19215	33.15	**525**	395	0.68	36481	62.94	**572**	218	0.38	51960	89.65
479	319	0.55	19534	33.70	**526**	379	0.65	36860	63.60	**573**	217	0.37	52177	90.03
480	339	0.58	19873	34.29	**527**	389	0.67	37249	64.27	**574**	222	0.38	52399	90.41
481	310	0.53	20183	34.82	**528**	423	0.73	37672	65.00	**575**	196	0.34	52595	90.75
482	357	0.62	20540	35.44	**529**	331	0.57	38003	65.57	**576**	194	0.33	52789	91.08
483	315	0.54	20855	35.98	**530**	355	0.61	38358	66.18	**577**	180	0.31	52969	91.39
484	335	0.58	21190	36.56	**531**	380	0.66	38738	66.84	**578**	184	0.32	53153	91.71
485	324	0.56	21514	37.12	**532**	363	0.63	39101	67.46	**579**	163	0.28	53316	91.99
486	348	0.60	21862	37.72	**533**	384	0.66	39485	68.13	**580**	185	0.32	53501	92.31
487	346	0.60	22208	38.32	**534**	364	0.63	39849	68.75	**581**	185	0.32	53686	92.63

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Table 182. Scale Score Distribution, Science Grade 8 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
582	166	0.29	53852	92.92	**629**	26	0.04	57621	99.42	**680**	1	0.00	57949	99.98
583	160	0.28	54012	93.19	**630**	20	0.03	57641	99.45	**681**	1	0.00	57950	99.99
584	181	0.31	54193	93.50	**631**	21	0.04	57662	99.49	**683**	1	0.00	57951	99.99
585	158	0.27	54351	93.78	**632**	16	0.03	57678	99.52	**686**	1	0.00	57952	99.99
586	154	0.27	54505	94.04	**633**	12	0.02	57690	99.54	**694**	1	0.00	57953	99.99
587	165	0.28	54670	94.33	**634**	17	0.03	57707	99.57	**699**	1	0.00	57954	99.99
588	156	0.27	54826	94.60	**635**	15	0.03	57722	99.59	**701**	1	0.00	57955	99.99
589	153	0.26	54979	94.86	**636**	15	0.03	57737	99.62	**702**	1	0.00	57956	100.00
590	144	0.25	55123	95.11	**637**	10	0.02	57747	99.64	**712**	1	0.00	57957	100.00
591	114	0.20	55237	95.31	**638**	13	0.02	57760	99.66	**722**	1	0.00	57958	100.00
592	123	0.21	55360	95.52	**639**	19	0.03	57779	99.69					
593	119	0.21	55479	95.72	**640**	12	0.02	57791	99.71					
594	113	0.19	55592	95.92	**641**	9	0.02	57800	99.73					
595	121	0.21	55713	96.13	**642**	13	0.02	57813	99.75					
596	111	0.19	55824	96.32	**643**	10	0.02	57823	99.77					
597	116	0.20	55940	96.52	**644**	9	0.02	57832	99.78					
598	106	0.18	56046	96.70	**645**	11	0.02	57843	99.80					
599	122	0.21	56168	96.91	**646**	7	0.01	57850	99.81					
600	89	0.15	56257	97.07	**647**	9	0.02	57859	99.83					
601	103	0.18	56360	97.24	**648**	6	0.01	57865	99.84					
602	83	0.14	56443	97.39	**649**	8	0.01	57873	99.85					
603	87	0.15	56530	97.54	**650**	9	0.02	57882	99.87					
604	76	0.13	56606	97.67	**651**	3	0.01	57885	99.87					
605	81	0.14	56687	97.81	**652**	6	0.01	57891	99.88					
606	69	0.12	56756	97.93	**653**	5	0.01	57896	99.89					
607	50	0.09	56806	98.01	**654**	2	0.00	57898	99.90					
608	61	0.11	56867	98.12	**655**	2	0.00	57900	99.90					
609	52	0.09	56919	98.21	**656**	5	0.01	57905	99.91					
610	55	0.09	56974	98.30	**657**	4	0.01	57909	99.92					
611	60	0.10	57034	98.41	**658**	2	0.00	57911	99.92					
612	52	0.09	57086	98.50	**659**	2	0.00	57913	99.92					
613	50	0.09	57136	98.58	**660**	4	0.01	57917	99.93					
614	47	0.08	57183	98.66	**661**	2	0.00	57919	99.93					
615	42	0.07	57225	98.74	**662**	2	0.00	57921	99.94					
616	47	0.08	57272	98.82	**664**	3	0.01	57924	99.94					
617	35	0.06	57307	98.88	**665**	2	0.00	57926	99.94					
618	35	0.06	57342	98.94	**666**	3	0.01	57929	99.95					
619	24	0.04	57366	98.98	**667**	1	0.00	57930	99.95					
620	34	0.06	57400	99.04	**668**	2	0.00	57932	99.96					
621	23	0.04	57423	99.08	**669**	2	0.00	57934	99.96					
622	33	0.06	57456	99.13	**670**	1	0.00	57935	99.96					
623	28	0.05	57484	99.18	**671**	2	0.00	57937	99.96					
624	25	0.04	57509	99.23	**672**	4	0.01	57941	99.97					
625	19	0.03	57528	99.26	**673**	3	0.01	57944	99.98					
626	32	0.06	57560	99.31	**675**	1	0.00	57945	99.98					
627	21	0.04	57581	99.35	**676**	2	0.00	57947	99.98					
628	14	0.02	57595	99.37	**677**	1	0.00	57948	99.98					

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Table 183. Scale Score Distribution, Reading Grade 9

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
350	133	0.23	133	0.23	**487**	2	0.00	226	0.38	**536**	25	0.04	797	1.35
394	1	0.00	134	0.23	**488**	3	0.01	229	0.39	**537**	28	0.05	825	1.40
396	1	0.00	135	0.23	**491**	3	0.01	232	0.39	**538**	27	0.05	852	1.45
406	1	0.00	136	0.23	**492**	3	0.01	235	0.40	**539**	27	0.05	879	1.49
409	1	0.00	137	0.23	**493**	5	0.01	240	0.41	**540**	27	0.05	906	1.54
410	1	0.00	138	0.23	**494**	6	0.01	246	0.42	**541**	38	0.06	944	1.60
413	1	0.00	139	0.24	**495**	6	0.01	252	0.43	**542**	37	0.06	981	1.67
414	2	0.00	141	0.24	**496**	5	0.01	257	0.44	**543**	46	0.08	1027	1.74
418	2	0.00	143	0.24	**497**	1	0.00	258	0.44	**544**	37	0.06	1064	1.81
419	1	0.00	144	0.24	**498**	4	0.01	262	0.44	**545**	42	0.07	1106	1.88
420	1	0.00	145	0.25	**499**	9	0.02	271	0.46	**546**	45	0.08	1151	1.95
427	1	0.00	146	0.25	**500**	5	0.01	276	0.47	**547**	34	0.06	1185	2.01
431	1	0.00	147	0.25	**501**	6	0.01	282	0.48	**548**	40	0.07	1225	2.08
435	6	0.01	153	0.26	**502**	4	0.01	286	0.49	**549**	33	0.06	1258	2.14
436	1	0.00	154	0.26	**503**	9	0.02	295	0.50	**550**	50	0.08	1308	2.22
437	1	0.00	155	0.26	**504**	8	0.01	303	0.51	**551**	56	0.10	1364	2.32
438	1	0.00	156	0.26	**505**	5	0.01	308	0.52	**552**	47	0.08	1411	2.40
440	2	0.00	158	0.27	**506**	11	0.02	319	0.54	**553**	51	0.09	1462	2.48
441	2	0.00	160	0.27	**507**	9	0.02	328	0.56	**554**	54	0.09	1516	2.57
443	2	0.00	162	0.28	**508**	7	0.01	335	0.57	**555**	48	0.08	1564	2.66
444	3	0.01	165	0.28	**509**	12	0.02	347	0.59	**556**	55	0.09	1619	2.75
446	1	0.00	166	0.28	**510**	13	0.02	360	0.61	**557**	62	0.11	1681	2.85
451	1	0.00	167	0.28	**511**	6	0.01	366	0.62	**558**	63	0.11	1744	2.96
458	1	0.00	168	0.29	**512**	10	0.02	376	0.64	**559**	62	0.11	1806	3.07
461	1	0.00	169	0.29	**513**	11	0.02	387	0.66	**560**	60	0.10	1866	3.17
462	2	0.00	171	0.29	**514**	14	0.02	401	0.68	**561**	77	0.13	1943	3.30
463	1	0.00	172	0.29	**515**	6	0.01	407	0.69	**562**	67	0.11	2010	3.41
464	1	0.00	173	0.29	**516**	7	0.01	414	0.70	**563**	81	0.14	2091	3.55
465	3	0.01	176	0.30	**517**	18	0.03	432	0.73	**564**	57	0.10	2148	3.65
466	2	0.00	178	0.30	**518**	16	0.03	448	0.76	**565**	65	0.11	2213	3.76
467	1	0.00	179	0.30	**519**	19	0.03	467	0.79	**566**	75	0.13	2288	3.89
468	3	0.01	182	0.31	**520**	8	0.01	475	0.81	**567**	79	0.13	2367	4.02
469	2	0.00	184	0.31	**521**	17	0.03	492	0.84	**568**	80	0.14	2447	4.16
471	1	0.00	185	0.31	**522**	7	0.01	499	0.85	**569**	76	0.13	2523	4.28
472	2	0.00	187	0.32	**523**	21	0.04	520	0.88	**570**	92	0.16	2615	4.44
475	3	0.01	190	0.32	**524**	16	0.03	536	0.91	**571**	81	0.14	2696	4.58
476	2	0.00	192	0.33	**525**	13	0.02	549	0.93	**572**	78	0.13	2774	4.71
477	1	0.00	193	0.33	**526**	16	0.03	565	0.96	**573**	91	0.15	2865	4.87
478	3	0.01	196	0.33	**527**	20	0.03	585	0.99	**574**	89	0.15	2954	5.02
479	4	0.01	200	0.34	**528**	18	0.03	603	1.02	**575**	91	0.15	3045	5.17
480	7	0.01	207	0.35	**529**	25	0.04	628	1.07	**576**	99	0.17	3144	5.34
481	2	0.00	209	0.35	**530**	18	0.03	646	1.10	**577**	102	0.17	3246	5.51
482	5	0.01	214	0.36	**531**	23	0.04	669	1.14	**578**	116	0.20	3362	5.71
483	1	0.00	215	0.37	**532**	18	0.03	687	1.17	**579**	115	0.20	3477	5.90
484	2	0.00	217	0.37	**533**	32	0.05	719	1.22	**580**	138	0.23	3615	6.14
485	5	0.01	222	0.38	**534**	34	0.06	753	1.28	**581**	116	0.20	3731	6.34
486	2	0.00	224	0.38	**535**	19	0.03	772	1.31	**582**	120	0.20	3851	6.54

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Table 183. Scale Score Distribution, Reading Grade 9 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
583	116	0.20	3967	6.74	**630**	359	0.61	15212	25.83	**677**	486	0.83	37446	63.59
584	112	0.19	4079	6.93	**631**	339	0.58	15551	26.41	**678**	513	0.87	37959	64.46
585	125	0.21	4204	7.14	**632**	396	0.67	15947	27.08	**679**	461	0.78	38420	65.24
586	133	0.23	4337	7.37	**633**	389	0.66	16336	27.74	**680**	516	0.88	38936	66.12
587	126	0.21	4463	7.58	**634**	403	0.68	16739	28.43	**681**	461	0.78	39397	66.90
588	151	0.26	4614	7.84	**635**	386	0.66	17125	29.08	**682**	439	0.75	39836	67.65
589	134	0.23	4748	8.06	**636**	375	0.64	17500	29.72	**683**	483	0.82	40319	68.47
590	157	0.27	4905	8.33	**637**	429	0.73	17929	30.45	**684**	453	0.77	40772	69.24
591	153	0.26	5058	8.59	**638**	413	0.70	18342	31.15	**685**	488	0.83	41260	70.07
592	164	0.28	5222	8.87	**639**	437	0.74	18779	31.89	**686**	449	0.76	41709	70.83
593	167	0.28	5389	9.15	**640**	424	0.72	19203	32.61	**687**	462	0.78	42171	71.61
594	179	0.30	5568	9.46	**641**	455	0.77	19658	33.38	**688**	470	0.80	42641	72.41
595	174	0.30	5742	9.75	**642**	451	0.77	20109	34.15	**689**	460	0.78	43101	73.19
596	189	0.32	5931	10.07	**643**	427	0.73	20536	34.87	**690**	422	0.72	43523	73.91
597	178	0.30	6109	10.37	**644**	424	0.72	20960	35.59	**691**	423	0.72	43946	74.63
598	178	0.30	6287	10.68	**645**	463	0.79	21423	36.38	**692**	422	0.72	44368	75.35
599	190	0.32	6477	11.00	**646**	479	0.81	21902	37.19	**693**	447	0.76	44815	76.10
600	209	0.35	6686	11.35	**647**	478	0.81	22380	38.01	**694**	434	0.74	45249	76.84
601	209	0.35	6895	11.71	**648**	510	0.87	22890	38.87	**695**	407	0.69	45656	77.53
602	225	0.38	7120	12.09	**649**	431	0.73	23321	39.60	**696**	419	0.71	46075	78.24
603	195	0.33	7315	12.42	**650**	463	0.79	23784	40.39	**697**	402	0.68	46477	78.93
604	190	0.32	7505	12.74	**651**	515	0.87	24299	41.26	**698**	378	0.64	46855	79.57
605	202	0.34	7707	13.09	**652**	509	0.86	24808	42.13	**699**	380	0.65	47235	80.21
606	237	0.40	7944	13.49	**653**	506	0.86	25314	42.99	**700**	389	0.66	47624	80.87
607	231	0.39	8175	13.88	**654**	534	0.91	25848	43.89	**701**	381	0.65	48005	81.52
608	257	0.44	8432	14.32	**655**	462	0.78	26310	44.68	**702**	360	0.61	48365	82.13
609	267	0.45	8699	14.77	**656**	487	0.83	26797	45.51	**703**	333	0.57	48698	82.70
610	250	0.42	8949	15.20	**657**	497	0.84	27294	46.35	**704**	355	0.60	49053	83.30
611	272	0.46	9221	15.66	**658**	541	0.92	27835	47.27	**705**	330	0.56	49383	83.86
612	293	0.50	9514	16.16	**659**	500	0.85	28335	48.12	**706**	354	0.60	49737	84.46
613	265	0.45	9779	16.61	**660**	508	0.86	28843	48.98	**707**	329	0.56	50066	85.02
614	271	0.46	10050	17.07	**661**	524	0.89	29367	49.87	**708**	364	0.62	50430	85.64
615	258	0.44	10308	17.51	**662**	453	0.77	29820	50.64	**709**	284	0.48	50714	86.12
616	311	0.53	10619	18.03	**663**	519	0.88	30339	51.52	**710**	273	0.46	50987	86.59
617	277	0.47	10896	18.50	**664**	511	0.87	30850	52.39	**711**	319	0.54	51306	87.13
618	283	0.48	11179	18.98	**665**	494	0.84	31344	53.23	**712**	332	0.56	51638	87.69
619	286	0.49	11465	19.47	**666**	518	0.88	31862	54.11	**713**	281	0.48	51919	88.17
620	309	0.52	11774	19.99	**667**	539	0.92	32401	55.02	**714**	300	0.51	52219	88.68
621	316	0.54	12090	20.53	**668**	520	0.88	32921	55.91	**715**	262	0.44	52481	89.12
622	299	0.51	12389	21.04	**669**	495	0.84	33416	56.75	**716**	260	0.44	52741	89.56
623	326	0.55	12715	21.59	**670**	504	0.86	33920	57.60	**717**	253	0.43	52994	89.99
624	326	0.55	13041	22.15	**671**	510	0.87	34430	58.47	**718**	253	0.43	53247	90.42
625	367	0.62	13408	22.77	**672**	504	0.86	34934	59.32	**719**	225	0.38	53472	90.81
626	352	0.60	13760	23.37	**673**	532	0.90	35466	60.23	**720**	238	0.40	53710	91.21
627	376	0.64	14136	24.01	**674**	495	0.84	35961	61.07	**721**	223	0.38	53933	91.59
628	367	0.62	14503	24.63	**675**	508	0.86	36469	61.93	**722**	226	0.38	54159	91.97
629	350	0.59	14853	25.22	**676**	491	0.83	36960	62.77	**723**	202	0.34	54361	92.32

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Table 183. Scale Score Distribution, Reading Grade 9 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
724	173	0.29	54534	92.61	**771**	23	0.04	58585	99.49	**828**	1	0.00	58873	99.98
725	202	0.34	54736	92.95	**772**	19	0.03	58604	99.52	**832**	2	0.00	58875	99.98
726	192	0.33	54928	93.28	**773**	20	0.03	58624	99.56	**833**	1	0.00	58876	99.98
727	171	0.29	55099	93.57	**774**	18	0.03	58642	99.59	**834**	2	0.00	58878	99.99
728	186	0.32	55285	93.88	**775**	17	0.03	58659	99.61	**837**	1	0.00	58879	99.99
729	164	0.28	55449	94.16	**776**	9	0.02	58668	99.63	**840**	1	0.00	58880	99.99
730	175	0.30	55624	94.46	**777**	15	0.03	58683	99.66	**841**	2	0.00	58882	99.99
731	147	0.25	55771	94.71	**778**	9	0.02	58692	99.67	**843**	1	0.00	58883	99.99
732	156	0.26	55927	94.98	**779**	15	0.03	58707	99.70	**849**	1	0.00	58884	100.00
733	136	0.23	56063	95.21	**780**	11	0.02	58718	99.71	**866**	2	0.00	58886	100.00
734	153	0.26	56216	95.47	**781**	7	0.01	58725	99.73					
735	122	0.21	56338	95.67	**782**	6	0.01	58731	99.74					
736	119	0.20	56457	95.88	**783**	8	0.01	58739	99.75					
737	124	0.21	56581	96.09	**784**	13	0.02	58752	99.77					
738	125	0.21	56706	96.30	**785**	5	0.01	58757	99.78					
739	118	0.20	56824	96.50	**786**	5	0.01	58762	99.79					
740	99	0.17	56923	96.67	**787**	10	0.02	58772	99.81					
741	97	0.16	57020	96.83	**788**	6	0.01	58778	99.82					
742	98	0.17	57118	97.00	**789**	11	0.02	58789	99.84					
743	85	0.14	57203	97.14	**790**	9	0.02	58798	99.85					
744	90	0.15	57293	97.29	**791**	5	0.01	58803	99.86					
745	94	0.16	57387	97.45	**792**	4	0.01	58807	99.87					
746	74	0.13	57461	97.58	**793**	7	0.01	58814	99.88					
747	73	0.12	57534	97.70	**794**	3	0.01	58817	99.88					
748	80	0.14	57614	97.84	**795**	7	0.01	58824	99.89					
749	63	0.11	57677	97.95	**796**	5	0.01	58829	99.90					
750	64	0.11	57741	98.06	**797**	2	0.00	58831	99.91					
751	53	0.09	57794	98.15	**798**	1	0.00	58832	99.91					
752	58	0.10	57852	98.24	**799**	1	0.00	58833	99.91					
753	62	0.11	57914	98.35	**800**	7	0.01	58840	99.92					
754	67	0.11	57981	98.46	**801**	5	0.01	58845	99.93					
755	46	0.08	58027	98.54	**802**	3	0.01	58848	99.94					
756	62	0.11	58089	98.65	**804**	2	0.00	58850	99.94					
757	55	0.09	58144	98.74	**805**	1	0.00	58851	99.94					
758	41	0.07	58185	98.81	**806**	3	0.01	58854	99.95					
759	37	0.06	58222	98.87	**807**	2	0.00	58856	99.95					
760	39	0.07	58261	98.94	**808**	2	0.00	58858	99.95					
761	36	0.06	58297	99.00	**809**	1	0.00	58859	99.95					
762	48	0.08	58345	99.08	**810**	2	0.00	58861	99.96					
763	31	0.05	58376	99.13	**811**	1	0.00	58862	99.96					
764	35	0.06	58411	99.19	**813**	2	0.00	58864	99.96					
765	37	0.06	58448	99.26	**815**	2	0.00	58866	99.97					
766	30	0.05	58478	99.31	**817**	1	0.00	58867	99.97					
767	32	0.05	58510	99.36	**818**	2	0.00	58869	99.97					
768	19	0.03	58529	99.39	**820**	1	0.00	58870	99.97					
769	12	0.02	58541	99.41	**826**	1	0.00	58871	99.97					
770	21	0.04	58562	99.45	**827**	1	0.00	58872	99.98					

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Table 184. Scale Score Distribution, Writing Grade 9

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
260	70	0.12	70	0.12	**319**	1	0.00	158	0.27	**366**	12	0.02	514	0.87
263	1	0.00	71	0.12	**320**	5	0.01	163	0.28	**367**	27	0.05	541	0.92
265	2	0.00	73	0.12	**321**	7	0.01	170	0.29	**368**	15	0.03	556	0.94
269	2	0.00	75	0.13	**322**	8	0.01	178	0.30	**369**	14	0.02	570	0.97
270	2	0.00	77	0.13	**323**	4	0.01	182	0.31	**370**	12	0.02	582	0.99
271	2	0.00	79	0.13	**324**	2	0.00	184	0.31	**371**	12	0.02	594	1.01
272	1	0.00	80	0.14	**325**	2	0.00	186	0.32	**372**	13	0.02	607	1.03
274	1	0.00	81	0.14	**326**	9	0.02	195	0.33	**373**	23	0.04	630	1.07
276	3	0.01	84	0.14	**327**	8	0.01	203	0.34	**374**	19	0.03	649	1.10
277	1	0.00	85	0.14	**328**	6	0.01	209	0.35	**375**	19	0.03	668	1.13
278	2	0.00	87	0.15	**329**	5	0.01	214	0.36	**376**	18	0.03	686	1.16
279	4	0.01	91	0.15	**330**	7	0.01	221	0.38	**377**	19	0.03	705	1.20
280	1	0.00	92	0.16	**331**	2	0.00	223	0.38	**378**	19	0.03	724	1.23
281	1	0.00	93	0.16	**332**	7	0.01	230	0.39	**379**	14	0.02	738	1.25
282	1	0.00	94	0.16	**333**	9	0.02	239	0.41	**380**	25	0.04	763	1.29
283	1	0.00	95	0.16	**334**	6	0.01	245	0.42	**381**	21	0.04	784	1.33
284	2	0.00	97	0.16	**335**	7	0.01	252	0.43	**382**	16	0.03	800	1.36
285	1	0.00	98	0.17	**336**	3	0.01	255	0.43	**383**	20	0.03	820	1.39
286	1	0.00	99	0.17	**337**	7	0.01	262	0.44	**384**	26	0.04	846	1.44
288	1	0.00	100	0.17	**338**	6	0.01	268	0.45	**385**	18	0.03	864	1.47
290	2	0.00	102	0.17	**339**	3	0.01	271	0.46	**386**	27	0.05	891	1.51
291	2	0.00	104	0.18	**340**	5	0.01	276	0.47	**387**	21	0.04	912	1.55
292	1	0.00	105	0.18	**341**	6	0.01	282	0.48	**388**	15	0.03	927	1.57
293	1	0.00	106	0.18	**342**	10	0.02	292	0.50	**389**	22	0.04	949	1.61
294	1	0.00	107	0.18	**343**	8	0.01	300	0.51	**390**	28	0.05	977	1.66
295	1	0.00	108	0.18	**344**	4	0.01	304	0.52	**391**	18	0.03	995	1.69
296	1	0.00	109	0.18	**345**	5	0.01	309	0.52	**392**	14	0.02	1009	1.71
298	1	0.00	110	0.19	**346**	2	0.00	311	0.53	**393**	23	0.04	1032	1.75
299	3	0.01	113	0.19	**347**	12	0.02	323	0.55	**394**	22	0.04	1054	1.79
300	2	0.00	115	0.20	**348**	5	0.01	328	0.56	**395**	27	0.05	1081	1.83
301	1	0.00	116	0.20	**349**	7	0.01	335	0.57	**396**	24	0.04	1105	1.88
302	1	0.00	117	0.20	**350**	11	0.02	346	0.59	**397**	11	0.02	1116	1.89
303	1	0.00	118	0.20	**351**	3	0.01	349	0.59	**398**	32	0.05	1148	1.95
305	6	0.01	124	0.21	**352**	10	0.02	359	0.61	**399**	34	0.06	1182	2.01
306	1	0.00	125	0.21	**353**	6	0.01	365	0.62	**400**	26	0.04	1208	2.05
307	4	0.01	129	0.22	**354**	9	0.02	374	0.63	**401**	21	0.04	1229	2.09
308	2	0.00	131	0.22	**355**	5	0.01	379	0.64	**402**	28	0.05	1257	2.13
309	4	0.01	135	0.23	**356**	18	0.03	397	0.67	**403**	27	0.05	1284	2.18
310	2	0.00	137	0.23	**357**	13	0.02	410	0.70	**404**	23	0.04	1307	2.22
311	5	0.01	142	0.24	**358**	4	0.01	414	0.70	**405**	41	0.07	1348	2.29
312	2	0.00	144	0.24	**359**	7	0.01	421	0.71	**406**	25	0.04	1373	2.33
313	2	0.00	146	0.25	**360**	9	0.02	430	0.73	**407**	24	0.04	1397	2.37
314	2	0.00	148	0.25	**361**	14	0.02	444	0.75	**408**	26	0.04	1423	2.41
315	2	0.00	150	0.25	**362**	12	0.02	456	0.77	**409**	32	0.05	1455	2.47
316	3	0.01	153	0.26	**363**	18	0.03	474	0.80	**410**	39	0.07	1494	2.54
317	2	0.00	155	0.26	**364**	17	0.03	491	0.83	**411**	23	0.04	1517	2.57
318	2	0.00	157	0.27	**365**	11	0.02	502	0.85	**412**	36	0.06	1553	2.64

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Table 184. Scale Score Distribution, Writing Grade 9 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
413	45	0.08	1598	2.71	**460**	112	0.19	4744	8.05	**507**	223	0.38	12382	21.01
414	40	0.07	1638	2.78	**461**	103	0.17	4847	8.22	**508**	213	0.36	12595	21.37
415	42	0.07	1680	2.85	**462**	120	0.20	4967	8.43	**509**	219	0.37	12814	21.74
416	38	0.06	1718	2.92	**463**	122	0.21	5089	8.64	**510**	216	0.37	13030	22.11
417	34	0.06	1752	2.97	**464**	96	0.16	5185	8.80	**511**	230	0.39	13260	22.50
418	49	0.08	1801	3.06	**465**	111	0.19	5296	8.99	**512**	225	0.38	13485	22.88
419	46	0.08	1847	3.13	**466**	124	0.21	5420	9.20	**513**	211	0.36	13696	23.24
420	44	0.07	1891	3.21	**467**	126	0.21	5546	9.41	**514**	255	0.43	13951	23.67
421	33	0.06	1924	3.26	**468**	120	0.20	5666	9.61	**515**	230	0.39	14181	24.06
422	46	0.08	1970	3.34	**469**	107	0.18	5773	9.80	**516**	231	0.39	14412	24.46
423	40	0.07	2010	3.41	**470**	149	0.25	5922	10.05	**517**	225	0.38	14637	24.84
424	44	0.07	2054	3.49	**471**	123	0.21	6045	10.26	**518**	251	0.43	14888	25.26
425	49	0.08	2103	3.57	**472**	157	0.27	6202	10.52	**519**	255	0.43	15143	25.70
426	62	0.11	2165	3.67	**473**	140	0.24	6342	10.76	**520**	230	0.39	15373	26.09
427	36	0.06	2201	3.73	**474**	132	0.22	6474	10.99	**521**	230	0.39	15603	26.48
428	53	0.09	2254	3.82	**475**	124	0.21	6598	11.20	**522**	246	0.42	15849	26.89
429	43	0.07	2297	3.90	**476**	152	0.26	6750	11.45	**523**	264	0.45	16113	27.34
430	54	0.09	2351	3.99	**477**	141	0.24	6891	11.69	**524**	293	0.50	16406	27.84
431	66	0.11	2417	4.10	**478**	141	0.24	7032	11.93	**525**	254	0.43	16660	28.27
432	57	0.10	2474	4.20	**479**	151	0.26	7183	12.19	**526**	250	0.42	16910	28.69
433	57	0.10	2531	4.29	**480**	141	0.24	7324	12.43	**527**	237	0.40	17147	29.10
434	58	0.10	2589	4.39	**481**	165	0.28	7489	12.71	**528**	254	0.43	17401	29.53
435	58	0.10	2647	4.49	**482**	168	0.29	7657	12.99	**529**	279	0.47	17680	30.00
436	69	0.12	2716	4.61	**483**	159	0.27	7816	13.26	**530**	286	0.49	17966	30.49
437	69	0.12	2785	4.73	**484**	161	0.27	7977	13.54	**531**	246	0.42	18212	30.90
438	74	0.13	2859	4.85	**485**	167	0.28	8144	13.82	**532**	280	0.48	18492	31.38
439	64	0.11	2923	4.96	**486**	170	0.29	8314	14.11	**533**	277	0.47	18769	31.85
440	78	0.13	3001	5.09	**487**	174	0.30	8488	14.40	**534**	273	0.46	19042	32.31
441	66	0.11	3067	5.20	**488**	160	0.27	8648	14.67	**535**	272	0.46	19314	32.77
442	79	0.13	3146	5.34	**489**	188	0.32	8836	14.99	**536**	306	0.52	19620	33.29
443	68	0.12	3214	5.45	**490**	167	0.28	9003	15.28	**537**	272	0.46	19892	33.75
444	86	0.15	3300	5.60	**491**	179	0.30	9182	15.58	**538**	267	0.45	20159	34.21
445	61	0.10	3361	5.70	**492**	189	0.32	9371	15.90	**539**	290	0.49	20449	34.70
446	69	0.12	3430	5.82	**493**	190	0.32	9561	16.22	**540**	289	0.49	20738	35.19
447	77	0.13	3507	5.95	**494**	189	0.32	9750	16.54	**541**	282	0.48	21020	35.67
448	74	0.13	3581	6.08	**495**	174	0.30	9924	16.84	**542**	295	0.50	21315	36.17
449	84	0.14	3665	6.22	**496**	178	0.30	10102	17.14	**543**	285	0.48	21600	36.65
450	96	0.16	3761	6.38	**497**	195	0.33	10297	17.47	**544**	293	0.50	21893	37.15
451	97	0.16	3858	6.55	**498**	198	0.34	10495	17.81	**545**	252	0.43	22145	37.58
452	96	0.16	3954	6.71	**499**	216	0.37	10711	18.18	**546**	300	0.51	22445	38.09
453	100	0.17	4054	6.88	**500**	227	0.39	10938	18.56	**547**	289	0.49	22734	38.58
454	83	0.14	4137	7.02	**501**	194	0.33	11132	18.89	**548**	316	0.54	23050	39.11
455	84	0.14	4221	7.16	**502**	210	0.36	11342	19.25	**549**	326	0.55	23376	39.67
456	102	0.17	4323	7.34	**503**	206	0.35	11548	19.60	**550**	306	0.52	23682	40.19
457	110	0.19	4433	7.52	**504**	205	0.35	11753	19.94	**551**	293	0.50	23975	40.68
458	93	0.16	4526	7.68	**505**	202	0.34	11955	20.29	**552**	289	0.49	24264	41.17
459	106	0.18	4632	7.86	**506**	204	0.35	12159	20.63	**553**	310	0.53	24574	41.70

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Table 184. Scale Score Distribution, Writing Grade 9 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
554	309	0.52	24883	42.22	**601**	296	0.50	39570	67.15	**648**	158	0.27	50493	85.68
555	315	0.53	25198	42.76	**602**	311	0.53	39881	67.67	**649**	159	0.27	50652	85.95
556	304	0.52	25502	43.27	**603**	290	0.49	40171	68.17	**650**	170	0.29	50822	86.24
557	359	0.61	25861	43.88	**604**	289	0.49	40460	68.66	**651**	153	0.26	50975	86.50
558	311	0.53	26172	44.41	**605**	280	0.48	40740	69.13	**652**	148	0.25	51123	86.75
559	295	0.50	26467	44.91	**606**	299	0.51	41039	69.64	**653**	150	0.25	51273	87.01
560	336	0.57	26803	45.48	**607**	267	0.45	41306	70.09	**654**	159	0.27	51432	87.27
561	305	0.52	27108	46.00	**608**	255	0.43	41561	70.52	**655**	151	0.26	51583	87.53
562	299	0.51	27407	46.51	**609**	282	0.48	41843	71.00	**656**	154	0.26	51737	87.79
563	333	0.57	27740	47.07	**610**	274	0.46	42117	71.47	**657**	159	0.27	51896	88.06
564	329	0.56	28069	47.63	**611**	277	0.47	42394	71.94	**658**	162	0.27	52058	88.34
565	325	0.55	28394	48.18	**612**	243	0.41	42637	72.35	**659**	139	0.24	52197	88.57
566	300	0.51	28694	48.69	**613**	254	0.43	42891	72.78	**660**	139	0.24	52336	88.81
567	327	0.55	29021	49.25	**614**	236	0.40	43127	73.18	**661**	160	0.27	52496	89.08
568	333	0.57	29354	49.81	**615**	231	0.39	43358	73.57	**662**	131	0.22	52627	89.30
569	313	0.53	29667	50.34	**616**	272	0.46	43630	74.04	**663**	142	0.24	52769	89.54
570	329	0.56	29996	50.90	**617**	246	0.42	43876	74.45	**664**	119	0.20	52888	89.75
571	330	0.56	30326	51.46	**618**	246	0.42	44122	74.87	**665**	157	0.27	53045	90.01
572	307	0.52	30633	51.98	**619**	269	0.46	44391	75.33	**666**	127	0.22	53172	90.23
573	329	0.56	30962	52.54	**620**	231	0.39	44622	75.72	**667**	113	0.19	53285	90.42
574	319	0.54	31281	53.08	**621**	267	0.45	44889	76.17	**668**	123	0.21	53408	90.63
575	284	0.48	31565	53.56	**622**	244	0.41	45133	76.59	**669**	111	0.19	53519	90.82
576	340	0.58	31905	54.14	**623**	243	0.41	45376	77.00	**670**	123	0.21	53642	91.03
577	327	0.55	32232	54.69	**624**	222	0.38	45598	77.38	**671**	130	0.22	53772	91.25
578	299	0.51	32531	55.20	**625**	242	0.41	45840	77.79	**672**	126	0.21	53898	91.46
579	301	0.51	32832	55.71	**626**	220	0.37	46060	78.16	**673**	102	0.17	54000	91.63
580	326	0.55	33158	56.27	**627**	252	0.43	46312	78.59	**674**	104	0.18	54104	91.81
581	311	0.53	33469	56.79	**628**	248	0.42	46560	79.01	**675**	100	0.17	54204	91.98
582	294	0.50	33763	57.29	**629**	244	0.41	46804	79.42	**676**	114	0.19	54318	92.17
583	342	0.58	34105	57.87	**630**	241	0.41	47045	79.83	**677**	93	0.16	54411	92.33
584	297	0.50	34402	58.38	**631**	220	0.37	47265	80.20	**678**	103	0.17	54514	92.50
585	292	0.50	34694	58.87	**632**	216	0.37	47481	80.57	**679**	111	0.19	54625	92.69
586	266	0.45	34960	59.32	**633**	232	0.39	47713	80.96	**680**	84	0.14	54709	92.84
587	316	0.54	35276	59.86	**634**	213	0.36	47926	81.33	**681**	112	0.19	54821	93.03
588	349	0.59	35625	60.45	**635**	192	0.33	48118	81.65	**682**	87	0.15	54908	93.17
589	308	0.52	35933	60.97	**636**	205	0.35	48323	82.00	**683**	89	0.15	54997	93.32
590	326	0.55	36259	61.53	**637**	188	0.32	48511	82.32	**684**	85	0.14	55082	93.47
591	292	0.50	36551	62.02	**638**	192	0.33	48703	82.64	**685**	107	0.18	55189	93.65
592	288	0.49	36839	62.51	**639**	185	0.31	48888	82.96	**686**	91	0.15	55280	93.80
593	305	0.52	37144	63.03	**640**	201	0.34	49089	83.30	**687**	85	0.14	55365	93.95
594	304	0.52	37448	63.55	**641**	161	0.27	49250	83.57	**688**	80	0.14	55445	94.08
595	361	0.61	37809	64.16	**642**	182	0.31	49432	83.88	**689**	87	0.15	55532	94.23
596	286	0.49	38095	64.64	**643**	173	0.29	49605	84.17	**690**	76	0.13	55608	94.36
597	278	0.47	38373	65.12	**644**	187	0.32	49792	84.49	**691**	66	0.11	55674	94.47
598	328	0.56	38701	65.67	**645**	186	0.32	49978	84.81	**692**	66	0.11	55740	94.59
599	295	0.50	38996	66.17	**646**	170	0.29	50148	85.10	**693**	88	0.15	55828	94.73
600	278	0.47	39274	66.64	**647**	187	0.32	50335	85.41	**694**	49	0.08	55877	94.82

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Table 184. Scale Score Distribution, Writing Grade 9 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
695	84	0.14	55961	94.96	**742**	13	0.02	57980	98.39	**789**	1	0.00	58620	99.47
696	54	0.09	56015	95.05	**743**	31	0.05	58011	98.44	**790**	5	0.01	58625	99.48
697	70	0.12	56085	95.17	**744**	18	0.03	58029	98.47	**791**	8	0.01	58633	99.49
698	95	0.16	56180	95.33	**745**	13	0.02	58042	98.49	**792**	1	0.00	58634	99.50
699	61	0.10	56241	95.44	**746**	22	0.04	58064	98.53	**793**	6	0.01	58640	99.51
700	83	0.14	56324	95.58	**747**	14	0.02	58078	98.55	**794**	2	0.00	58642	99.51
701	62	0.11	56386	95.68	**748**	19	0.03	58097	98.58	**795**	5	0.01	58647	99.52
702	65	0.11	56451	95.79	**749**	25	0.04	58122	98.63	**796**	4	0.01	58651	99.52
703	52	0.09	56503	95.88	**750**	21	0.04	58143	98.66	**797**	2	0.00	58653	99.53
704	56	0.10	56559	95.97	**751**	29	0.05	58172	98.71	**798**	5	0.01	58658	99.54
705	56	0.10	56615	96.07	**752**	25	0.04	58197	98.75	**799**	2	0.00	58660	99.54
706	45	0.08	56660	96.15	**753**	23	0.04	58220	98.79	**800**	4	0.01	58664	99.55
707	57	0.10	56717	96.24	**754**	25	0.04	58245	98.84	**801**	2	0.00	58666	99.55
708	54	0.09	56771	96.33	**755**	10	0.02	58255	98.85	**802**	7	0.01	58673	99.56
709	60	0.10	56831	96.44	**756**	21	0.04	58276	98.89	**803**	5	0.01	58678	99.57
710	51	0.09	56882	96.52	**757**	11	0.02	58287	98.91	**804**	2	0.00	58680	99.57
711	57	0.10	56939	96.62	**758**	18	0.03	58305	98.94	**805**	11	0.02	58691	99.59
712	81	0.14	57020	96.76	**759**	18	0.03	58323	98.97	**806**	8	0.01	58699	99.61
713	48	0.08	57068	96.84	**760**	9	0.02	58332	98.98	**807**	3	0.01	58702	99.61
714	56	0.10	57124	96.93	**761**	11	0.02	58343	99.00	**808**	4	0.01	58706	99.62
715	33	0.06	57157	96.99	**762**	5	0.01	58348	99.01	**809**	5	0.01	58711	99.63
716	52	0.09	57209	97.08	**763**	8	0.01	58356	99.02	**810**	3	0.01	58714	99.63
717	27	0.05	57236	97.12	**764**	17	0.03	58373	99.05	**811**	5	0.01	58719	99.64
718	34	0.06	57270	97.18	**765**	6	0.01	58379	99.06	**812**	4	0.01	58723	99.65
719	33	0.06	57303	97.24	**766**	5	0.01	58384	99.07	**813**	3	0.01	58726	99.65
720	32	0.05	57335	97.29	**767**	7	0.01	58391	99.08	**815**	11	0.02	58737	99.67
721	29	0.05	57364	97.34	**768**	7	0.01	58398	99.10	**816**	2	0.00	58739	99.67
722	41	0.07	57405	97.41	**769**	14	0.02	58412	99.12	**817**	6	0.01	58745	99.68
723	35	0.06	57440	97.47	**770**	11	0.02	58423	99.14	**818**	1	0.00	58746	99.69
724	39	0.07	57479	97.54	**771**	8	0.01	58431	99.15	**819**	2	0.00	58748	99.69
725	35	0.06	57514	97.60	**772**	15	0.03	58446	99.18	**820**	28	0.05	58776	99.74
726	33	0.06	57547	97.65	**773**	10	0.02	58456	99.19	**821**	1	0.00	58777	99.74
727	43	0.07	57590	97.72	**774**	10	0.02	58466	99.21	**822**	7	0.01	58784	99.75
728	38	0.06	57628	97.79	**775**	10	0.02	58476	99.23	**823**	4	0.01	58788	99.76
729	43	0.07	57671	97.86	**776**	18	0.03	58494	99.26	**824**	2	0.00	58790	99.76
730	44	0.07	57715	97.94	**777**	15	0.03	58509	99.28	**826**	1	0.00	58791	99.76
731	36	0.06	57751	98.00	**778**	14	0.02	58523	99.31	**827**	3	0.01	58794	99.77
732	18	0.03	57769	98.03	**779**	31	0.05	58554	99.36	**828**	1	0.00	58795	99.77
733	33	0.06	57802	98.08	**780**	5	0.01	58559	99.37	**829**	3	0.01	58798	99.77
734	27	0.05	57829	98.13	**781**	12	0.02	58571	99.39	**830**	2	0.00	58800	99.78
735	19	0.03	57848	98.16	**782**	6	0.01	58577	99.40	**831**	1	0.00	58801	99.78
736	19	0.03	57867	98.19	**783**	10	0.02	58587	99.42	**832**	6	0.01	58807	99.79
737	24	0.04	57891	98.24	**784**	14	0.02	58601	99.44	**833**	5	0.01	58812	99.80
738	18	0.03	57909	98.27	**785**	3	0.01	58604	99.45	**834**	1	0.00	58813	99.80
739	25	0.04	57934	98.31	**786**	7	0.01	58611	99.46	**841**	2	0.00	58815	99.80
740	22	0.04	57956	98.35	**787**	6	0.01	58617	99.47	**842**	3	0.01	58818	99.81
741	11	0.02	57967	98.36	**788**	2	0.00	58619	99.47	**848**	2	0.00	58820	99.81

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Table 184. Scale Score Distribution, Writing Grade 9 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %
850	1	0.00	58821	99.81
851	1	0.00	58822	99.82
852	2	0.00	58824	99.82
855	2	0.00	58826	99.82
856	7	0.01	58833	99.83
861	4	0.01	58837	99.84
864	1	0.00	58838	99.84
866	11	0.02	58849	99.86
874	9	0.02	58858	99.88
876	5	0.01	58863	99.88
883	17	0.03	58880	99.91
884	13	0.02	58893	99.94
887	4	0.01	58897	99.94
898	1	0.00	58898	99.94
901	5	0.01	58903	99.95
907	1	0.00	58904	99.95
910	2	0.00	58906	99.96
930	25	0.04	58931	100.00

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Table 185. Scale Score Distribution, Mathematics Grade 9

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
340	436	0.74	436	0.74	**387**	16	0.03	837	1.42	**434**	42	0.07	2124	3.60
341	1	0.00	437	0.74	**388**	17	0.03	854	1.45	**435**	57	0.10	2181	3.70
342	3	0.01	440	0.75	**389**	14	0.02	868	1.47	**436**	47	0.08	2228	3.77
343	6	0.01	446	0.76	**390**	17	0.03	885	1.50	**437**	38	0.06	2266	3.84
344	3	0.01	449	0.76	**391**	15	0.03	900	1.52	**438**	65	0.11	2331	3.95
345	5	0.01	454	0.77	**392**	9	0.02	909	1.54	**439**	44	0.07	2375	4.02
346	5	0.01	459	0.78	**393**	20	0.03	929	1.57	**440**	53	0.09	2428	4.11
347	5	0.01	464	0.79	**394**	15	0.03	944	1.60	**441**	53	0.09	2481	4.20
348	7	0.01	471	0.80	**395**	27	0.05	971	1.65	**442**	47	0.08	2528	4.28
349	5	0.01	476	0.81	**396**	18	0.03	989	1.68	**443**	49	0.08	2577	4.37
350	8	0.01	484	0.82	**397**	15	0.03	1004	1.70	**444**	57	0.10	2634	4.46
351	5	0.01	489	0.83	**398**	19	0.03	1023	1.73	**445**	43	0.07	2677	4.54
352	5	0.01	494	0.84	**399**	22	0.04	1045	1.77	**446**	57	0.10	2734	4.63
353	8	0.01	502	0.85	**400**	22	0.04	1067	1.81	**447**	69	0.12	2803	4.75
354	9	0.02	511	0.87	**401**	22	0.04	1089	1.85	**448**	57	0.10	2860	4.85
355	6	0.01	517	0.88	**402**	23	0.04	1112	1.88	**449**	54	0.09	2914	4.94
356	5	0.01	522	0.88	**403**	26	0.04	1138	1.93	**450**	51	0.09	2965	5.02
357	11	0.02	533	0.90	**404**	22	0.04	1160	1.97	**451**	62	0.11	3027	5.13
358	8	0.01	541	0.92	**405**	26	0.04	1186	2.01	**452**	72	0.12	3099	5.25
359	6	0.01	547	0.93	**406**	22	0.04	1208	2.05	**453**	57	0.10	3156	5.35
360	7	0.01	554	0.94	**407**	15	0.03	1223	2.07	**454**	86	0.15	3242	5.49
361	6	0.01	560	0.95	**408**	22	0.04	1245	2.11	**455**	86	0.15	3328	5.64
362	11	0.02	571	0.97	**409**	24	0.04	1269	2.15	**456**	67	0.11	3395	5.75
363	3	0.01	574	0.97	**410**	26	0.04	1295	2.19	**457**	75	0.13	3470	5.88
364	13	0.02	587	0.99	**411**	27	0.05	1322	2.24	**458**	88	0.15	3558	6.03
365	7	0.01	594	1.01	**412**	28	0.05	1350	2.29	**459**	90	0.15	3648	6.18
366	11	0.02	605	1.03	**413**	29	0.05	1379	2.34	**460**	91	0.15	3739	6.33
367	4	0.01	609	1.03	**414**	30	0.05	1409	2.39	**461**	76	0.13	3815	6.46
368	9	0.02	618	1.05	**415**	15	0.03	1424	2.41	**462**	82	0.14	3897	6.60
369	14	0.02	632	1.07	**416**	29	0.05	1453	2.46	**463**	89	0.15	3986	6.75
370	11	0.02	643	1.09	**417**	30	0.05	1483	2.51	**464**	78	0.13	4064	6.89
371	7	0.01	650	1.10	**418**	33	0.06	1516	2.57	**465**	86	0.15	4150	7.03
372	10	0.02	660	1.12	**419**	38	0.06	1554	2.63	**466**	89	0.15	4239	7.18
373	12	0.02	672	1.14	**420**	33	0.06	1587	2.69	**467**	101	0.17	4340	7.35
374	16	0.03	688	1.17	**421**	39	0.07	1626	2.75	**468**	90	0.15	4430	7.51
375	14	0.02	702	1.19	**422**	34	0.06	1660	2.81	**469**	106	0.18	4536	7.69
376	7	0.01	709	1.20	**423**	32	0.05	1692	2.87	**470**	107	0.18	4643	7.87
377	11	0.02	720	1.22	**424**	31	0.05	1723	2.92	**471**	104	0.18	4747	8.04
378	11	0.02	731	1.24	**425**	36	0.06	1759	2.98	**472**	95	0.16	4842	8.20
379	15	0.03	746	1.26	**426**	31	0.05	1790	3.03	**473**	91	0.15	4933	8.36
380	14	0.02	760	1.29	**427**	48	0.08	1838	3.11	**474**	92	0.16	5025	8.51
381	7	0.01	767	1.30	**428**	36	0.06	1874	3.18	**475**	107	0.18	5132	8.69
382	10	0.02	777	1.32	**429**	32	0.05	1906	3.23	**476**	115	0.19	5247	8.89
383	8	0.01	785	1.33	**430**	34	0.06	1940	3.29	**477**	90	0.15	5337	9.04
384	10	0.02	795	1.35	**431**	45	0.08	1985	3.36	**478**	102	0.17	5439	9.22
385	11	0.02	806	1.37	**432**	54	0.09	2039	3.45	**479**	116	0.20	5555	9.41
386	15	0.03	821	1.39	**433**	43	0.07	2082	3.53	**480**	115	0.19	5670	9.61

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Table 185. Scale Score Distribution, Mathematics Grade 9 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
481	107	0.18	5777	9.79	**528**	225	0.38	13741	23.28	**575**	308	0.52	27594	46.75
482	113	0.19	5890	9.98	**529**	236	0.40	13977	23.68	**576**	320	0.54	27914	47.29
483	120	0.20	6010	10.18	**530**	263	0.45	14240	24.13	**577**	340	0.58	28254	47.87
484	129	0.22	6139	10.40	**531**	248	0.42	14488	24.55	**578**	366	0.62	28620	48.49
485	116	0.20	6255	10.60	**532**	239	0.40	14727	24.95	**579**	342	0.58	28962	49.07
486	115	0.19	6370	10.79	**533**	254	0.43	14981	25.38	**580**	349	0.59	29311	49.66
487	133	0.23	6503	11.02	**534**	239	0.40	15220	25.79	**581**	312	0.53	29623	50.19
488	137	0.23	6640	11.25	**535**	224	0.38	15444	26.17	**582**	322	0.55	29945	50.73
489	118	0.20	6758	11.45	**536**	251	0.43	15695	26.59	**583**	320	0.54	30265	51.28
490	135	0.23	6893	11.68	**537**	269	0.46	15964	27.05	**584**	344	0.58	30609	51.86
491	135	0.23	7028	11.91	**538**	242	0.41	16206	27.46	**585**	314	0.53	30923	52.39
492	137	0.23	7165	12.14	**539**	252	0.43	16458	27.88	**586**	341	0.58	31264	52.97
493	142	0.24	7307	12.38	**540**	279	0.47	16737	28.36	**587**	388	0.66	31652	53.63
494	143	0.24	7450	12.62	**541**	277	0.47	17014	28.83	**588**	355	0.60	32007	54.23
495	127	0.22	7577	12.84	**542**	274	0.46	17288	29.29	**589**	362	0.61	32369	54.84
496	127	0.22	7704	13.05	**543**	265	0.45	17553	29.74	**590**	301	0.51	32670	55.35
497	166	0.28	7870	13.33	**544**	260	0.44	17813	30.18	**591**	374	0.63	33044	55.98
498	143	0.24	8013	13.58	**545**	274	0.46	18087	30.64	**592**	345	0.58	33389	56.57
499	174	0.29	8187	13.87	**546**	292	0.49	18379	31.14	**593**	332	0.56	33721	57.13
500	142	0.24	8329	14.11	**547**	287	0.49	18666	31.62	**594**	352	0.60	34073	57.73
501	164	0.28	8493	14.39	**548**	278	0.47	18944	32.10	**595**	353	0.60	34426	58.33
502	143	0.24	8636	14.63	**549**	303	0.51	19247	32.61	**596**	370	0.63	34796	58.95
503	140	0.24	8776	14.87	**550**	302	0.51	19549	33.12	**597**	332	0.56	35128	59.52
504	165	0.28	8941	15.15	**551**	314	0.53	19863	33.65	**598**	347	0.59	35475	60.10
505	165	0.28	9106	15.43	**552**	294	0.50	20157	34.15	**599**	322	0.55	35797	60.65
506	169	0.29	9275	15.71	**553**	313	0.53	20470	34.68	**600**	299	0.51	36096	61.16
507	171	0.29	9446	16.00	**554**	314	0.53	20784	35.21	**601**	332	0.56	36428	61.72
508	206	0.35	9652	16.35	**555**	284	0.48	21068	35.69	**602**	311	0.53	36739	62.25
509	192	0.33	9844	16.68	**556**	342	0.58	21410	36.27	**603**	313	0.53	37052	62.78
510	197	0.33	10041	17.01	**557**	300	0.51	21710	36.78	**604**	328	0.56	37380	63.33
511	157	0.27	10198	17.28	**558**	324	0.55	22034	37.33	**605**	327	0.55	37707	63.89
512	192	0.33	10390	17.60	**559**	315	0.53	22349	37.86	**606**	342	0.58	38049	64.46
513	197	0.33	10587	17.94	**560**	304	0.52	22653	38.38	**607**	367	0.62	38416	65.09
514	173	0.29	10760	18.23	**561**	332	0.56	22985	38.94	**608**	340	0.58	38756	65.66
515	206	0.35	10966	18.58	**562**	359	0.61	23344	39.55	**609**	332	0.56	39088	66.23
516	209	0.35	11175	18.93	**563**	301	0.51	23645	40.06	**610**	319	0.54	39407	66.77
517	231	0.39	11406	19.32	**564**	311	0.53	23956	40.59	**611**	361	0.61	39768	67.38
518	199	0.34	11605	19.66	**565**	308	0.52	24264	41.11	**612**	319	0.54	40087	67.92
519	200	0.34	11805	20.00	**566**	292	0.49	24556	41.60	**613**	337	0.57	40424	68.49
520	198	0.34	12003	20.34	**567**	365	0.62	24921	42.22	**614**	313	0.53	40737	69.02
521	207	0.35	12210	20.69	**568**	329	0.56	25250	42.78	**615**	287	0.49	41024	69.51
522	218	0.37	12428	21.06	**569**	358	0.61	25608	43.39	**616**	332	0.56	41356	70.07
523	225	0.38	12653	21.44	**570**	355	0.60	25963	43.99	**617**	300	0.51	41656	70.58
524	216	0.37	12869	21.80	**571**	317	0.54	26280	44.53	**618**	328	0.56	41984	71.13
525	216	0.37	13085	22.17	**572**	338	0.57	26618	45.10	**619**	309	0.52	42293	71.66
526	214	0.36	13299	22.53	**573**	348	0.59	26966	45.69	**620**	294	0.50	42587	72.15
527	217	0.37	13516	22.90	**574**	320	0.54	27286	46.23	**621**	302	0.51	42889	72.66

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Table 185. Scale Score Distribution, Mathematics Grade 9 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
622	336	0.57	43225	73.23	**669**	164	0.28	54275	91.96	**716**	35	0.06	58261	98.71
623	311	0.53	43536	73.76	**670**	171	0.29	54446	92.25	**717**	29	0.05	58290	98.76
624	283	0.48	43819	74.24	**671**	150	0.25	54596	92.50	**718**	40	0.07	58330	98.83
625	304	0.52	44123	74.76	**672**	121	0.21	54717	92.70	**719**	33	0.06	58363	98.88
626	294	0.50	44417	75.25	**673**	130	0.22	54847	92.92	**720**	27	0.05	58390	98.93
627	320	0.54	44737	75.80	**674**	130	0.22	54977	93.15	**721**	27	0.05	58417	98.97
628	312	0.53	45049	76.32	**675**	125	0.21	55102	93.36	**722**	24	0.04	58441	99.01
629	297	0.50	45346	76.83	**676**	123	0.21	55225	93.57	**723**	27	0.05	58468	99.06
630	316	0.54	45662	77.36	**677**	149	0.25	55374	93.82	**724**	33	0.06	58501	99.12
631	281	0.48	45943	77.84	**678**	96	0.16	55470	93.98	**725**	21	0.04	58522	99.15
632	260	0.44	46203	78.28	**679**	103	0.17	55573	94.15	**726**	18	0.03	58540	99.18
633	269	0.46	46472	78.74	**680**	112	0.19	55685	94.34	**727**	25	0.04	58565	99.22
634	281	0.48	46753	79.21	**681**	129	0.22	55814	94.56	**728**	19	0.03	58584	99.26
635	257	0.44	47010	79.65	**682**	111	0.19	55925	94.75	**729**	23	0.04	58607	99.30
636	267	0.45	47277	80.10	**683**	117	0.20	56042	94.95	**730**	11	0.02	58618	99.31
637	308	0.52	47585	80.62	**684**	110	0.19	56152	95.14	**731**	20	0.03	58638	99.35
638	248	0.42	47833	81.04	**685**	102	0.17	56254	95.31	**732**	19	0.03	58657	99.38
639	293	0.50	48126	81.54	**686**	113	0.19	56367	95.50	**733**	22	0.04	58679	99.42
640	260	0.44	48386	81.98	**687**	102	0.17	56469	95.67	**734**	15	0.03	58694	99.44
641	220	0.37	48606	82.35	**688**	95	0.16	56564	95.83	**735**	22	0.04	58716	99.48
642	247	0.42	48853	82.77	**689**	102	0.17	56666	96.01	**736**	12	0.02	58728	99.50
643	227	0.38	49080	83.15	**690**	92	0.16	56758	96.16	**737**	12	0.02	58740	99.52
644	223	0.38	49303	83.53	**691**	82	0.14	56840	96.30	**738**	14	0.02	58754	99.54
645	266	0.45	49569	83.98	**692**	100	0.17	56940	96.47	**739**	10	0.02	58764	99.56
646	222	0.38	49791	84.36	**693**	82	0.14	57022	96.61	**740**	13	0.02	58777	99.58
647	215	0.36	50006	84.72	**694**	72	0.12	57094	96.73	**741**	11	0.02	58788	99.60
648	222	0.38	50228	85.10	**695**	73	0.12	57167	96.86	**742**	8	0.01	58796	99.62
649	227	0.38	50455	85.48	**696**	67	0.11	57234	96.97	**743**	17	0.03	58813	99.64
650	231	0.39	50686	85.87	**697**	74	0.13	57308	97.09	**744**	11	0.02	58824	99.66
651	203	0.34	50889	86.22	**698**	68	0.12	57376	97.21	**745**	12	0.02	58836	99.68
652	202	0.34	51091	86.56	**699**	64	0.11	57440	97.32	**746**	7	0.01	58843	99.70
653	240	0.41	51331	86.97	**700**	78	0.13	57518	97.45	**747**	6	0.01	58849	99.71
654	216	0.37	51547	87.33	**701**	77	0.13	57595	97.58	**748**	5	0.01	58854	99.71
655	218	0.37	51765	87.70	**702**	50	0.08	57645	97.67	**749**	9	0.02	58863	99.73
656	204	0.35	51969	88.05	**703**	59	0.10	57704	97.77	**750**	7	0.01	58870	99.74
657	198	0.34	52167	88.38	**704**	50	0.08	57754	97.85	**751**	5	0.01	58875	99.75
658	184	0.31	52351	88.70	**705**	52	0.09	57806	97.94	**752**	3	0.01	58878	99.75
659	177	0.30	52528	89.00	**706**	56	0.09	57862	98.03	**753**	8	0.01	58886	99.77
660	207	0.35	52735	89.35	**707**	50	0.08	57912	98.12	**754**	7	0.01	58893	99.78
661	164	0.28	52899	89.62	**708**	52	0.09	57964	98.21	**755**	5	0.01	58898	99.79
662	180	0.30	53079	89.93	**709**	61	0.10	58025	98.31	**756**	3	0.01	58901	99.79
663	203	0.34	53282	90.27	**710**	37	0.06	58062	98.37	**757**	4	0.01	58905	99.80
664	158	0.27	53440	90.54	**711**	37	0.06	58099	98.43	**758**	5	0.01	58910	99.81
665	176	0.30	53616	90.84	**712**	34	0.06	58133	98.49	**759**	4	0.01	58914	99.82
666	158	0.27	53774	91.11	**713**	31	0.05	58164	98.54	**760**	4	0.01	58918	99.82
667	178	0.30	53952	91.41	**714**	40	0.07	58204	98.61	**761**	1	0.00	58919	99.82
668	159	0.27	54111	91.68	**715**	22	0.04	58226	98.65	**762**	7	0.01	58926	99.84

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Table 185. Scale Score Distribution, Mathematics Grade 9 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %
763	3	0.01	58929	99.84
764	7	0.01	58936	99.85
765	7	0.01	58943	99.86
766	2	0.00	58945	99.87
767	1	0.00	58946	99.87
768	6	0.01	58952	99.88
769	4	0.01	58956	99.89
770	1	0.00	58957	99.89
771	4	0.01	58961	99.89
772	3	0.01	58964	99.90
773	4	0.01	58968	99.91
774	1	0.00	58969	99.91
775	3	0.01	58972	99.91
776	3	0.01	58975	99.92
777	2	0.00	58977	99.92
778	1	0.00	58978	99.92
779	5	0.01	58983	99.93
780	2	0.00	58985	99.94
781	3	0.01	58988	99.94
782	1	0.00	58989	99.94
783	1	0.00	58990	99.94
784	3	0.01	58993	99.95
786	1	0.00	58994	99.95
787	4	0.01	58998	99.96
789	1	0.00	58999	99.96
791	4	0.01	59003	99.97
799	1	0.00	59004	99.97
800	1	0.00	59005	99.97
802	2	0.00	59007	99.97
806	3	0.01	59010	99.98
807	1	0.00	59011	99.98
818	2	0.00	59013	99.98
819	2	0.00	59015	99.99
834	2	0.00	59017	99.99
838	1	0.00	59018	99.99
848	1	0.00	59019	99.99
868	1	0.00	59020	99.99
874	1	0.00	59021	100.00
920	2	0.00	59023	100.00

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Table 186. Scale Score Distribution, Reading Grade 10

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
370	198	0.35	198	0.35	**485**	3	0.01	271	0.48	**533**	17	0.03	610	1.08
371	2	0.00	200	0.35	**486**	5	0.01	276	0.49	**534**	13	0.02	623	1.10
375	2	0.00	202	0.36	**487**	3	0.01	279	0.49	**535**	15	0.03	638	1.13
384	3	0.01	205	0.36	**488**	3	0.01	282	0.50	**536**	20	0.04	658	1.17
385	1	0.00	206	0.36	**489**	3	0.01	285	0.50	**537**	17	0.03	675	1.20
396	4	0.01	210	0.37	**490**	1	0.00	286	0.51	**538**	26	0.05	701	1.24
398	2	0.00	212	0.38	**491**	3	0.01	289	0.51	**539**	18	0.03	719	1.27
400	2	0.00	214	0.38	**492**	3	0.01	292	0.52	**540**	16	0.03	735	1.30
403	1	0.00	215	0.38	**493**	3	0.01	295	0.52	**541**	23	0.04	758	1.34
409	1	0.00	216	0.38	**494**	3	0.01	298	0.53	**542**	22	0.04	780	1.38
411	1	0.00	217	0.38	**495**	7	0.01	305	0.54	**543**	26	0.05	806	1.43
414	1	0.00	218	0.39	**496**	2	0.00	307	0.54	**544**	25	0.04	831	1.47
419	1	0.00	219	0.39	**497**	8	0.01	315	0.56	**545**	23	0.04	854	1.51
421	2	0.00	221	0.39	**498**	6	0.01	321	0.57	**546**	28	0.05	882	1.56
423	1	0.00	222	0.39	**499**	3	0.01	324	0.57	**547**	23	0.04	905	1.60
425	1	0.00	223	0.39	**500**	3	0.01	327	0.58	**548**	29	0.05	934	1.65
429	1	0.00	224	0.40	**501**	11	0.02	338	0.60	**549**	20	0.04	954	1.69
431	1	0.00	225	0.40	**502**	2	0.00	340	0.60	**550**	36	0.06	990	1.75
432	2	0.00	227	0.40	**504**	5	0.01	345	0.61	**551**	29	0.05	1019	1.80
433	1	0.00	228	0.40	**505**	1	0.00	346	0.61	**552**	29	0.05	1048	1.86
437	1	0.00	229	0.41	**506**	5	0.01	351	0.62	**553**	33	0.06	1081	1.91
439	1	0.00	230	0.41	**507**	9	0.02	360	0.64	**554**	33	0.06	1114	1.97
440	1	0.00	231	0.41	**508**	6	0.01	366	0.65	**555**	20	0.04	1134	2.01
441	1	0.00	232	0.41	**509**	6	0.01	372	0.66	**556**	36	0.06	1170	2.07
442	1	0.00	233	0.41	**510**	10	0.02	382	0.68	**557**	32	0.06	1202	2.13
443	1	0.00	234	0.41	**511**	3	0.01	385	0.68	**558**	36	0.06	1238	2.19
454	1	0.00	235	0.42	**512**	10	0.02	395	0.70	**559**	43	0.08	1281	2.27
456	1	0.00	236	0.42	**513**	5	0.01	400	0.71	**560**	49	0.09	1330	2.36
457	2	0.00	238	0.42	**514**	5	0.01	405	0.72	**561**	45	0.08	1375	2.44
461	1	0.00	239	0.42	**515**	10	0.02	415	0.73	**562**	42	0.07	1417	2.51
463	1	0.00	240	0.43	**516**	12	0.02	427	0.76	**563**	37	0.07	1454	2.58
464	1	0.00	241	0.43	**517**	9	0.02	436	0.77	**564**	40	0.07	1494	2.65
467	2	0.00	243	0.43	**518**	9	0.02	445	0.79	**565**	31	0.05	1525	2.70
468	2	0.00	245	0.43	**519**	11	0.02	456	0.81	**566**	62	0.11	1587	2.81
470	1	0.00	246	0.44	**520**	9	0.02	465	0.82	**567**	40	0.07	1627	2.88
471	1	0.00	247	0.44	**521**	8	0.01	473	0.84	**568**	58	0.10	1685	2.98
472	2	0.00	249	0.44	**522**	10	0.02	483	0.86	**569**	40	0.07	1725	3.06
473	2	0.00	251	0.44	**523**	2	0.00	485	0.86	**570**	46	0.08	1771	3.14
475	1	0.00	252	0.45	**524**	15	0.03	500	0.89	**571**	60	0.11	1831	3.24
476	1	0.00	253	0.45	**525**	10	0.02	510	0.90	**572**	49	0.09	1880	3.33
477	3	0.01	256	0.45	**526**	12	0.02	522	0.92	**573**	64	0.11	1944	3.44
479	1	0.00	257	0.46	**527**	12	0.02	534	0.95	**574**	59	0.10	2003	3.55
480	2	0.00	259	0.46	**528**	9	0.02	543	0.96	**575**	50	0.09	2053	3.64
481	1	0.00	260	0.46	**529**	9	0.02	552	0.98	**576**	63	0.11	2116	3.75
482	4	0.01	264	0.47	**530**	14	0.02	566	1.00	**577**	51	0.09	2167	3.84
483	2	0.00	266	0.47	**531**	9	0.02	575	1.02	**578**	67	0.12	2234	3.96
484	2	0.00	268	0.47	**532**	18	0.03	593	1.05	**579**	73	0.13	2307	4.09

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Table 186. Scale Score Distribution, Reading Grade 10 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
580	67	0.12	2374	4.20	**627**	213	0.38	8385	14.85	**674**	429	0.76	23607	41.81
581	62	0.11	2436	4.31	**628**	234	0.41	8619	15.26	**675**	420	0.74	24027	42.55
582	77	0.14	2513	4.45	**629**	201	0.36	8820	15.62	**676**	448	0.79	24475	43.35
583	46	0.08	2559	4.53	**630**	228	0.40	9048	16.02	**677**	430	0.76	24905	44.11
584	98	0.17	2657	4.71	**631**	218	0.39	9266	16.41	**678**	456	0.81	25361	44.92
585	77	0.14	2734	4.84	**632**	212	0.38	9478	16.79	**679**	453	0.80	25814	45.72
586	74	0.13	2808	4.97	**633**	205	0.36	9683	17.15	**680**	446	0.79	26260	46.51
587	76	0.13	2884	5.11	**634**	244	0.43	9927	17.58	**681**	449	0.80	26709	47.30
588	69	0.12	2953	5.23	**635**	225	0.40	10152	17.98	**682**	507	0.90	27216	48.20
589	78	0.14	3031	5.37	**636**	243	0.43	10395	18.41	**683**	439	0.78	27655	48.98
590	81	0.14	3112	5.51	**637**	253	0.45	10648	18.86	**684**	450	0.80	28105	49.78
591	91	0.16	3203	5.67	**638**	273	0.48	10921	19.34	**685**	467	0.83	28572	50.60
592	93	0.16	3296	5.84	**639**	263	0.47	11184	19.81	**686**	468	0.83	29040	51.43
593	75	0.13	3371	5.97	**640**	247	0.44	11431	20.25	**687**	454	0.80	29494	52.24
594	94	0.17	3465	6.14	**641**	263	0.47	11694	20.71	**688**	475	0.84	29969	53.08
595	101	0.18	3566	6.32	**642**	274	0.49	11968	21.20	**689**	486	0.86	30455	53.94
596	120	0.21	3686	6.53	**643**	283	0.50	12251	21.70	**690**	464	0.82	30919	54.76
597	103	0.18	3789	6.71	**644**	298	0.53	12549	22.23	**691**	499	0.88	31418	55.64
598	95	0.17	3884	6.88	**645**	286	0.51	12835	22.73	**692**	468	0.83	31886	56.47
599	108	0.19	3992	7.07	**646**	288	0.51	13123	23.24	**693**	477	0.84	32363	57.32
600	129	0.23	4121	7.30	**647**	285	0.50	13408	23.75	**694**	468	0.83	32831	58.15
601	112	0.20	4233	7.50	**648**	304	0.54	13712	24.28	**695**	508	0.90	33339	59.05
602	109	0.19	4342	7.69	**649**	326	0.58	14038	24.86	**696**	458	0.81	33797	59.86
603	105	0.19	4447	7.88	**650**	342	0.61	14380	25.47	**697**	463	0.82	34260	60.68
604	145	0.26	4592	8.13	**651**	329	0.58	14709	26.05	**698**	475	0.84	34735	61.52
605	116	0.21	4708	8.34	**652**	333	0.59	15042	26.64	**699**	506	0.90	35241	62.41
606	137	0.24	4845	8.58	**653**	342	0.61	15384	27.25	**700**	441	0.78	35682	63.20
607	110	0.19	4955	8.78	**654**	332	0.59	15716	27.83	**701**	471	0.83	36153	64.03
608	124	0.22	5079	9.00	**655**	373	0.66	16089	28.49	**702**	454	0.80	36607	64.83
609	154	0.27	5233	9.27	**656**	331	0.59	16420	29.08	**703**	439	0.78	37046	65.61
610	158	0.28	5391	9.55	**657**	366	0.65	16786	29.73	**704**	424	0.75	37470	66.36
611	128	0.23	5519	9.77	**658**	354	0.63	17140	30.36	**705**	432	0.77	37902	67.13
612	164	0.29	5683	10.06	**659**	362	0.64	17502	31.00	**706**	430	0.76	38332	67.89
613	147	0.26	5830	10.33	**660**	386	0.68	17888	31.68	**707**	468	0.83	38800	68.72
614	151	0.27	5981	10.59	**661**	399	0.71	18287	32.39	**708**	484	0.86	39284	69.57
615	145	0.26	6126	10.85	**662**	378	0.67	18665	33.06	**709**	448	0.79	39732	70.37
616	165	0.29	6291	11.14	**663**	380	0.67	19045	33.73	**710**	448	0.79	40180	71.16
617	172	0.30	6463	11.45	**664**	384	0.68	19429	34.41	**711**	424	0.75	40604	71.91
618	171	0.30	6634	11.75	**665**	395	0.70	19824	35.11	**712**	443	0.78	41047	72.70
619	198	0.35	6832	12.10	**666**	422	0.75	20246	35.86	**713**	387	0.69	41434	73.38
620	163	0.29	6995	12.39	**667**	433	0.77	20679	36.62	**714**	450	0.80	41884	74.18
621	174	0.31	7169	12.70	**668**	415	0.73	21094	37.36	**715**	426	0.75	42310	74.93
622	204	0.36	7373	13.06	**669**	419	0.74	21513	38.10	**716**	437	0.77	42747	75.71
623	188	0.33	7561	13.39	**670**	413	0.73	21926	38.83	**717**	438	0.78	43185	76.48
624	195	0.35	7756	13.74	**671**	399	0.71	22325	39.54	**718**	386	0.68	43571	77.17
625	197	0.35	7953	14.09	**672**	422	0.75	22747	40.29	**719**	433	0.77	44004	77.93
626	219	0.39	8172	14.47	**673**	431	0.76	23178	41.05	**720**	419	0.74	44423	78.68

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Table 186. Scale Score Distribution, Reading Grade 10 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
721	409	0.72	44832	79.40	**768**	73	0.13	55021	97.45	**815**	7	0.01	56382	99.86
722	351	0.62	45183	80.02	**769**	73	0.13	55094	97.58	**816**	4	0.01	56386	99.86
723	345	0.61	45528	80.63	**770**	75	0.13	55169	97.71	**817**	6	0.01	56392	99.87
724	383	0.68	45911	81.31	**771**	61	0.11	55230	97.82	**818**	4	0.01	56396	99.88
725	338	0.60	46249	81.91	**772**	59	0.10	55289	97.92	**819**	8	0.01	56404	99.90
726	340	0.60	46589	82.51	**773**	78	0.14	55367	98.06	**820**	4	0.01	56408	99.90
727	341	0.60	46930	83.12	**774**	51	0.09	55418	98.15	**821**	1	0.00	56409	99.90
728	328	0.58	47258	83.70	**775**	69	0.12	55487	98.27	**822**	4	0.01	56413	99.91
729	313	0.55	47571	84.25	**776**	55	0.10	55542	98.37	**823**	4	0.01	56417	99.92
730	304	0.54	47875	84.79	**777**	41	0.07	55583	98.44	**824**	2	0.00	56419	99.92
731	303	0.54	48178	85.33	**778**	48	0.09	55631	98.53	**825**	7	0.01	56426	99.93
732	319	0.56	48497	85.89	**779**	35	0.06	55666	98.59	**826**	1	0.00	56427	99.94
733	304	0.54	48801	86.43	**780**	52	0.09	55718	98.68	**827**	3	0.01	56430	99.94
734	274	0.49	49075	86.92	**781**	37	0.07	55755	98.75	**828**	2	0.00	56432	99.95
735	311	0.55	49386	87.47	**782**	43	0.08	55798	98.82	**830**	1	0.00	56433	99.95
736	246	0.44	49632	87.90	**783**	38	0.07	55836	98.89	**831**	3	0.01	56436	99.95
737	274	0.49	49906	88.39	**784**	30	0.05	55866	98.94	**832**	4	0.01	56440	99.96
738	239	0.42	50145	88.81	**785**	37	0.07	55903	99.01	**833**	3	0.01	56443	99.96
739	243	0.43	50388	89.24	**786**	31	0.05	55934	99.06	**834**	1	0.00	56444	99.97
740	254	0.45	50642	89.69	**787**	38	0.07	55972	99.13	**835**	1	0.00	56445	99.97
741	229	0.41	50871	90.10	**788**	29	0.05	56001	99.18	**836**	1	0.00	56446	99.97
742	228	0.40	51099	90.50	**789**	28	0.05	56029	99.23	**837**	1	0.00	56447	99.97
743	231	0.41	51330	90.91	**790**	27	0.05	56056	99.28	**838**	2	0.00	56449	99.98
744	216	0.38	51546	91.29	**791**	19	0.03	56075	99.31	**841**	2	0.00	56451	99.98
745	227	0.40	51773	91.69	**792**	23	0.04	56098	99.35	**843**	1	0.00	56452	99.98
746	230	0.41	52003	92.10	**793**	25	0.04	56123	99.40	**845**	1	0.00	56453	99.98
747	215	0.38	52218	92.48	**794**	18	0.03	56141	99.43	**849**	1	0.00	56454	99.98
748	193	0.34	52411	92.82	**795**	31	0.05	56172	99.48	**856**	1	0.00	56455	99.99
749	195	0.35	52606	93.17	**796**	18	0.03	56190	99.52	**860**	1	0.00	56456	99.99
750	166	0.29	52772	93.46	**797**	14	0.02	56204	99.54	**861**	1	0.00	56457	99.99
751	169	0.30	52941	93.76	**798**	10	0.02	56214	99.56	**863**	1	0.00	56458	99.99
752	182	0.32	53123	94.08	**799**	16	0.03	56230	99.59	**864**	1	0.00	56459	99.99
753	175	0.31	53298	94.39	**800**	15	0.03	56245	99.61	**866**	1	0.00	56460	99.99
754	162	0.29	53460	94.68	**801**	20	0.04	56265	99.65	**868**	1	0.00	56461	100.00
755	113	0.20	53573	94.88	**802**	6	0.01	56271	99.66	**871**	1	0.00	56462	100.00
756	152	0.27	53725	95.15	**803**	15	0.03	56286	99.69	**874**	1	0.00	56463	100.00
757	142	0.25	53867	95.40	**804**	15	0.03	56301	99.71					
758	133	0.24	54000	95.64	**805**	8	0.01	56309	99.73					
759	145	0.26	54145	95.89	**806**	8	0.01	56317	99.74					
760	96	0.17	54241	96.06	**807**	9	0.02	56326	99.76					
761	125	0.22	54366	96.29	**808**	9	0.02	56335	99.77					
762	103	0.18	54469	96.47	**809**	4	0.01	56339	99.78					
763	105	0.19	54574	96.65	**810**	7	0.01	56346	99.79					
764	105	0.19	54679	96.84	**811**	8	0.01	56354	99.81					
765	95	0.17	54774	97.01	**812**	10	0.02	56364	99.82					
766	102	0.18	54876	97.19	**813**	8	0.01	56372	99.84					
767	72	0.13	54948	97.32	**814**	3	0.01	56375	99.84					

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Table 187. Scale Score Distribution, Writing Grade 10

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
270	48	0.09	48	0.09	**337**	4	0.01	138	0.24	**385**	9	0.02	393	0.70
271	1	0.00	49	0.09	**338**	2	0.00	140	0.25	**386**	10	0.02	403	0.71
273	1	0.00	50	0.09	**339**	5	0.01	145	0.26	**387**	13	0.02	416	0.74
276	1	0.00	51	0.09	**340**	2	0.00	147	0.26	**388**	13	0.02	429	0.76
277	1	0.00	52	0.09	**342**	2	0.00	149	0.26	**389**	15	0.03	444	0.79
278	1	0.00	53	0.09	**343**	2	0.00	151	0.27	**390**	18	0.03	462	0.82
279	1	0.00	54	0.10	**344**	4	0.01	155	0.27	**391**	13	0.02	475	0.84
281	1	0.00	55	0.10	**345**	1	0.00	156	0.28	**392**	10	0.02	485	0.86
283	3	0.01	58	0.10	**346**	5	0.01	161	0.29	**393**	13	0.02	498	0.88
285	2	0.00	60	0.11	**347**	2	0.00	163	0.29	**394**	14	0.02	512	0.91
291	2	0.00	62	0.11	**348**	3	0.01	166	0.29	**395**	9	0.02	521	0.92
292	3	0.01	65	0.12	**349**	2	0.00	168	0.30	**396**	13	0.02	534	0.95
293	3	0.01	68	0.12	**350**	3	0.01	171	0.30	**397**	14	0.02	548	0.97
296	2	0.00	70	0.12	**351**	4	0.01	175	0.31	**398**	10	0.02	558	0.99
297	2	0.00	72	0.13	**352**	2	0.00	177	0.31	**399**	17	0.03	575	1.02
298	1	0.00	73	0.13	**353**	4	0.01	181	0.32	**400**	17	0.03	592	1.05
299	1	0.00	74	0.13	**354**	5	0.01	186	0.33	**401**	9	0.02	601	1.06
301	1	0.00	75	0.13	**355**	5	0.01	191	0.34	**402**	16	0.03	617	1.09
302	1	0.00	76	0.13	**356**	1	0.00	192	0.34	**403**	19	0.03	636	1.13
303	4	0.01	80	0.14	**357**	2	0.00	194	0.34	**404**	16	0.03	652	1.15
305	1	0.00	81	0.14	**358**	4	0.01	198	0.35	**405**	20	0.04	672	1.19
306	2	0.00	83	0.15	**359**	8	0.01	206	0.36	**406**	21	0.04	693	1.23
307	1	0.00	84	0.15	**360**	3	0.01	209	0.37	**407**	22	0.04	715	1.27
309	1	0.00	85	0.15	**361**	8	0.01	217	0.38	**408**	13	0.02	728	1.29
312	3	0.01	88	0.16	**362**	4	0.01	221	0.39	**409**	20	0.04	748	1.32
313	1	0.00	89	0.16	**363**	4	0.01	225	0.40	**410**	20	0.04	768	1.36
314	1	0.00	90	0.16	**364**	9	0.02	234	0.41	**411**	25	0.04	793	1.40
315	1	0.00	91	0.16	**365**	6	0.01	240	0.43	**412**	21	0.04	814	1.44
316	2	0.00	93	0.16	**366**	3	0.01	243	0.43	**413**	26	0.05	840	1.49
317	1	0.00	94	0.17	**367**	8	0.01	251	0.44	**414**	33	0.06	873	1.55
318	1	0.00	95	0.17	**368**	5	0.01	256	0.45	**415**	26	0.05	899	1.59
319	1	0.00	96	0.17	**369**	5	0.01	261	0.46	**416**	31	0.05	930	1.65
320	4	0.01	100	0.18	**370**	5	0.01	266	0.47	**417**	35	0.06	965	1.71
321	3	0.01	103	0.18	**371**	5	0.01	271	0.48	**418**	28	0.05	993	1.76
322	3	0.01	106	0.19	**372**	7	0.01	278	0.49	**419**	34	0.06	1027	1.82
323	2	0.00	108	0.19	**373**	7	0.01	285	0.50	**420**	28	0.05	1055	1.87
324	3	0.01	111	0.20	**374**	10	0.02	295	0.52	**421**	35	0.06	1090	1.93
325	2	0.00	113	0.20	**375**	9	0.02	304	0.54	**422**	33	0.06	1123	1.99
326	7	0.01	120	0.21	**376**	10	0.02	314	0.56	**423**	31	0.05	1154	2.04
329	4	0.01	124	0.22	**377**	6	0.01	320	0.57	**424**	29	0.05	1183	2.10
330	3	0.01	127	0.22	**378**	9	0.02	329	0.58	**425**	32	0.06	1215	2.15
331	1	0.00	128	0.23	**379**	13	0.02	342	0.61	**426**	30	0.05	1245	2.20
332	1	0.00	129	0.23	**380**	7	0.01	349	0.62	**427**	39	0.07	1284	2.27
333	1	0.00	130	0.23	**381**	6	0.01	355	0.63	**428**	42	0.07	1326	2.35
334	1	0.00	131	0.23	**382**	8	0.01	363	0.64	**429**	29	0.05	1355	2.40
335	2	0.00	133	0.24	**383**	6	0.01	369	0.65	**430**	37	0.07	1392	2.47
336	1	0.00	134	0.24	**384**	15	0.03	384	0.68	**431**	41	0.07	1433	2.54

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Table 187. Scale Score Distribution, Writing Grade 10 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
432	51	0.09	1484	2.63	**479**	124	0.22	5571	9.87	**526**	232	0.41	13923	24.66
433	45	0.08	1529	2.71	**480**	131	0.23	5702	10.10	**527**	230	0.41	14153	25.07
434	51	0.09	1580	2.80	**481**	128	0.23	5830	10.33	**528**	255	0.45	14408	25.52
435	47	0.08	1627	2.88	**482**	136	0.24	5966	10.57	**529**	251	0.44	14659	25.96
436	46	0.08	1673	2.96	**483**	128	0.23	6094	10.79	**530**	234	0.41	14893	26.38
437	55	0.10	1728	3.06	**484**	131	0.23	6225	11.02	**531**	242	0.43	15135	26.81
438	58	0.10	1786	3.16	**485**	123	0.22	6348	11.24	**532**	277	0.49	15412	27.30
439	54	0.10	1840	3.26	**486**	127	0.22	6475	11.47	**533**	258	0.46	15670	27.75
440	50	0.09	1890	3.35	**487**	141	0.25	6616	11.72	**534**	267	0.47	15937	28.23
441	74	0.13	1964	3.48	**488**	148	0.26	6764	11.98	**535**	255	0.45	16192	28.68
442	65	0.12	2029	3.59	**489**	126	0.22	6890	12.20	**536**	256	0.45	16448	29.13
443	54	0.10	2083	3.69	**490**	147	0.26	7037	12.46	**537**	256	0.45	16704	29.58
444	47	0.08	2130	3.77	**491**	153	0.27	7190	12.73	**538**	295	0.52	16999	30.11
445	66	0.12	2196	3.89	**492**	142	0.25	7332	12.99	**539**	262	0.46	17261	30.57
446	94	0.17	2290	4.06	**493**	159	0.28	7491	13.27	**540**	322	0.57	17583	31.14
447	65	0.12	2355	4.17	**494**	148	0.26	7639	13.53	**541**	288	0.51	17871	31.65
448	80	0.14	2435	4.31	**495**	141	0.25	7780	13.78	**542**	284	0.50	18155	32.15
449	69	0.12	2504	4.43	**496**	166	0.29	7946	14.07	**543**	293	0.52	18448	32.67
450	84	0.15	2588	4.58	**497**	155	0.27	8101	14.35	**544**	279	0.49	18727	33.17
451	82	0.15	2670	4.73	**498**	171	0.30	8272	14.65	**545**	317	0.56	19044	33.73
452	95	0.17	2765	4.90	**499**	152	0.27	8424	14.92	**546**	303	0.54	19347	34.26
453	80	0.14	2845	5.04	**500**	164	0.29	8588	15.21	**547**	289	0.51	19636	34.78
454	86	0.15	2931	5.19	**501**	171	0.30	8759	15.51	**548**	301	0.53	19937	35.31
455	82	0.15	3013	5.34	**502**	186	0.33	8945	15.84	**549**	326	0.58	20263	35.89
456	76	0.13	3089	5.47	**503**	189	0.33	9134	16.18	**550**	285	0.50	20548	36.39
457	95	0.17	3184	5.64	**504**	186	0.33	9320	16.51	**551**	283	0.50	20831	36.89
458	99	0.18	3283	5.81	**505**	159	0.28	9479	16.79	**552**	330	0.58	21161	37.48
459	87	0.15	3370	5.97	**506**	185	0.33	9664	17.12	**553**	322	0.57	21483	38.05
460	88	0.16	3458	6.12	**507**	177	0.31	9841	17.43	**554**	298	0.53	21781	38.58
461	81	0.14	3539	6.27	**508**	193	0.34	10034	17.77	**555**	337	0.60	22118	39.17
462	89	0.16	3628	6.43	**509**	190	0.34	10224	18.11	**556**	285	0.50	22403	39.68
463	96	0.17	3724	6.60	**510**	194	0.34	10418	18.45	**557**	333	0.59	22736	40.27
464	96	0.17	3820	6.77	**511**	198	0.35	10616	18.80	**558**	305	0.54	23041	40.81
465	103	0.18	3923	6.95	**512**	193	0.34	10809	19.14	**559**	290	0.51	23331	41.32
466	124	0.22	4047	7.17	**513**	193	0.34	11002	19.49	**560**	311	0.55	23642	41.87
467	115	0.20	4162	7.37	**514**	188	0.33	11190	19.82	**561**	324	0.57	23966	42.45
468	92	0.16	4254	7.53	**515**	220	0.39	11410	20.21	**562**	302	0.53	24268	42.98
469	103	0.18	4357	7.72	**516**	208	0.37	11618	20.58	**563**	355	0.63	24623	43.61
470	117	0.21	4474	7.92	**517**	199	0.35	11817	20.93	**564**	342	0.61	24965	44.21
471	116	0.21	4590	8.13	**518**	233	0.41	12050	21.34	**565**	347	0.61	25312	44.83
472	113	0.20	4703	8.33	**519**	221	0.39	12271	21.73	**566**	314	0.56	25626	45.39
473	120	0.21	4823	8.54	**520**	219	0.39	12490	22.12	**567**	308	0.55	25934	45.93
474	133	0.24	4956	8.78	**521**	245	0.43	12735	22.55	**568**	336	0.60	26270	46.53
475	130	0.23	5086	9.01	**522**	230	0.41	12965	22.96	**569**	326	0.58	26596	47.10
476	106	0.19	5192	9.20	**523**	219	0.39	13184	23.35	**570**	350	0.62	26946	47.72
477	109	0.19	5301	9.39	**524**	255	0.45	13439	23.80	**571**	355	0.63	27301	48.35
478	146	0.26	5447	9.65	**525**	252	0.45	13691	24.25	**572**	312	0.55	27613	48.90

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Table 187. Scale Score Distribution, Writing Grade 10 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
573	345	0.61	27958	49.52	**620**	240	0.43	42090	74.54	**667**	131	0.23	51249	90.77
574	299	0.53	28257	50.05	**621**	256	0.45	42346	75.00	**668**	117	0.21	51366	90.97
575	339	0.60	28596	50.65	**622**	257	0.46	42603	75.45	**669**	122	0.22	51488	91.19
576	344	0.61	28940	51.25	**623**	248	0.44	42851	75.89	**670**	131	0.23	51619	91.42
577	346	0.61	29286	51.87	**624**	221	0.39	43072	76.28	**671**	134	0.24	51753	91.66
578	359	0.64	29645	52.50	**625**	248	0.44	43320	76.72	**672**	109	0.19	51862	91.85
579	325	0.58	29970	53.08	**626**	248	0.44	43568	77.16	**673**	111	0.20	51973	92.05
580	304	0.54	30274	53.62	**627**	240	0.43	43808	77.59	**674**	129	0.23	52102	92.28
581	337	0.60	30611	54.21	**628**	253	0.45	44061	78.04	**675**	111	0.20	52213	92.47
582	314	0.56	30925	54.77	**629**	207	0.37	44268	78.40	**676**	127	0.22	52340	92.70
583	346	0.61	31271	55.38	**630**	220	0.39	44488	78.79	**677**	121	0.21	52461	92.91
584	333	0.59	31604	55.97	**631**	204	0.36	44692	79.15	**678**	115	0.20	52576	93.12
585	320	0.57	31924	56.54	**632**	248	0.44	44940	79.59	**679**	94	0.17	52670	93.28
586	322	0.57	32246	57.11	**633**	235	0.42	45175	80.01	**680**	77	0.14	52747	93.42
587	338	0.60	32584	57.71	**634**	216	0.38	45391	80.39	**681**	95	0.17	52842	93.59
588	328	0.58	32912	58.29	**635**	207	0.37	45598	80.76	**682**	77	0.14	52919	93.72
589	333	0.59	33245	58.88	**636**	185	0.33	45783	81.08	**683**	92	0.16	53011	93.89
590	347	0.61	33592	59.49	**637**	222	0.39	46005	81.48	**684**	104	0.18	53115	94.07
591	327	0.58	33919	60.07	**638**	213	0.38	46218	81.86	**685**	98	0.17	53213	94.24
592	300	0.53	34219	60.60	**639**	208	0.37	46426	82.22	**686**	93	0.16	53306	94.41
593	290	0.51	34509	61.12	**640**	214	0.38	46640	82.60	**687**	87	0.15	53393	94.56
594	321	0.57	34830	61.69	**641**	207	0.37	46847	82.97	**688**	98	0.17	53491	94.74
595	321	0.57	35151	62.25	**642**	194	0.34	47041	83.31	**689**	78	0.14	53569	94.87
596	278	0.49	35429	62.75	**643**	197	0.35	47238	83.66	**690**	90	0.16	53659	95.03
597	275	0.49	35704	63.23	**644**	188	0.33	47426	83.99	**691**	58	0.10	53717	95.14
598	299	0.53	36003	63.76	**645**	201	0.36	47627	84.35	**692**	54	0.10	53771	95.23
599	311	0.55	36314	64.31	**646**	183	0.32	47810	84.67	**693**	46	0.08	53817	95.31
600	278	0.49	36592	64.81	**647**	203	0.36	48013	85.03	**694**	86	0.15	53903	95.47
601	281	0.50	36873	65.30	**648**	192	0.34	48205	85.37	**695**	61	0.11	53964	95.57
602	294	0.52	37167	65.83	**649**	193	0.34	48398	85.72	**696**	71	0.13	54035	95.70
603	275	0.49	37442	66.31	**650**	194	0.34	48592	86.06	**697**	52	0.09	54087	95.79
604	287	0.51	37729	66.82	**651**	156	0.28	48748	86.34	**698**	107	0.19	54194	95.98
605	297	0.53	38026	67.35	**652**	144	0.26	48892	86.59	**699**	48	0.09	54242	96.07
606	286	0.51	38312	67.85	**653**	172	0.30	49064	86.90	**700**	67	0.12	54309	96.19
607	297	0.53	38609	68.38	**654**	164	0.29	49228	87.19	**701**	51	0.09	54360	96.28
608	277	0.49	38886	68.87	**655**	173	0.31	49401	87.49	**702**	41	0.07	54401	96.35
609	290	0.51	39176	69.38	**656**	183	0.32	49584	87.82	**703**	46	0.08	54447	96.43
610	267	0.47	39443	69.86	**657**	176	0.31	49760	88.13	**704**	46	0.08	54493	96.51
611	243	0.43	39686	70.29	**658**	189	0.33	49949	88.46	**705**	42	0.07	54535	96.59
612	271	0.48	39957	70.77	**659**	154	0.27	50103	88.74	**706**	33	0.06	54568	96.64
613	243	0.43	40200	71.20	**660**	161	0.29	50264	89.02	**707**	51	0.09	54619	96.73
614	256	0.45	40456	71.65	**661**	149	0.26	50413	89.29	**708**	35	0.06	54654	96.80
615	278	0.49	40734	72.14	**662**	128	0.23	50541	89.51	**709**	52	0.09	54706	96.89
616	271	0.48	41005	72.62	**663**	120	0.21	50661	89.72	**710**	43	0.08	54749	96.96
617	291	0.52	41296	73.14	**664**	137	0.24	50798	89.97	**711**	72	0.13	54821	97.09
618	271	0.48	41567	73.62	**665**	163	0.29	50961	90.26	**712**	42	0.07	54863	97.17
619	283	0.50	41850	74.12	**666**	157	0.28	51118	90.53	**713**	39	0.07	54902	97.24

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Table 187. Scale Score Distribution, Writing Grade 10 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
714	40	0.07	54942	97.31	**761**	13	0.02	56004	99.19	**808**	1	0.00	56335	99.77
715	33	0.06	54975	97.36	**762**	12	0.02	56016	99.21	**809**	1	0.00	56336	99.78
716	37	0.07	55012	97.43	**763**	7	0.01	56023	99.22	**810**	3	0.01	56339	99.78
717	26	0.05	55038	97.48	**764**	10	0.02	56033	99.24	**811**	4	0.01	56343	99.79
718	32	0.06	55070	97.53	**765**	41	0.07	56074	99.31	**813**	2	0.00	56345	99.79
719	29	0.05	55099	97.58	**766**	6	0.01	56080	99.32	**814**	3	0.01	56348	99.80
720	32	0.06	55131	97.64	**767**	6	0.01	56086	99.33	**816**	7	0.01	56355	99.81
721	31	0.05	55162	97.70	**768**	16	0.03	56102	99.36	**817**	1	0.00	56356	99.81
722	32	0.06	55194	97.75	**769**	7	0.01	56109	99.37	**824**	2	0.00	56358	99.81
723	52	0.09	55246	97.84	**770**	6	0.01	56115	99.38	**825**	2	0.00	56360	99.82
724	46	0.08	55292	97.93	**771**	10	0.02	56125	99.40	**826**	1	0.00	56361	99.82
725	34	0.06	55326	97.99	**772**	9	0.02	56134	99.42	**833**	2	0.00	56363	99.82
726	41	0.07	55367	98.06	**773**	7	0.01	56141	99.43	**834**	4	0.01	56367	99.83
727	28	0.05	55395	98.11	**774**	5	0.01	56146	99.44	**835**	2	0.00	56369	99.83
728	19	0.03	55414	98.14	**775**	4	0.01	56150	99.45	**839**	2	0.00	56371	99.84
729	30	0.05	55444	98.20	**776**	5	0.01	56155	99.45	**845**	13	0.02	56384	99.86
730	23	0.04	55467	98.24	**777**	8	0.01	56163	99.47	**847**	6	0.01	56390	99.87
731	32	0.06	55499	98.29	**778**	2	0.00	56165	99.47	**848**	7	0.01	56397	99.88
732	22	0.04	55521	98.33	**779**	2	0.00	56167	99.48	**850**	3	0.01	56400	99.89
733	16	0.03	55537	98.36	**780**	5	0.01	56172	99.48	**859**	2	0.00	56402	99.89
734	18	0.03	55555	98.39	**781**	4	0.01	56176	99.49	**860**	13	0.02	56415	99.91
735	25	0.04	55580	98.44	**782**	6	0.01	56182	99.50	**865**	2	0.00	56417	99.92
736	16	0.03	55596	98.46	**783**	5	0.01	56187	99.51	**869**	2	0.00	56419	99.92
737	18	0.03	55614	98.50	**784**	1	0.00	56188	99.51	**872**	7	0.01	56426	99.93
738	32	0.06	55646	98.55	**785**	4	0.01	56192	99.52	**876**	3	0.01	56429	99.94
739	20	0.04	55666	98.59	**786**	5	0.01	56197	99.53	**907**	5	0.01	56434	99.95
740	19	0.03	55685	98.62	**787**	7	0.01	56204	99.54	**950**	29	0.05	56463	100.00
741	18	0.03	55703	98.65	**788**	7	0.01	56211	99.55					
742	36	0.06	55739	98.72	**789**	5	0.01	56216	99.56					
743	19	0.03	55758	98.75	**790**	7	0.01	56223	99.57					
744	16	0.03	55774	98.78	**791**	5	0.01	56228	99.58					
745	22	0.04	55796	98.82	**792**	16	0.03	56244	99.61					
746	19	0.03	55815	98.85	**793**	4	0.01	56248	99.62					
747	23	0.04	55838	98.89	**794**	3	0.01	56251	99.62					
748	23	0.04	55861	98.93	**795**	2	0.00	56253	99.63					
749	16	0.03	55877	98.96	**796**	7	0.01	56260	99.64					
750	13	0.02	55890	98.99	**797**	22	0.04	56282	99.68					
751	8	0.01	55898	99.00	**798**	1	0.00	56283	99.68					
752	9	0.02	55907	99.02	**799**	11	0.02	56294	99.70					
753	14	0.02	55921	99.04	**800**	4	0.01	56298	99.71					
754	9	0.02	55930	99.06	**801**	6	0.01	56304	99.72					
755	7	0.01	55937	99.07	**802**	1	0.00	56305	99.72					
756	9	0.02	55946	99.08	**803**	5	0.01	56310	99.73					
757	14	0.02	55960	99.11	**804**	5	0.01	56315	99.74					
758	13	0.02	55973	99.13	**805**	11	0.02	56326	99.76					
759	5	0.01	55978	99.14	**806**	4	0.01	56330	99.76					
760	13	0.02	55991	99.16	**807**	4	0.01	56334	99.77					

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Table 188. Scale Score Distribution, Mathematics Grade 10

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
370	620	1.09	620	1.09	**417**	20	0.04	1110	1.96	**464**	35	0.06	2566	4.53
371	4	0.01	624	1.10	**418**	16	0.03	1126	1.99	**465**	46	0.08	2612	4.61
372	4	0.01	628	1.11	**419**	16	0.03	1142	2.02	**466**	57	0.10	2669	4.71
373	7	0.01	635	1.12	**420**	23	0.04	1165	2.06	**467**	68	0.12	2737	4.83
374	6	0.01	641	1.13	**421**	16	0.03	1181	2.09	**468**	45	0.08	2782	4.91
375	7	0.01	648	1.14	**422**	29	0.05	1210	2.14	**469**	50	0.09	2832	5.00
376	7	0.01	655	1.16	**423**	18	0.03	1228	2.17	**470**	56	0.10	2888	5.10
377	4	0.01	659	1.16	**424**	27	0.05	1255	2.22	**471**	73	0.13	2961	5.23
378	2	0.00	661	1.17	**425**	25	0.04	1280	2.26	**472**	71	0.13	3032	5.35
379	6	0.01	667	1.18	**426**	17	0.03	1297	2.29	**473**	56	0.10	3088	5.45
380	9	0.02	676	1.19	**427**	24	0.04	1321	2.33	**474**	60	0.11	3148	5.56
381	6	0.01	682	1.20	**428**	20	0.04	1341	2.37	**475**	62	0.11	3210	5.67
382	8	0.01	690	1.22	**429**	26	0.05	1367	2.41	**476**	67	0.12	3277	5.79
383	8	0.01	698	1.23	**430**	26	0.05	1393	2.46	**477**	72	0.13	3349	5.91
384	9	0.02	707	1.25	**431**	19	0.03	1412	2.49	**478**	72	0.13	3421	6.04
385	7	0.01	714	1.26	**432**	39	0.07	1451	2.56	**479**	77	0.14	3498	6.18
386	15	0.03	729	1.29	**433**	24	0.04	1475	2.60	**480**	60	0.11	3558	6.28
387	11	0.02	740	1.31	**434**	26	0.05	1501	2.65	**481**	51	0.09	3609	6.37
388	7	0.01	747	1.32	**435**	31	0.05	1532	2.70	**482**	88	0.16	3697	6.53
389	12	0.02	759	1.34	**436**	30	0.05	1562	2.76	**483**	75	0.13	3772	6.66
390	11	0.02	770	1.36	**437**	22	0.04	1584	2.80	**484**	88	0.16	3860	6.82
391	5	0.01	775	1.37	**438**	28	0.05	1612	2.85	**485**	81	0.14	3941	6.96
392	16	0.03	791	1.40	**439**	30	0.05	1642	2.90	**486**	99	0.17	4040	7.13
393	7	0.01	798	1.41	**440**	28	0.05	1670	2.95	**487**	82	0.14	4122	7.28
394	7	0.01	805	1.42	**441**	34	0.06	1704	3.01	**488**	82	0.14	4204	7.42
395	8	0.01	813	1.44	**442**	23	0.04	1727	3.05	**489**	100	0.18	4304	7.60
396	8	0.01	821	1.45	**443**	33	0.06	1760	3.11	**490**	82	0.14	4386	7.74
397	5	0.01	826	1.46	**444**	20	0.04	1780	3.14	**491**	93	0.16	4479	7.91
398	10	0.02	836	1.48	**445**	30	0.05	1810	3.20	**492**	93	0.16	4572	8.07
399	13	0.02	849	1.50	**446**	46	0.08	1856	3.28	**493**	105	0.19	4677	8.26
400	16	0.03	865	1.53	**447**	37	0.07	1893	3.34	**494**	106	0.19	4783	8.44
401	18	0.03	883	1.56	**448**	34	0.06	1927	3.40	**495**	90	0.16	4873	8.60
402	12	0.02	895	1.58	**449**	34	0.06	1961	3.46	**496**	97	0.17	4970	8.78
403	13	0.02	908	1.60	**450**	39	0.07	2000	3.53	**497**	108	0.19	5078	8.97
404	14	0.02	922	1.63	**451**	52	0.09	2052	3.62	**498**	102	0.18	5180	9.15
405	10	0.02	932	1.65	**452**	26	0.05	2078	3.67	**499**	120	0.21	5300	9.36
406	5	0.01	937	1.65	**453**	35	0.06	2113	3.73	**500**	97	0.17	5397	9.53
407	11	0.02	948	1.67	**454**	41	0.07	2154	3.80	**501**	91	0.16	5488	9.69
408	16	0.03	964	1.70	**455**	37	0.07	2191	3.87	**502**	121	0.21	5609	9.90
409	14	0.02	978	1.73	**456**	43	0.08	2234	3.94	**503**	102	0.18	5711	10.08
410	9	0.02	987	1.74	**457**	37	0.07	2271	4.01	**504**	116	0.20	5827	10.29
411	18	0.03	1005	1.77	**458**	50	0.09	2321	4.10	**505**	131	0.23	5958	10.52
412	15	0.03	1020	1.80	**459**	35	0.06	2356	4.16	**506**	134	0.24	6092	10.76
413	15	0.03	1035	1.83	**460**	48	0.08	2404	4.24	**507**	109	0.19	6201	10.95
414	24	0.04	1059	1.87	**461**	39	0.07	2443	4.31	**508**	132	0.23	6333	11.18
415	16	0.03	1075	1.90	**462**	38	0.07	2481	4.38	**509**	141	0.25	6474	11.43
416	15	0.03	1090	1.92	**463**	50	0.09	2531	4.47	**510**	141	0.25	6615	11.68

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Table 188. Scale Score Distribution, Mathematics Grade 10 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
511	107	0.19	6722	11.87	**558**	267	0.47	16254	28.70	**605**	335	0.59	31089	54.89
512	129	0.23	6851	12.10	**559**	313	0.55	16567	29.25	**606**	350	0.62	31439	55.51
513	158	0.28	7009	12.38	**560**	268	0.47	16835	29.72	**607**	366	0.65	31805	56.15
514	126	0.22	7135	12.60	**561**	257	0.45	17092	30.18	**608**	349	0.62	32154	56.77
515	157	0.28	7292	12.87	**562**	285	0.50	17377	30.68	**609**	357	0.63	32511	57.40
516	146	0.26	7438	13.13	**563**	290	0.51	17667	31.19	**610**	344	0.61	32855	58.01
517	157	0.28	7595	13.41	**564**	309	0.55	17976	31.74	**611**	358	0.63	33213	58.64
518	146	0.26	7741	13.67	**565**	288	0.51	18264	32.25	**612**	334	0.59	33547	59.23
519	153	0.27	7894	13.94	**566**	277	0.49	18541	32.74	**613**	337	0.60	33884	59.83
520	140	0.25	8034	14.18	**567**	288	0.51	18829	33.24	**614**	334	0.59	34218	60.42
521	169	0.30	8203	14.48	**568**	285	0.50	19114	33.75	**615**	364	0.64	34582	61.06
522	191	0.34	8394	14.82	**569**	310	0.55	19424	34.29	**616**	339	0.60	34921	61.66
523	154	0.27	8548	15.09	**570**	276	0.49	19700	34.78	**617**	327	0.58	35248	62.23
524	175	0.31	8723	15.40	**571**	311	0.55	20011	35.33	**618**	325	0.57	35573	62.81
525	193	0.34	8916	15.74	**572**	307	0.54	20318	35.87	**619**	360	0.64	35933	63.44
526	165	0.29	9081	16.03	**573**	293	0.52	20611	36.39	**620**	341	0.60	36274	64.05
527	203	0.36	9284	16.39	**574**	356	0.63	20967	37.02	**621**	346	0.61	36620	64.66
528	164	0.29	9448	16.68	**575**	293	0.52	21260	37.54	**622**	348	0.61	36968	65.27
529	202	0.36	9650	17.04	**576**	257	0.45	21517	37.99	**623**	335	0.59	37303	65.86
530	182	0.32	9832	17.36	**577**	332	0.59	21849	38.58	**624**	311	0.55	37614	66.41
531	199	0.35	10031	17.71	**578**	297	0.52	22146	39.10	**625**	327	0.58	37941	66.99
532	191	0.34	10222	18.05	**579**	305	0.54	22451	39.64	**626**	341	0.60	38282	67.59
533	192	0.34	10414	18.39	**580**	318	0.56	22769	40.20	**627**	320	0.56	38602	68.16
534	226	0.40	10640	18.79	**581**	300	0.53	23069	40.73	**628**	313	0.55	38915	68.71
535	159	0.28	10799	19.07	**582**	314	0.55	23383	41.29	**629**	317	0.56	39232	69.27
536	177	0.31	10976	19.38	**583**	320	0.56	23703	41.85	**630**	313	0.55	39545	69.82
537	197	0.35	11173	19.73	**584**	308	0.54	24011	42.39	**631**	317	0.56	39862	70.38
538	200	0.35	11373	20.08	**585**	336	0.59	24347	42.99	**632**	297	0.52	40159	70.90
539	220	0.39	11593	20.47	**586**	335	0.59	24682	43.58	**633**	273	0.48	40432	71.39
540	196	0.35	11789	20.81	**587**	324	0.57	25006	44.15	**634**	330	0.58	40762	71.97
541	237	0.42	12026	21.23	**588**	343	0.61	25349	44.76	**635**	310	0.55	41072	72.52
542	217	0.38	12243	21.62	**589**	356	0.63	25705	45.38	**636**	319	0.56	41391	73.08
543	219	0.39	12462	22.00	**590**	344	0.61	26049	45.99	**637**	300	0.53	41691	73.61
544	224	0.40	12686	22.40	**591**	288	0.51	26337	46.50	**638**	302	0.53	41993	74.14
545	208	0.37	12894	22.77	**592**	348	0.61	26685	47.12	**639**	320	0.56	42313	74.71
546	248	0.44	13142	23.20	**593**	347	0.61	27032	47.73	**640**	313	0.55	42626	75.26
547	227	0.40	13369	23.60	**594**	321	0.57	27353	48.29	**641**	296	0.52	42922	75.78
548	247	0.44	13616	24.04	**595**	327	0.58	27680	48.87	**642**	311	0.55	43233	76.33
549	251	0.44	13867	24.48	**596**	342	0.60	28022	49.48	**643**	312	0.55	43545	76.88
550	239	0.42	14106	24.91	**597**	331	0.58	28353	50.06	**644**	306	0.54	43851	77.42
551	241	0.43	14347	25.33	**598**	352	0.62	28705	50.68	**645**	258	0.46	44109	77.88
552	267	0.47	14614	25.80	**599**	376	0.66	29081	51.35	**646**	303	0.53	44412	78.41
553	272	0.48	14886	26.28	**600**	350	0.62	29431	51.96	**647**	275	0.49	44687	78.90
554	270	0.48	15156	26.76	**601**	329	0.58	29760	52.54	**648**	273	0.48	44960	79.38
555	241	0.43	15397	27.18	**602**	325	0.57	30085	53.12	**649**	286	0.50	45246	79.89
556	275	0.49	15672	27.67	**603**	341	0.60	30426	53.72	**650**	285	0.50	45531	80.39
557	315	0.56	15987	28.23	**604**	328	0.58	30754	54.30	**651**	247	0.44	45778	80.83

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Table 188. Scale Score Distribution, Mathematics Grade 10 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
652	265	0.47	46043	81.29	**699**	71	0.13	54242	95.77	**746**	13	0.02	56313	99.43
653	244	0.43	46287	81.72	**700**	90	0.16	54332	95.93	**747**	22	0.04	56335	99.47
654	252	0.44	46539	82.17	**701**	89	0.16	54421	96.09	**748**	21	0.04	56356	99.50
655	241	0.43	46780	82.59	**702**	83	0.15	54504	96.23	**749**	12	0.02	56368	99.52
656	245	0.43	47025	83.03	**703**	76	0.13	54580	96.37	**750**	8	0.01	56376	99.54
657	222	0.39	47247	83.42	**704**	69	0.12	54649	96.49	**751**	7	0.01	56383	99.55
658	221	0.39	47468	83.81	**705**	95	0.17	54744	96.66	**752**	11	0.02	56394	99.57
659	233	0.41	47701	84.22	**706**	82	0.14	54826	96.80	**753**	7	0.01	56401	99.58
660	236	0.42	47937	84.64	**707**	69	0.12	54895	96.92	**754**	13	0.02	56414	99.60
661	252	0.44	48189	85.08	**708**	69	0.12	54964	97.04	**755**	10	0.02	56424	99.62
662	223	0.39	48412	85.48	**709**	80	0.14	55044	97.19	**756**	6	0.01	56430	99.63
663	214	0.38	48626	85.85	**710**	56	0.10	55100	97.28	**757**	10	0.02	56440	99.65
664	223	0.39	48849	86.25	**711**	55	0.10	55155	97.38	**758**	12	0.02	56452	99.67
665	213	0.38	49062	86.62	**712**	54	0.10	55209	97.48	**759**	9	0.02	56461	99.69
666	199	0.35	49261	86.98	**713**	50	0.09	55259	97.57	**760**	3	0.01	56464	99.69
667	211	0.37	49472	87.35	**714**	52	0.09	55311	97.66	**761**	9	0.02	56473	99.71
668	219	0.39	49691	87.73	**715**	50	0.09	55361	97.75	**762**	4	0.01	56477	99.72
669	241	0.43	49932	88.16	**716**	51	0.09	55412	97.84	**763**	6	0.01	56483	99.73
670	205	0.36	50137	88.52	**717**	50	0.09	55462	97.92	**764**	7	0.01	56490	99.74
671	198	0.35	50335	88.87	**718**	53	0.09	55515	98.02	**765**	8	0.01	56498	99.75
672	185	0.33	50520	89.20	**719**	48	0.08	55563	98.10	**766**	7	0.01	56505	99.77
673	207	0.37	50727	89.56	**720**	45	0.08	55608	98.18	**767**	6	0.01	56511	99.78
674	192	0.34	50919	89.90	**721**	40	0.07	55648	98.25	**768**	5	0.01	56516	99.78
675	183	0.32	51102	90.23	**722**	43	0.08	55691	98.33	**769**	5	0.01	56521	99.79
676	157	0.28	51259	90.50	**723**	39	0.07	55730	98.40	**770**	4	0.01	56525	99.80
677	193	0.34	51452	90.84	**724**	42	0.07	55772	98.47	**771**	6	0.01	56531	99.81
678	159	0.28	51611	91.12	**725**	36	0.06	55808	98.53	**772**	6	0.01	56537	99.82
679	141	0.25	51752	91.37	**726**	38	0.07	55846	98.60	**773**	3	0.01	56540	99.83
680	171	0.30	51923	91.68	**727**	31	0.05	55877	98.66	**774**	1	0.00	56541	99.83
681	148	0.26	52071	91.94	**728**	34	0.06	55911	98.72	**775**	6	0.01	56547	99.84
682	143	0.25	52214	92.19	**729**	28	0.05	55939	98.77	**776**	2	0.00	56549	99.84
683	141	0.25	52355	92.44	**730**	33	0.06	55972	98.82	**777**	3	0.01	56552	99.85
684	150	0.26	52505	92.70	**731**	19	0.03	55991	98.86	**778**	4	0.01	56556	99.86
685	142	0.25	52647	92.95	**732**	20	0.04	56011	98.89	**779**	3	0.01	56559	99.86
686	135	0.24	52782	93.19	**733**	34	0.06	56045	98.95	**780**	5	0.01	56564	99.87
687	131	0.23	52913	93.42	**734**	28	0.05	56073	99.00	**781**	3	0.01	56567	99.87
688	130	0.23	53043	93.65	**735**	21	0.04	56094	99.04	**782**	3	0.01	56570	99.88
689	125	0.22	53168	93.87	**736**	24	0.04	56118	99.08	**783**	5	0.01	56575	99.89
690	125	0.22	53293	94.09	**737**	22	0.04	56140	99.12	**784**	2	0.00	56577	99.89
691	113	0.20	53406	94.29	**738**	17	0.03	56157	99.15	**785**	1	0.00	56578	99.89
692	124	0.22	53530	94.51	**739**	15	0.03	56172	99.18	**786**	2	0.00	56580	99.90
693	110	0.19	53640	94.71	**740**	19	0.03	56191	99.21	**787**	5	0.01	56585	99.91
694	110	0.19	53750	94.90	**741**	17	0.03	56208	99.24	**788**	4	0.01	56589	99.91
695	85	0.15	53835	95.05	**742**	26	0.05	56234	99.29	**789**	2	0.00	56591	99.92
696	113	0.20	53948	95.25	**743**	14	0.02	56248	99.31	**790**	1	0.00	56592	99.92
697	120	0.21	54068	95.46	**744**	32	0.06	56280	99.37	**793**	2	0.00	56594	99.92
698	103	0.18	54171	95.64	**745**	20	0.04	56300	99.40	**794**	4	0.01	56598	99.93

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Table 188. Scale Score Distribution, Mathematics Grade 10 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %
795	4	0.01	56602	99.94
797	4	0.01	56606	99.94
798	1	0.00	56607	99.95
800	1	0.00	56608	99.95
801	1	0.00	56609	99.95
804	3	0.01	56612	99.95
805	3	0.01	56615	99.96
807	3	0.01	56618	99.96
811	2	0.00	56620	99.97
813	2	0.00	56622	99.97
816	1	0.00	56623	99.97
821	1	0.00	56624	99.98
822	1	0.00	56625	99.98
825	1	0.00	56626	99.98
830	3	0.01	56629	99.98
835	1	0.00	56630	99.99
837	1	0.00	56631	99.99
841	1	0.00	56632	99.99
844	1	0.00	56633	99.99
849	2	0.00	56635	99.99
874	3	0.01	56638	100.00

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Table 189. Scale Score Distribution, Science Grade 10

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
300	752	1.33	752	1.33	**347**	28	0.05	1548	2.74	**394**	85	0.15	4131	7.30
301	9	0.02	761	1.35	**348**	27	0.05	1575	2.78	**395**	82	0.14	4213	7.45
302	8	0.01	769	1.36	**349**	30	0.05	1605	2.84	**396**	102	0.18	4315	7.63
303	11	0.02	780	1.38	**350**	37	0.07	1642	2.90	**397**	88	0.16	4403	7.78
304	13	0.02	793	1.40	**351**	30	0.05	1672	2.96	**398**	97	0.17	4500	7.95
305	7	0.01	800	1.41	**352**	35	0.06	1707	3.02	**399**	110	0.19	4610	8.15
306	12	0.02	812	1.44	**353**	38	0.07	1745	3.08	**400**	110	0.19	4720	8.34
307	11	0.02	823	1.45	**354**	43	0.08	1788	3.16	**401**	98	0.17	4818	8.52
308	11	0.02	834	1.47	**355**	34	0.06	1822	3.22	**402**	108	0.19	4926	8.71
309	7	0.01	841	1.49	**356**	27	0.05	1849	3.27	**403**	123	0.22	5049	8.92
310	6	0.01	847	1.50	**357**	28	0.05	1877	3.32	**404**	117	0.21	5166	9.13
311	14	0.02	861	1.52	**358**	51	0.09	1928	3.41	**405**	92	0.16	5258	9.29
312	8	0.01	869	1.54	**359**	33	0.06	1961	3.47	**406**	115	0.20	5373	9.50
313	14	0.02	883	1.56	**360**	42	0.07	2003	3.54	**407**	112	0.20	5485	9.69
314	15	0.03	898	1.59	**361**	42	0.07	2045	3.61	**408**	93	0.16	5578	9.86
315	9	0.02	907	1.60	**362**	46	0.08	2091	3.70	**409**	129	0.23	5707	10.09
316	11	0.02	918	1.62	**363**	46	0.08	2137	3.78	**410**	101	0.18	5808	10.27
317	14	0.02	932	1.65	**364**	38	0.07	2175	3.84	**411**	123	0.22	5931	10.48
318	15	0.03	947	1.67	**365**	42	0.07	2217	3.92	**412**	115	0.20	6046	10.69
319	16	0.03	963	1.70	**366**	44	0.08	2261	4.00	**413**	127	0.22	6173	10.91
320	6	0.01	969	1.71	**367**	59	0.10	2320	4.10	**414**	115	0.20	6288	11.11
321	14	0.02	983	1.74	**368**	44	0.08	2364	4.18	**415**	108	0.19	6396	11.31
322	12	0.02	995	1.76	**369**	47	0.08	2411	4.26	**416**	146	0.26	6542	11.56
323	15	0.03	1010	1.79	**370**	57	0.10	2468	4.36	**417**	113	0.20	6655	11.76
324	16	0.03	1026	1.81	**371**	56	0.10	2524	4.46	**418**	151	0.27	6806	12.03
325	16	0.03	1042	1.84	**372**	54	0.10	2578	4.56	**419**	135	0.24	6941	12.27
326	15	0.03	1057	1.87	**373**	52	0.09	2630	4.65	**420**	133	0.24	7074	12.50
327	18	0.03	1075	1.90	**374**	71	0.13	2701	4.77	**421**	146	0.26	7220	12.76
328	23	0.04	1098	1.94	**375**	55	0.10	2756	4.87	**422**	153	0.27	7373	13.03
329	11	0.02	1109	1.96	**376**	41	0.07	2797	4.94	**423**	155	0.27	7528	13.31
330	21	0.04	1130	2.00	**377**	56	0.10	2853	5.04	**424**	144	0.25	7672	13.56
331	18	0.03	1148	2.03	**378**	67	0.12	2920	5.16	**425**	157	0.28	7829	13.84
332	20	0.04	1168	2.06	**379**	70	0.12	2990	5.28	**426**	153	0.27	7982	14.11
333	14	0.02	1182	2.09	**380**	55	0.10	3045	5.38	**427**	150	0.27	8132	14.37
334	20	0.04	1202	2.12	**381**	67	0.12	3112	5.50	**428**	161	0.28	8293	14.66
335	31	0.05	1233	2.18	**382**	57	0.10	3169	5.60	**429**	171	0.30	8464	14.96
336	20	0.04	1253	2.21	**383**	64	0.11	3233	5.71	**430**	174	0.31	8638	15.27
337	27	0.05	1280	2.26	**384**	65	0.11	3298	5.83	**431**	164	0.29	8802	15.56
338	28	0.05	1308	2.31	**385**	70	0.12	3368	5.95	**432**	175	0.31	8977	15.87
339	29	0.05	1337	2.36	**386**	83	0.15	3451	6.10	**433**	166	0.29	9143	16.16
340	25	0.04	1362	2.41	**387**	84	0.15	3535	6.25	**434**	169	0.30	9312	16.46
341	11	0.02	1373	2.43	**388**	70	0.12	3605	6.37	**435**	198	0.35	9510	16.81
342	29	0.05	1402	2.48	**389**	83	0.15	3688	6.52	**436**	163	0.29	9673	17.10
343	33	0.06	1435	2.54	**390**	88	0.16	3776	6.67	**437**	177	0.31	9850	17.41
344	34	0.06	1469	2.60	**391**	92	0.16	3868	6.84	**438**	173	0.31	10023	17.72
345	22	0.04	1491	2.64	**392**	94	0.17	3962	7.00	**439**	177	0.31	10200	18.03
346	29	0.05	1520	2.69	**393**	84	0.15	4046	7.15	**440**	210	0.37	10410	18.40

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Table 189. Scale Score Distribution, Science Grade 10 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
441	205	0.36	10615	18.76	**488**	303	0.54	22719	40.16	**535**	376	0.66	40133	70.94
442	161	0.28	10776	19.05	**489**	329	0.58	23048	40.74	**536**	365	0.65	40498	71.58
443	182	0.32	10958	19.37	**490**	349	0.62	23397	41.35	**537**	367	0.65	40865	72.23
444	175	0.31	11133	19.68	**491**	330	0.58	23727	41.94	**538**	359	0.63	41224	72.86
445	180	0.32	11313	20.00	**492**	326	0.58	24053	42.51	**539**	375	0.66	41599	73.53
446	221	0.39	11534	20.39	**493**	347	0.61	24400	43.13	**540**	383	0.68	41982	74.20
447	181	0.32	11715	20.71	**494**	315	0.56	24715	43.68	**541**	370	0.65	42352	74.86
448	226	0.40	11941	21.11	**495**	355	0.63	25070	44.31	**542**	334	0.59	42686	75.45
449	223	0.39	12164	21.50	**496**	357	0.63	25427	44.94	**543**	375	0.66	43061	76.11
450	217	0.38	12381	21.88	**497**	371	0.66	25798	45.60	**544**	332	0.59	43393	76.70
451	214	0.38	12595	22.26	**498**	333	0.59	26131	46.19	**545**	361	0.64	43754	77.34
452	204	0.36	12799	22.62	**499**	364	0.64	26495	46.83	**546**	347	0.61	44101	77.95
453	218	0.39	13017	23.01	**500**	376	0.66	26871	47.50	**547**	341	0.60	44442	78.55
454	242	0.43	13259	23.44	**501**	364	0.64	27235	48.14	**548**	306	0.54	44748	79.09
455	209	0.37	13468	23.81	**502**	367	0.65	27602	48.79	**549**	309	0.55	45057	79.64
456	228	0.40	13696	24.21	**503**	356	0.63	27958	49.42	**550**	310	0.55	45367	80.19
457	246	0.43	13942	24.64	**504**	360	0.64	28318	50.05	**551**	361	0.64	45728	80.83
458	203	0.36	14145	25.00	**505**	375	0.66	28693	50.72	**552**	332	0.59	46060	81.41
459	271	0.48	14416	25.48	**506**	378	0.67	29071	51.38	**553**	296	0.52	46356	81.94
460	250	0.44	14666	25.92	**507**	349	0.62	29420	52.00	**554**	317	0.56	46673	82.50
461	218	0.39	14884	26.31	**508**	399	0.71	29819	52.71	**555**	296	0.52	46969	83.02
462	241	0.43	15125	26.73	**509**	374	0.66	30193	53.37	**556**	314	0.56	47283	83.57
463	256	0.45	15381	27.19	**510**	413	0.73	30606	54.10	**557**	285	0.50	47568	84.08
464	243	0.43	15624	27.62	**511**	414	0.73	31020	54.83	**558**	269	0.48	47837	84.55
465	253	0.45	15877	28.06	**512**	356	0.63	31376	55.46	**559**	306	0.54	48143	85.09
466	253	0.45	16130	28.51	**513**	351	0.62	31727	56.08	**560**	288	0.51	48431	85.60
467	277	0.49	16407	29.00	**514**	355	0.63	32082	56.71	**561**	255	0.45	48686	86.05
468	281	0.50	16688	29.50	**515**	366	0.65	32448	57.35	**562**	282	0.50	48968	86.55
469	296	0.52	16984	30.02	**516**	354	0.63	32802	57.98	**563**	270	0.48	49238	87.03
470	244	0.43	17228	30.45	**517**	364	0.64	33166	58.62	**564**	270	0.48	49508	87.51
471	292	0.52	17520	30.97	**518**	384	0.68	33550	59.30	**565**	225	0.40	49733	87.90
472	304	0.54	17824	31.50	**519**	399	0.71	33949	60.01	**566**	265	0.47	49998	88.37
473	279	0.49	18103	32.00	**520**	396	0.70	34345	60.71	**567**	253	0.45	50251	88.82
474	257	0.45	18360	32.45	**521**	385	0.68	34730	61.39	**568**	257	0.45	50508	89.27
475	302	0.53	18662	32.99	**522**	429	0.76	35159	62.14	**569**	235	0.42	50743	89.69
476	283	0.50	18945	33.49	**523**	402	0.71	35561	62.86	**570**	223	0.39	50966	90.08
477	281	0.50	19226	33.98	**524**	368	0.65	35929	63.51	**571**	197	0.35	51163	90.43
478	333	0.59	19559	34.57	**525**	367	0.65	36296	64.15	**572**	213	0.38	51376	90.81
479	291	0.51	19850	35.09	**526**	404	0.71	36700	64.87	**573**	199	0.35	51575	91.16
480	331	0.59	20181	35.67	**527**	356	0.63	37056	65.50	**574**	193	0.34	51768	91.50
481	292	0.52	20473	36.19	**528**	393	0.69	37449	66.19	**575**	184	0.33	51952	91.83
482	307	0.54	20780	36.73	**529**	395	0.70	37844	66.89	**576**	164	0.29	52116	92.12
483	296	0.52	21076	37.25	**530**	406	0.72	38250	67.61	**577**	187	0.33	52303	92.45
484	322	0.57	21398	37.82	**531**	389	0.69	38639	68.30	**578**	157	0.28	52460	92.72
485	328	0.58	21726	38.40	**532**	370	0.65	39009	68.95	**579**	167	0.30	52627	93.02
486	334	0.59	22060	38.99	**533**	374	0.66	39383	69.61	**580**	156	0.28	52783	93.30
487	356	0.63	22416	39.62	**534**	374	0.66	39757	70.27	**581**	149	0.26	52932	93.56

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Table 189. Scale Score Distribution, Science Grade 10 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
582	155	0.27	53087	93.83	**629**	16	0.03	56303	99.52
583	153	0.27	53240	94.10	**630**	19	0.03	56322	99.55
584	148	0.26	53388	94.37	**631**	15	0.03	56337	99.58
585	134	0.24	53522	94.60	**632**	13	0.02	56350	99.60
586	119	0.21	53641	94.81	**633**	19	0.03	56369	99.63
587	117	0.21	53758	95.02	**634**	10	0.02	56379	99.65
588	137	0.24	53895	95.26	**635**	14	0.02	56393	99.68
589	112	0.20	54007	95.46	**636**	8	0.01	56401	99.69
590	125	0.22	54132	95.68	**637**	13	0.02	56414	99.71
591	96	0.17	54228	95.85	**638**	10	0.02	56424	99.73
592	107	0.19	54335	96.04	**639**	9	0.02	56433	99.75
593	109	0.19	54444	96.23	**640**	14	0.02	56447	99.77
594	85	0.15	54529	96.38	**641**	9	0.02	56456	99.79
595	95	0.17	54624	96.55	**642**	11	0.02	56467	99.81
596	105	0.19	54729	96.74	**643**	5	0.01	56472	99.82
597	103	0.18	54832	96.92	**644**	8	0.01	56480	99.83
598	92	0.16	54924	97.08	**645**	3	0.01	56483	99.84
599	83	0.15	55007	97.23	**646**	9	0.02	56492	99.85
600	74	0.13	55081	97.36	**647**	5	0.01	56497	99.86
601	69	0.12	55150	97.48	**648**	7	0.01	56504	99.87
602	81	0.14	55231	97.62	**649**	9	0.02	56513	99.89
603	74	0.13	55305	97.75	**650**	4	0.01	56517	99.90
604	74	0.13	55379	97.88	**651**	4	0.01	56521	99.90
605	52	0.09	55431	97.98	**652**	3	0.01	56524	99.91
606	72	0.13	55503	98.10	**653**	3	0.01	56527	99.91
607	71	0.13	55574	98.23	**654**	5	0.01	56532	99.92
608	62	0.11	55636	98.34	**655**	5	0.01	56537	99.93
609	51	0.09	55687	98.43	**656**	1	0.00	56538	99.93
610	57	0.10	55744	98.53	**657**	5	0.01	56543	99.94
611	49	0.09	55793	98.62	**658**	4	0.01	56547	99.95
612	35	0.06	55828	98.68	**659**	1	0.00	56548	99.95
613	45	0.08	55873	98.76	**660**	4	0.01	56552	99.96
614	34	0.06	55907	98.82	**662**	1	0.00	56553	99.96
615	41	0.07	55948	98.89	**663**	1	0.00	56554	99.96
616	30	0.05	55978	98.94	**664**	3	0.01	56557	99.97
617	41	0.07	56019	99.02	**665**	2	0.00	56559	99.97
618	35	0.06	56054	99.08	**666**	2	0.00	56561	99.97
619	26	0.05	56080	99.12	**667**	3	0.01	56564	99.98
620	27	0.05	56107	99.17	**668**	1	0.00	56565	99.98
621	27	0.05	56134	99.22	**669**	1	0.00	56566	99.98
622	26	0.05	56160	99.26	**670**	3	0.01	56569	99.99
623	30	0.05	56190	99.32	**674**	1	0.00	56570	99.99
624	27	0.05	56217	99.37	**681**	2	0.00	56572	99.99
625	13	0.02	56230	99.39	**682**	1	0.00	56573	99.99
626	20	0.04	56250	99.42	**689**	1	0.00	56574	100.00
627	21	0.04	56271	99.46	**693**	2	0.00	56576	100.00
628	16	0.03	56287	99.49					

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Table 190. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 3

Name	CS 1	SA 1/4	SA 2	SA 3	Total
Mean	559.2	557.9	550.4	585.7	559.2
SD	77.72	87.88	110.35	134.67	77.72
N	61483	61483	61483	61483	61483
CS 1		0.926	0.813	0.766	1.000
SA 1/4			0.690	0.628	0.926
SA 2				0.588	0.813
SA 3					0.766

Table 191. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 3 (Spanish)

Name	CS 1	SA 1/4	SA 2	SA 3	Total
Mean	521.5	521.8	522.0	520.5	521.5
SD	50.37	58.91	64.15	77.93	50.37
N	1192	1192	1192	1192	1192
CS 1		0.909	0.815	0.776	1.000
SA 1/4			0.652	0.622	0.909
SA 2				0.587	0.815
SA 3					0.776

Table 192. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 4

Name	CS 1	CS 4	CS 5	CS 6	SA 1/4	SA 2	SA 3	Total
Mean	586.3	583.4	591.3	585.6	585.5	583.5	612.4	585.4
SD	69.08	102.91	102.20	82.73	70.72	93.93	143.57	63.42
N	62331	62331	62331	62331	62331	62331	62331	62331
CS 1		0.736	0.697	0.740	0.885	0.818	0.724	0.942
CS 4			0.602	0.669	0.772	0.815	0.530	0.817
CS 5				0.619	0.678	0.625	0.549	0.791
CS 6					0.861	0.683	0.573	0.833
SA 1/4						0.747	0.590	0.928
SA 2							0.548	0.846
SA 3								0.698

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Table 193. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 4 (Spanish)

Name	CS 1	CS 4	CS 5	CS 6	SA 1/4	SA 2	SA 3	Total
Mean	533.9	524.4	528.1	529.8	524.1	538.2	556.7	531.7
SD	35.76	53.07	55.97	47.92	39.41	33.35	83.54	32.71
N	125	125	125	125	125	125	125	125
CS 1		0.595	0.657	0.619	0.890	0.807	0.683	0.939
CS 4			0.456	0.549	0.721	0.681	0.409	0.716
CS 5				0.537	0.643	0.614	0.495	0.788
CS 6					0.782	0.599	0.505	0.752
SA 1/4						0.714	0.560	0.936
SA 2							0.549	0.855
SA 3								0.663

Table 194. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 5

Name	CS 1	CS 4	CS 5	CS 6	SA 1/4	SA 2	SA 3	Total
Mean	612.4	613.6	604.7	606.1	610.3	610.5	642.1	610.2
SD	78.93	92.97	103.87	90.64	80.58	79.16	153.50	67.70
N	61724	61724	61724	61724	61724	61724	61724	61724
CS 1		0.712	0.709	0.724	0.804	0.845	0.759	0.914
CS 4			0.649	0.671	0.764	0.826	0.570	0.835
CS 5				0.659	0.686	0.713	0.563	0.817
CS 6					0.832	0.789	0.560	0.842
SA 1/4						0.754	0.590	0.878
SA 2							0.603	0.921
SA 3								0.715

Table 195. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 6

Name	CS 1	CS 4	CS 5	CS 6	SA 1/4	SA 2	SA 3	Total
Mean	626.6	633.6	629.1	624.6	626.1	627.0	663.4	626.2
SD	71.42	92.98	95.24	83.51	71.69	83.37	148.75	65.17
N	60359	60359	60359	60359	60359	60359	60359	60359
CS 1		0.716	0.720	0.747	0.861	0.812	0.763	0.924
CS 4			0.640	0.675	0.774	0.809	0.560	0.822
CS 5				0.686	0.715	0.697	0.558	0.832
CS 6					0.894	0.754	0.559	0.867
SA 1/4						0.759	0.610	0.930
SA 2							0.576	0.874
SA 3								0.714

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Table 196. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 7

Name	CS 1	CS 4	CS 5	CS 6	SA 1	SA 2	SA 3	SA 4	Total
Mean	640.3	642.4	647.0	639.8	641.2	636.2	668.6	640.0	640.1
SD	75.88	82.00	90.52	82.92	76.58	102.02	141.88	93.86	65.33
N	59402	59402	59402	59402	59402	59402	59402	59402	59402
CS 1		0.753	0.721	0.752	0.845	0.802	0.750	0.674	0.928
CS 4			0.663	0.719	0.818	0.750	0.605	0.700	0.867
CS 5				0.678	0.702	0.636	0.557	0.613	0.829
CS 6					0.842	0.661	0.579	0.827	0.868
SA 1						0.683	0.603	0.659	0.907
SA 2							0.560	0.598	0.816
SA 3								0.529	0.723
SA 4									0.783

Table 197. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 8

Name	CS 1	CS 4	CS 5	CS 6	SA 1	SA 2	SA 3	SA 4	Total
Mean	654.8	655.5	654.1	652.5	653.9	655.0	663.3	654.6	652.4
SD	70.52	74.48	82.58	74.25	72.42	81.75	91.88	92.23	58.75
N	58026	58026	58026	58026	58026	58026	58026	58026	58026
CS 1		0.726	0.723	0.716	0.748	0.810	0.831	0.655	0.906
CS 4			0.666	0.727	0.797	0.760	0.602	0.749	0.866
CS 5				0.652	0.657	0.665	0.629	0.596	0.834
CS 6					0.892	0.732	0.577	0.751	0.871
SA 1						0.690	0.584	0.669	0.878
SA 2							0.596	0.615	0.851
SA 3								0.542	0.759
SA 4									0.777

Table 198. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 9

Name	CS 1	CS 4	CS 5	CS 6	SA 1	SA 2	SA 3	SA 4	Total
Mean	658.6	658.4	666.3	658.6	664.1	656.8	678.5	654.6	658.5
SD	56.59	65.30	78.02	65.75	76.99	58.81	108.15	106.62	50.19
N	58886	58886	58886	58886	58886	58886	58886	58886	58886
CS 1		0.770	0.672	0.744	0.731	0.892	0.694	0.632	0.932
CS 4			0.619	0.704	0.715	0.855	0.532	0.654	0.865
CS 5				0.609	0.567	0.646	0.530	0.529	0.779
CS 6					0.767	0.745	0.541	0.709	0.841
SA 1						0.681	0.498	0.547	0.792
SA 2							0.537	0.608	0.908
SA 3								0.473	0.673
SA 4									0.717

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Table 199. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 10

Name	CS 1	CS 4	CS 5	CS 6	SA 1	SA 2	SA 3	SA 4	Total
Mean	679.3	679.0	683.4	679.4	679.6	675.5	692.9	681.1	679.4
SD	61.75	68.15	75.51	72.25	66.63	75.89	102.45	84.81	54.31
N	56463	56463	56463	56463	56463	56463	56463	56463	56463
CS 1		0.755	0.710	0.772	0.831	0.837	0.730	0.685	0.927
CS 4			0.669	0.712	0.784	0.801	0.581	0.711	0.860
CS 5				0.641	0.654	0.648	0.604	0.606	0.813
CS 6					0.879	0.729	0.543	0.734	0.867
SA 1						0.748	0.552	0.637	0.892
SA 2							0.532	0.617	0.857
SA 3								0.543	0.706
SA 4									0.768

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Table 200. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 3

Name	CS 2	CS 3	SA 5	SA 7	SA 8	Total
Mean	468.9	480.0	470.3	492.5	505.0	466.8
SD	62.86	79.79	64.94	99.15	113.86	53.95
N	61655	61655	61655	61655	61655	61655
CS 2		0.627	0.956	0.569	0.568	0.902
CS 3			0.614	0.836	0.773	0.837
SA 5				0.540	0.555	0.876
SA 7					0.523	0.746
SA 8						0.734

Table 201. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 3 (Spanish)

Name	CS 2	CS 3	SA 5	SA 7	SA 8	Total
Mean	524.8	514.7	541.0	514.8	526.2	517.0
SD	78.24	85.70	95.19	93.69	126.94	74.37
N	1222	1222	1222	1222	1222	1222
CS 2		0.796	0.891	0.725	0.647	0.943
CS 3			0.692	0.926	0.832	0.944
SA 5				0.586	0.571	0.833
SA 7					0.632	0.868
SA 8						0.786

Table 202. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 4

Name	CS 2	CS 3	SA 5	SA 6	SA 7	SA 8	Total
Mean	491.4	501.0	492.4	497.5	507.0	534.5	491.3
SD	55.97	73.25	64.44	81.12	84.01	131.43	52.42
N	62308	62308	62308	62308	62308	62308	62308
CS 2		0.673	0.892	0.788	0.615	0.549	0.945
CS 3			0.626	0.471	0.904	0.712	0.838
SA 5				0.519	0.573	0.519	0.848
SA 6					0.404	0.381	0.726
SA 7						0.491	0.773
SA 8							0.674

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Table 203. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 4 (Spanish)

Name	CS 2	CS 3	SA 5	SA 6	SA 7	SA 8	Total
Mean	497.6	514.6	503.5	495.7	515.3	495.8	507.9
SD	55.19	38.30	61.40	97.03	62.87	79.54	41.22
N	122	122	122	122	122	122	122
CS 2		0.619	0.853	0.772	0.377	0.421	0.872
CS 3			0.519	0.475	0.776	0.509	0.914
SA 5				0.437	0.322	0.470	0.738
SA 6					0.227	0.198	0.666
SA 7						0.258	0.650
SA 8							0.546

Table 204. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 5

Name	CS 2	CS 3	SA 5	SA 6	SA 7	SA 8	Total
Mean	511.7	519.7	512.7	533.2	525.4	542.4	511.0
SD	60.02	75.56	67.33	113.12	87.97	123.19	55.56
N	61706	61706	61706	61706	61706	61706	61706
CS 2		0.681	0.893	0.748	0.675	0.563	0.944
CS 3			0.617	0.460	0.839	0.782	0.849
SA 5				0.508	0.587	0.510	0.846
SA 6					0.408	0.384	0.683
SA 7						0.521	0.794
SA 8							0.707

Table 205. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 6

Name	CS 2	CS 3	SA 5	SA 6	SA 7	SA 8	Total
Mean	530.6	534.2	532.5	549.3	535.4	553.7	529.0
SD	67.24	75.04	76.19	120.14	84.79	122.07	61.15
N	60358	60358	60358	60358	60358	60358	60358
CS 2		0.721	0.898	0.752	0.694	0.617	0.938
CS 3			0.655	0.480	0.929	0.727	0.895
SA 5				0.518	0.623	0.530	0.845
SA 6					0.438	0.388	0.674
SA 7						0.580	0.849
SA 8							0.719

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Table 206. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 7

Name	CS 2	CS 3	SA 5	SA 6	SA 7	SA 8	Total
Mean	555.0	556.6	554.3	572.9	560.7	559.2	553.5
SD	73.64	77.97	84.27	130.30	93.32	99.30	67.22
N	59414	59414	59414	59414	59414	59414	59414
CS 2		0.739	0.871	0.746	0.709	0.658	0.926
CS 3			0.633	0.485	0.910	0.832	0.926
SA 5				0.518	0.588	0.548	0.800
SA 6					0.433	0.413	0.651
SA 7						0.659	0.865
SA 8							0.797

Table 207. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 8

Name	CS 2	CS 3	SA 5	SA 6	SA 7	SA 8	Total
Mean	564.7	571.2	564.6	582.8	577.0	588.5	564.1
SD	80.44	89.96	91.09	136.45	105.21	138.65	72.32
N	58016	58016	58016	58016	58016	58016	58016
CS 2		0.687	0.885	0.740	0.640	0.626	0.924
CS 3			0.607	0.424	0.914	0.786	0.884
SA 5				0.504	0.562	0.526	0.811
SA 6					0.380	0.369	0.640
SA 7						0.597	0.822
SA 8							0.759

Table 208. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 9

Name	CS 2	CS 3	SA 5	SA 6	SA 7	SA 8	Total
Mean	570.2	573.0	571.5	594.7	580.9	576.8	568.3
SD	87.44	91.71	96.22	153.30	121.15	109.76	79.37
N	58931	58931	58931	58931	58931	58931	58931
CS 2		0.751	0.915	0.751	0.683	0.714	0.933
CS 3			0.703	0.487	0.885	0.872	0.922
SA 5				0.533	0.634	0.644	0.861
SA 6					0.425	0.447	0.657
SA 7						0.670	0.833
SA 8							0.836

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Table 209. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 10

Name	CS 2	CS 3	SA 5	SA 6	SA 7	SA 8	Total
Mean	574.5	585.4	575.7	591.7	603.3	583.7	574.0
SD	79.75	100.91	87.32	130.74	137.10	156.52	73.70
N	56463	56463	56463	56463	56463	56463	56463
CS 2		0.671	0.918	0.803	0.593	0.531	0.937
CS 3			0.660	0.476	0.857	0.738	0.845
SA 5				0.550	0.588	0.514	0.882
SA 6					0.406	0.392	0.724
SA 7						0.507	0.753
SA 8							0.652

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Table 210. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 3

Name	CS 1	CS 2/3	CS 4/5	CS 6	Total
Mean	453.6	468.2	463.9	464.7	460.0
SD	123.67	113.91	101.88	109.82	88.76
N	62868	62868	62868	62868	62868
CS 1		0.676	0.691	0.650	0.831
CS 2/3			0.720	0.689	0.879
CS 4/5				0.700	0.903
CS 6					0.848

Table 211. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 4

Name	CS 1	CS 2	CS 3	CS 4/5	CS 6	SA 1	SA 2	SA 3	Total
Mean	495.8	513.9	501.1	498.6	499.7	494.1	521.3	514.4	492.2
SD	94.24	132.72	118.91	95.04	104.65	88.83	144.21	124.82	78.83
N	62511	62511	62511	62511	62511	62511	62511	62511	62511
CS 1		0.689	0.694	0.748	0.737	0.940	0.658	0.667	0.902
CS 2			0.632	0.673	0.664	0.713	0.929	0.605	0.806
CS 3				0.694	0.664	0.715	0.605	0.614	0.822
CS 4/5					0.714	0.772	0.643	0.871	0.892
CS 6						0.850	0.637	0.637	0.866
SA 1							0.681	0.689	0.931
SA 2								0.576	0.769
SA 3									0.788

Table 212. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 5

Name	CS 1	CS 2	CS 3	CS 4/5	CS 6	SA 1	SA 2	SA 3	Total
Mean	527.7	525.7	522.9	521.6	539.5	531.0	542.6	535.6	521.3
SD	97.90	110.76	94.99	98.62	116.88	104.21	137.72	124.24	79.50
N	61803	61803	61803	61803	61803	61803	61803	61803	61803
CS 1		0.735	0.733	0.718	0.692	0.918	0.679	0.607	0.885
CS 2			0.730	0.717	0.683	0.722	0.887	0.612	0.873
CS 3				0.735	0.688	0.727	0.676	0.810	0.883
CS 4/5					0.662	0.709	0.662	0.608	0.873
CS 6						0.726	0.644	0.569	0.823
SA 1							0.669	0.602	0.870
SA 2								0.567	0.805
SA 3									0.728

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Table 213. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 6

Name	CS 1	CS 2	CS 3	CS 4/5	CS 6	SA 1	SA 2	SA 3	Total
Mean	535.5	541.6	540.1	536.3	549.5	536.4	544.0	527.9	539.1
SD	105.54	97.89	96.82	91.11	116.64	107.94	105.20	118.16	77.37
N	60415	60415	60415	60415	60415	60415	60415	60415	60415
CS 1		0.694	0.701	0.733	0.644	0.947	0.664	0.669	0.861
CS 2			0.706	0.730	0.654	0.689	0.953	0.665	0.861
CS 3				0.740	0.655	0.697	0.677	0.676	0.867
CS 4/5					0.674	0.726	0.698	0.910	0.900
CS 6						0.689	0.629	0.610	0.804
SA 1							0.660	0.665	0.853
SA 2								0.637	0.824
SA 3									0.819

Table 214. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 7

Name	CS 1/6	CS 2	CS 3	CS 4/5	SA 1	SA 2	Total
Mean	560.3	557.2	548.6	555.0	563.7	552.5	559.5
SD	85.78	94.79	108.61	94.52	103.18	107.62	75.47
N	59477	59477	59477	59477	59477	59477	59477
CS 1/6		0.745	0.742	0.762	0.902	0.730	0.925
CS 2			0.685	0.712	0.679	0.677	0.862
CS 3				0.700	0.676	0.663	0.840
CS 4/5					0.699	0.920	0.880
SA 1						0.675	0.841
SA 2							0.836

Table 215. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 8

Name	CS 1/6	CS 2	CS 3	CS 4/5	SA 1	SA 2	SA 3	Total
Mean	572.2	577.2	573.0	570.4	580.4	561.7	568.9	575.5
SD	82.74	85.19	95.52	85.02	98.57	104.71	92.03	67.34
N	58065	58065	58065	58065	58065	58065	58065	58065
CS 1/6		0.739	0.731	0.728	0.687	0.797	0.691	0.899
CS 2			0.712	0.719	0.921	0.647	0.685	0.889
CS 3				0.699	0.660	0.641	0.664	0.852
CS 4/5					0.668	0.665	0.952	0.867
SA 1						0.599	0.637	0.825
SA 2							0.598	0.777
SA 3								0.825

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Table 216. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 9

Name	CS 1/6	CS 2	CS 3	CS 4/5	SA 1	SA 2	Total
Mean	560.6	577.1	572.2	571.6	577.6	553.2	576.0
SD	103.66	81.37	85.66	84.24	81.14	113.89	71.94
N	59023	59023	59023	59023	59023	59023	59023
CS 1/6		0.672	0.655	0.664	0.691	0.730	0.768
CS 2			0.784	0.775	0.922	0.667	0.928
CS 3				0.760	0.812	0.652	0.905
CS 4/5					0.791	0.739	0.895
SA 1						0.657	0.923
SA 2							0.761

Table 217. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 10

Name	CS 1/6	CS 2	CS 3	CS 4/5	SA 1	SA 2	Total
Mean	579.3	589.6	590.7	587.4	591.1	563.9	591.9
SD	97.75	83.89	79.43	85.34	76.00	125.11	69.84
N	56638	56638	56638	56638	56638	56638	56638
CS 1/6		0.676	0.645	0.675	0.721	0.468	0.784
CS 2			0.747	0.762	0.898	0.513	0.903
CS 3				0.743	0.830	0.668	0.889
CS 4/5					0.835	0.518	0.897
SA 1						0.533	0.942
SA 2							0.600

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Table 218. Scale Score Correlations by Content Standard and Subcontent Area, Science Grade 5

Name	CS 1/5	CS 2	CS 3	CS 4	SA 1	SA 2	Total
Mean	496.6	496.1	498.4	496.6	504.6	496.9	496.1
SD	72.84	80.55	82.60	83.30	98.55	83.15	67.19
N	61786	61786	61786	61786	61786	61786	61786
CS 1/5		0.762	0.746	0.724	0.840	0.915	0.949
CS 2			0.683	0.683	0.636	0.699	0.863
CS 3				0.677	0.624	0.679	0.849
CS 4					0.608	0.660	0.842
SA 1						0.650	0.792
SA 2							0.868

Table 219. Scale Score Correlations by Content Standard and Subcontent Area, Science Grade 8

Name	CS 1/5	CS 2	CS 3	CS 4	SA 1	SA 2	SA 3	SA 5	SA 6	Total
Mean	499.7	498.0	499.2	493.4	498.8	505.8	499.7	497.4	491.8	499.5
SD	67.74	78.09	73.89	81.41	77.21	89.24	90.07	90.17	88.58	62.60
N	57958	57958	57958	57958	57958	57958	57958	57958	57958	57958
CS 1/5		0.746	0.768	0.706	0.924	0.863	0.673	0.617	0.650	0.952
CS 2			0.698	0.669	0.698	0.636	0.900	0.583	0.617	0.856
CS 3				0.674	0.712	0.661	0.634	0.822	0.617	0.868
CS 4					0.662	0.600	0.613	0.565	0.892	0.814
SA 1						0.685	0.631	0.574	0.608	0.882
SA 2							0.572	0.534	0.555	0.814
SA 3								0.533	0.567	0.775
SA 5									0.518	0.709
SA 6										0.746

Table 220. Scale Score Correlations by Content Standard and Subcontent Area, Science Grade 10

Name	CS 1/5	CS 2	CS 3	CS 4	SA 1	SA 2	SA 4	SA 5	SA 6	Total
Mean	496.5	488.4	490.3	494.1	496.4	500.7	484.8	487.4	495.3	496.1
SD	68.48	82.33	82.09	78.88	75.08	82.78	88.09	87.59	80.72	64.49
N	56576	56576	56576	56576	56576	56576	56576	56576	56576	56576
CS 1/5		0.730	0.713	0.749	0.931	0.881	0.659	0.671	0.735	0.951
CS 2			0.620	0.663	0.677	0.653	0.891	0.591	0.649	0.819
CS 3				0.671	0.665	0.631	0.558	0.920	0.656	0.813
CS 4					0.695	0.664	0.575	0.632	0.978	0.858
SA 1						0.708	0.609	0.626	0.682	0.884
SA 2							0.595	0.594	0.653	0.838
SA 4								0.534	0.564	0.736
SA 5									0.619	0.766
SA 6										0.841

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Table 221. Cronbach Alpha Reliability Coefficients for Content Standards

Content Area	Grade	Alpha						
		CS 1	CS 2	CS 3	CS 4	CS 5	CS 6	Total
Reading	3	0.89						0.89
	4	0.85			0.78	0.76	0.74	0.94
	5	0.84			0.77	0.70	0.71	0.93
	6	0.85			0.73	0.72	0.72	0.93
	7	0.84			0.79	0.76	0.70	0.93
	8	0.83			0.75	0.75	0.77	0.93
	9	0.83			0.75	0.76	0.72	0.93
	10	0.83			0.78	0.77	0.77	0.94
Writing	3		0.81	0.90				0.93
	4		0.81	0.85				0.90
	5		0.82	0.86				0.91
	6		0.84	0.86				0.91
	7		0.82	0.85				0.91
	8		0.78	0.85				0.90
	9		0.83	0.88				0.92
	10		0.83	0.87				0.92
Mathematics	3	0.65	0.77		0.76		0.64	0.91
	4	0.78	0.72	0.77	0.81		0.79	0.94
	5	0.77	0.75	0.74	0.76		0.80	0.94
	6	0.80	0.70	0.75	0.79		0.76	0.94
	7	0.84	0.71	0.68	0.82			0.93
	8	0.82	0.80	0.71	0.80			0.94
	9	0.71	0.79	0.78	0.76			0.93
	10	0.75	0.81	0.72	0.80			0.93
Science	5	0.86	0.68	0.70	0.71			0.93
	8	0.86	0.74	0.67	0.70			0.93
	10	0.83	0.70	0.70	0.70			0.92
Reading Spanish	3	0.88						0.88
	4	0.81			0.63	0.59	0.55	0.90
Writing Spanish	3		0.83	0.87				0.92
	4		0.73	0.78				0.85

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Table 222. Cronbach Alpha Reliability Coefficients for Subcontent Areas

Content Area	Grade	Alpha							
		SA 1	SA 2	SA 3	SA 4	SA 5	SA 6	SA 7	SA 8
Reading	3	0.78	0.73	0.72					
	4	0.86	0.81	0.71					
	5	0.79	0.86	0.67					
	6	0.83	0.78	0.73					
	7	0.82	0.76	0.71	0.62				
	8	0.80	0.79	0.70	0.62				
	9	0.72	0.84	0.67	0.64				
	10	0.83	0.81	0.71	0.62				
Writing	3					0.81		0.80	0.81
	4					0.71	0.73	0.81	0.61
	5					0.69	0.70	0.82	0.73
	6					0.73	0.71	0.82	0.71
	7					0.67	0.72	0.83	0.69
	8					0.62	0.70	0.81	0.74
	9					0.73	0.72	0.86	0.76
	10					0.77	0.75	0.88	0.45
Mathematics	3								
	4	0.82	0.63	0.65					
	5	0.77	0.72	0.49					
	6	0.77	0.66	0.72					
	7	0.69	0.74						
	8	0.69	0.62	0.75					
	9	0.77	0.69						
	10	0.82	0.39						
Science	5	0.71	0.74						
	8	0.73	0.76	0.62		0.49	0.59		
	10	0.70	0.67		0.62	0.64	0.67		
Reading Spanish	3	0.80	0.65	0.68					
	4	0.82	0.65	0.56					
Writing Spanish	3					0.86		0.81	0.74
	4					0.58	0.76	0.73	0.62

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Table 223. Subgroup Reliability for the CSAP Reading Tests

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
3	No Disability	56000	568.19	67.53	150	795	150	795	0.88	23.80
	Disability	5479	466.87	108.70	150	795	150	781	0.89	36.01
	No IEP	55999	568.17	67.56	150	795	150	795	0.88	23.81
	IEP	5476	466.98	108.70	150	795	150	781	0.89	35.98
	No Accommodation	51301	573.17	65.40	150	795	150	795	0.87	23.59
	Accommodation	10132	488.25	94.44	150	795	150	795	0.88	33.44
	Am. Indian/AK Native	483	529.04	81.17	150	795	150	686	0.88	28.03
	Asian	2062	570.65	83.64	150	795	150	795	0.90	26.79
	Black	2879	527.88	82.19	150	795	150	795	0.88	28.29
	Hispanic	19435	527.05	80.35	150	795	150	795	0.88	27.86
	White	34599	579.02	68.18	150	795	150	795	0.88	24.14
	Hawaiian/Pacific Islander	115	559.01	74.27	150	795	150	701	0.87	26.89
	Two or More Races	1904	568.49	72.33	150	795	150	793	0.88	25.15
	Not Free Lunch Eligible	34693	583.98	64.42	150	795	150	795	0.87	23.51
	Free Lunch Eligible	22313	523.04	82.40	150	795	150	795	0.88	28.71
	Reduced Lunch Eligible	4450	546.78	74.11	150	795	150	795	0.87	26.30
	Female	30030	567.56	73.13	150	795	150	795	0.89	24.69
	Male	31443	551.15	81.04	150	795	150	795	0.89	26.39
	Language Proficiency NA	50267	569.52	72.21	150	795	150	795	0.88	24.72
	Language Proficiency NEP	2083	420.35	105.60	150	795	150	739	0.81	46.38
	Language Proficiency LEP	7599	522.76	57.56	150	795	150	707	0.82	24.77
	Language Proficiency FEP	1528	588.65	50.37	150	795	150	795	0.81	22.07
	Not Migrant Or Immigrant	60528	559.96	76.99	150	795	150	795	0.89	25.49
	Migrant	222	504.95	84.60	150	795	150	795	0.86	31.55
	Immigrant	690	511.05	108.00	150	795	150	750	0.91	32.01
	Migrant and Immigrant	34	468.68	106.50	150	795	150	620	0.87	38.19
4	No Disability	56390	593.76	53.55	180	940	180	871	0.93	14.37
	Disability	5937	505.67	89.29	180	940	180	705	0.94	22.68
	No IEP	56380	593.76	53.55	180	940	180	871	0.93	14.37
	IEP	5935	505.64	89.29	180	940	180	705	0.94	22.68
	No Accommodation	50848	598.05	52.39	180	940	180	871	0.92	14.45
	Accommodation	11446	529.09	76.29	180	940	180	790	0.93	19.77
	Am. Indian/AK Native	551	564.85	68.04	180	940	180	780	0.94	16.89
	Asian/Pacific Islander	1975	594.46	68.85	180	940	180	839	0.94	16.35
	Black	2919	555.76	68.72	180	940	180	725	0.94	17.22
	Hispanic	20250	558.16	64.65	180	940	180	756	0.93	16.63
	White	34548	603.00	54.96	180	940	180	871	0.93	14.98
	Hawaiian/Pacific Islander	118	578.80	86.29	180	940	180	723	0.95	19.62
	Two or More Races	1964	596.95	56.34	180	940	180	757	0.93	14.50
	Not Free Lunch Eligible	34796	606.78	52.55	180	940	180	871	0.92	14.69
	Free Lunch Eligible	22829	554.31	66.10	180	940	180	757	0.93	17.14
	Reduced Lunch Eligible	4686	577.85	59.27	180	940	180	780	0.93	15.78
	Female	30686	592.36	58.47	180	940	180	871	0.94	14.83
	Male	31643	578.59	67.19	180	940	180	794	0.94	16.28
	Language Proficiency NA	50309	594.60	58.61	180	940	180	871	0.93	15.18
	Language Proficiency NEP	1914	463.42	86.52	180	940	180	676	0.88	30.46
	Language Proficiency LEP	7529	547.58	44.67	180	940	180	682	0.89	14.67
	Language Proficiency FEP	2573	606.21	39.04	180	940	180	761	0.86	14.45
	Not Migrant Or Immigrant	61508	586.05	62.86	180	940	180	871	0.94	15.57
	Migrant	202	537.92	63.68	180	940	180	658	0.92	17.73
	Immigrant	582	532.76	88.25	180	940	180	748	0.95	19.69
	Migrant and Immigrant	23	515.48	73.68	180	940	349	608	0.94	18.68

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Table 223. Subgroup Reliability for the CSAP Reading Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
5	No Disability	55743	619.42	57.58	220	955	220	836	0.92	16.60
	Disability	5980	523.98	90.44	220	955	220	756	0.93	24.25
	No IEP	55732	619.42	57.59	220	955	220	836	0.92	16.60
	IEP	5976	523.97	90.46	220	955	220	756	0.93	24.25
	No Accommodation	50524	623.25	56.41	220	955	220	836	0.91	16.63
	Accommodation	11170	551.07	81.53	220	955	220	765	0.93	21.51
	Am. Indian/AK Native	519	586.57	73.16	220	955	220	748	0.94	18.70
	Asian	1902	623.38	71.25	220	955	220	817	0.93	18.31
	Black	2985	580.02	69.95	220	955	220	759	0.93	18.81
	Hispanic	20064	580.91	68.40	220	955	220	786	0.93	18.72
	White	34285	629.03	59.44	220	955	220	836	0.92	17.32
	Hawaiian/Pacific Islander	143	599.03	71.99	220	955	220	710	0.93	19.23
	Two or More Races	1824	620.93	62.77	220	955	220	791	0.93	17.06
	Not Free Lunch Eligible	34751	633.04	56.56	220	955	220	836	0.91	16.94
	Free Lunch Eligible	22306	576.32	69.75	220	955	220	793	0.93	19.15
	Reduced Lunch Eligible	4646	601.73	64.02	220	955	220	769	0.92	18.23
	Female	30144	616.47	62.66	220	955	220	834	0.93	17.06
	Male	31578	604.17	71.67	220	955	220	836	0.93	18.49
	Language Proficiency NA	50151	619.85	62.98	220	955	220	836	0.92	17.46
	Language Proficiency NEP	1295	470.86	91.60	220	955	220	674	0.87	32.73
	Language Proficiency LEP	6795	559.23	52.49	220	955	220	751	0.88	18.03
	Language Proficiency FEP	3480	622.03	42.96	220	955	220	817	0.86	16.14
	Not Migrant Or Immigrant	60899	611.09	66.84	220	955	220	836	0.93	17.76
	Migrant	251	556.79	72.26	220	955	220	694	0.92	20.20
	Immigrant	521	534.79	102.10	220	955	220	766	0.94	24.32
	Migrant and Immigrant	34	538.74	59.07	220	955	424	662	0.91	17.77
6	No Disability	54541	634.99	56.59	260	970	260	857	0.92	16.33
	Disability	5817	543.90	80.91	260	970	260	755	0.92	22.92
	No IEP	54534	634.99	56.59	260	970	260	857	0.92	16.33
	IEP	5814	543.88	80.92	260	970	260	755	0.92	22.92
	No Accommodation	51447	636.45	57.07	260	970	260	857	0.92	16.45
	Accommodation	8879	566.84	76.52	260	970	260	789	0.93	20.76
	Am. Indian/AK Native	524	601.86	67.03	260	970	260	763	0.93	18.03
	Asian/Pacific Islander	1805	636.41	73.96	260	970	260	831	0.94	18.28
	Black	3040	590.70	70.83	260	970	260	781	0.93	18.93
	Hispanic	19249	598.33	64.54	260	970	260	825	0.92	18.05
	White	33860	644.54	57.26	260	970	260	857	0.92	16.57
	Hawaiian/Pacific Islander	137	613.38	77.30	260	970	260	750	0.94	19.50
	Two or More Races	1743	637.68	58.27	260	970	260	791	0.92	16.45
	Not Free Lunch Eligible	34865	647.56	55.60	260	970	260	857	0.91	16.40
	Free Lunch Eligible	20938	593.18	66.38	260	970	260	790	0.92	18.59
	Reduced Lunch Eligible	4538	614.60	61.02	260	970	260	803	0.92	17.39
	Female	29572	634.27	60.79	260	970	260	852	0.93	16.66
	Male	30785	618.47	68.22	260	970	260	857	0.93	17.74
	Language Proficiency NA	49770	634.82	61.28	260	970	260	857	0.93	16.82
	Language Proficiency NEP	893	485.35	96.24	260	970	260	716	0.90	31.07
	Language Proficiency LEP	5293	567.59	49.53	260	970	260	745	0.87	18.22
	Language Proficiency FEP	4402	627.94	44.18	260	970	260	827	0.88	15.65
	Not Migrant Or Immigrant	59581	627.12	64.25	260	970	260	857	0.93	17.13
	Migrant	210	566.10	78.38	260	970	260	702	0.92	22.51
	Immigrant	528	553.09	96.01	260	970	260	827	0.94	23.00
	Migrant and Immigrant	29	529.66	104.70	260	970	260	682	0.94	26.14

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Table 223. Subgroup Reliability for the CSAP Reading Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
7	No Disability	53902	648.41	57.90	300	980	300	938	0.92	16.26
	Disability	5499	558.28	76.61	300	980	300	829	0.92	21.28
	No IEP	53893	648.40	57.91	300	980	300	938	0.92	16.26
	IEP	5493	558.24	76.60	300	980	300	829	0.92	21.28
	No Accommodation	52654	648.72	58.42	300	980	300	938	0.92	16.36
	Accommodation	6715	572.22	76.10	300	980	300	851	0.93	20.10
	Am. Indian/AK Native	520	616.68	62.64	300	980	300	758	0.93	16.97
	Asian	1828	651.63	72.27	300	980	300	887	0.94	17.54
	Black	2983	607.39	69.42	300	980	300	823	0.93	18.19
	Hispanic	18495	610.76	64.82	300	980	300	835	0.93	17.42
	White	33769	658.14	57.70	300	980	300	938	0.92	16.41
	Hawaiian/Pacific Islander	129	631.68	64.74	300	980	354	778	0.93	17.29
	Two or More Races	1678	652.61	59.86	300	980	300	810	0.92	16.68
	Not Free Lunch Eligible	35144	660.74	56.46	300	980	300	938	0.92	16.32
	Free Lunch Eligible	19804	605.53	66.68	300	980	300	814	0.93	17.88
	Reduced Lunch Eligible	4428	630.46	56.87	300	980	300	842	0.92	16.44
	Female	29192	649.18	62.10	300	980	300	938	0.93	16.50
	Male	30208	631.26	67.14	300	980	300	890	0.94	17.17
	Language Proficiency NA	49189	648.96	60.90	300	980	300	938	0.93	16.54
	Language Proficiency NEP	724	487.94	82.44	300	980	300	709	0.89	27.24
	Language Proficiency LEP	4651	570.47	53.03	300	980	300	721	0.88	18.77
	Language Proficiency FEP	4836	639.34	45.28	300	980	300	827	0.88	15.72
	Not Migrant Or Immigrant	58626	641.05	64.38	300	980	300	938	0.93	16.79
	Migrant	228	588.43	66.79	300	980	300	750	0.92	18.56
	Immigrant	511	554.79	94.40	300	980	300	800	0.95	21.33
	Migrant and Immigrant	21	517.86	107.90	300	980	300	679	0.96	22.35
8	No Disability	52925	659.57	53.00	330	990	330	976	0.92	14.79
	Disability	5095	577.94	63.63	330	990	330	774	0.92	18.45
	No IEP	52913	659.58	52.99	330	990	330	976	0.92	14.79
	IEP	5094	577.96	63.63	330	990	330	774	0.92	18.45
	No Accommodation	51819	659.44	53.58	330	990	330	976	0.92	14.85
	Accommodation	6168	593.28	66.38	330	990	330	822	0.93	17.71
	Am. Indian/AK Native	509	633.27	55.72	330	990	340	794	0.93	14.99
	Asian/Pacific Islander	1795	666.35	66.00	330	990	330	826	0.94	15.90
	Black	2764	626.11	59.77	330	990	330	780	0.93	16.08
	Hispanic	17446	626.68	57.52	330	990	330	835	0.93	15.71
	White	33777	666.83	53.44	330	990	330	976	0.92	14.91
	Hawaiian/Pacific Islander	131	652.49	57.03	330	990	464	801	0.93	15.02
	Two or More Races	1601	664.16	56.56	330	990	330	881	0.93	15.22
	Not Free Lunch Eligible	35563	669.80	52.51	330	990	330	976	0.92	14.89
	Free Lunch Eligible	18267	621.33	57.84	330	990	330	824	0.92	15.95
	Reduced Lunch Eligible	4168	640.15	53.64	330	990	330	893	0.92	15.01
	Female	28419	662.92	55.79	330	990	330	976	0.93	14.85
	Male	29601	642.31	59.73	330	990	330	851	0.93	15.42
	Language Proficiency NA	48446	659.45	55.78	330	990	330	976	0.93	15.00
	Language Proficiency NEP	640	523.37	71.68	330	990	330	740	0.86	26.58
	Language Proficiency LEP	3631	586.39	44.44	330	990	330	762	0.85	17.03
	Language Proficiency FEP	5303	648.77	43.66	330	990	330	832	0.89	14.40
	Not Migrant Or Immigrant	57304	653.18	58.16	330	990	330	976	0.93	15.18
	Migrant	182	605.00	58.00	330	990	330	741	0.92	16.41
	Immigrant	503	585.49	74.53	330	990	330	790	0.94	18.80
	Migrant and Immigrant	18	568.89	86.07	330	990	378	687	0.95	19.84

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Table 223. Subgroup Reliability for the CSAP Reading Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
9	**No Disability**	54055	663.91	45.92	350	995	350	866	0.92	12.79
	Disability	4827	597.59	55.50	350	995	350	763	0.92	16.00
	No IEP	54040	663.91	45.92	350	995	350	866	0.92	12.79
	IEP	4829	597.55	55.48	350	995	350	763	0.92	16.00
	No Accommodation	55274	661.98	47.56	350	995	350	866	0.93	12.93
	Accommodation	3585	604.34	58.02	350	995	350	866	0.93	15.37
	Am. Indian/AK Native	494	643.37	47.66	350	995	350	766	0.93	13.02
	Asian	1810	668.75	58.98	350	995	350	827	0.94	14.01
	Black	2985	633.02	51.85	350	995	350	765	0.93	14.01
	Hispanic	17487	636.02	48.84	350	995	350	840	0.93	13.38
	White	34366	671.31	45.23	350	995	350	866	0.92	12.83
	Hawaiian/Pacific Islander	127	658.50	50.84	350	995	504	762	0.94	12.82
	Two or More Races	1610	668.61	47.71	350	995	350	818	0.93	13.04
	Not Free Lunch Eligible	37671	671.78	45.60	350	995	350	866	0.92	12.84
	Free Lunch Eligible	17249	631.52	49.52	350	995	350	834	0.92	13.71
	Reduced Lunch Eligible	3919	649.34	45.39	350	995	350	785	0.92	12.96
	Female	28870	666.10	47.96	350	995	350	866	0.93	12.90
	Male	30011	651.13	51.18	350	995	350	841	0.93	13.21
	Language Proficiency NA	49697	664.74	47.36	350	995	350	866	0.93	12.93
	Language Proficiency NEP	835	552.51	57.09	350	995	350	684	0.83	23.44
	Language Proficiency LEP	3269	601.30	37.31	350	995	350	788	0.86	13.83
	Language Proficiency FEP	5077	651.36	38.00	350	995	350	827	0.89	12.57
	Not Migrant Or Immigrant	58042	659.37	49.42	350	995	350	866	0.93	13.06
	Migrant	192	608.28	57.92	350	995	350	718	0.93	15.80
	Immigrant	606	591.28	64.05	350	995	350	781	0.93	16.68
	Migrant and Immigrant	24	591.04	37.55	350	995	527	661	0.90	12.10
10	**No Disability**	52033	684.75	50.50	370	999	370	874	0.93	13.27
	Disability	4425	616.52	57.90	370	999	370	786	0.92	16.41
	No IEP	52027	684.75	50.50	370	999	370	874	0.93	13.27
	IEP	4423	616.51	57.92	370	999	370	786	0.92	16.41
	No Accommodation	53531	682.54	52.06	370	999	370	874	0.93	13.40
	Accommodation	2898	621.40	61.98	370	999	370	807	0.93	15.94
	Am. Indian/AK Native	530	659.55	55.71	370	999	370	795	0.93	14.35
	Asian/Pacific Islander	1813	687.49	61.78	370	999	370	866	0.95	14.10
	Black	2852	653.18	55.40	370	999	370	828	0.93	14.56
	Hispanic	15869	656.27	53.97	370	999	370	874	0.93	14.24
	White	33799	692.04	49.45	370	999	370	871	0.93	13.15
	Hawaiian/Pacific Islander	133	674.64	60.95	370	999	370	791	0.94	15.49
	Two or More Races	1455	687.09	49.41	370	999	370	863	0.93	13.00
	Not Free Lunch Eligible	37899	691.58	49.74	370	999	370	874	0.93	13.15
	Free Lunch Eligible	15025	651.16	55.11	370	999	370	811	0.93	14.56
	Reduced Lunch Eligible	3505	668.93	50.82	370	999	370	843	0.93	13.81
	Female	27563	689.46	50.20	370	999	370	874	0.93	13.00
	Male	28894	669.81	56.31	370	999	370	864	0.94	13.90
	Language Proficiency NA	48123	685.36	51.69	370	999	370	874	0.93	13.34
	Language Proficiency NEP	764	566.40	63.78	370	999	370	707	0.82	26.84
	Language Proficiency LEP	2772	622.19	42.75	370	999	370	781	0.87	15.47
	Language Proficiency FEP	4798	670.66	42.92	370	999	370	843	0.91	13.07
	Not Migrant Or Immigrant	55689	680.30	53.57	370	999	370	874	0.94	13.50
	Migrant	169	630.17	59.09	370	999	370	759	0.92	17.22
	Immigrant	574	609.20	68.10	370	999	370	779	0.94	17.20
	Migrant and Immigrant	13	582.15	72.81	370	999	398	662	0.90	23.13

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Table 224. Subgroup Reliability for the CSAP Writing Tests

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
3	No Disability	56136	471.94	51.11	150	680	150	680	0.91	15.02
	Disability	5517	414.05	53.75	150	680	150	680	0.92	14.96
	No IEP	56127	471.94	51.12	150	680	150	680	0.91	15.02
	IEP	5520	414.09	53.75	150	680	150	680	0.92	14.96
	No Accommodation	50721	476.63	49.59	150	680	150	680	0.90	15.37
	Accommodation	10894	420.81	49.47	150	680	150	680	0.92	14.46
	Am. Indian/AK Native	485	443.36	52.78	150	680	150	680	0.92	14.80
	Asian	2074	476.01	63.64	150	680	150	680	0.94	15.39
	Black	2895	444.35	55.07	150	680	150	680	0.93	14.51
	Hispanic	19523	446.12	48.72	150	680	150	680	0.92	13.48
	White	34656	479.72	51.91	150	680	150	680	0.91	15.69
	Hawaiian/Pacific Islander	115	472.01	61.10	150	680	150	680	0.93	16.44
	Two or More Races	1905	472.20	49.40	150	680	150	680	0.92	14.34
	Not Free Lunch Eligible	34788	483.42	50.98	150	680	150	680	0.90	15.88
	Free Lunch Eligible	22381	442.53	49.93	150	680	150	680	0.92	13.84
	Reduced Lunch Eligible	4467	458.39	47.51	150	680	150	680	0.91	13.90
	Female	30127	474.62	53.70	150	680	150	680	0.92	15.19
	Male	31526	459.24	53.11	150	680	150	680	0.93	14.29
	Language Proficiency NA	50376	473.14	52.31	150	680	150	680	0.92	15.00
	Language Proficiency NEP	2116	384.03	60.09	150	680	150	680	0.91	18.39
	Language Proficiency LEP	7631	442.97	34.63	150	680	150	680	0.88	12.18
	Language Proficiency FEP	1528	489.72	45.07	150	680	293	680	0.86	16.76
	Not Migrant Or Immigrant	60697	467.31	53.49	150	680	150	680	0.93	14.70
	Migrant	222	428.50	46.76	150	680	150	516	0.92	12.97
	Immigrant	693	433.78	75.32	150	680	150	680	0.95	16.38
	Migrant and Immigrant	34	413.82	61.33	150	680	150	484	0.93	16.18
4	No Disability	56352	497.24	49.30	190	730	190	730	0.89	16.53
	Disability	5952	435.55	48.07	190	730	190	620	0.90	15.13
	No IEP	56342	497.25	49.29	190	730	190	730	0.89	16.53
	IEP	5950	435.51	48.05	190	730	190	620	0.90	15.13
	No Accommodation	49711	501.75	48.15	190	730	190	730	0.88	16.64
	Accommodation	12505	450.05	48.23	190	730	190	704	0.90	15.32
	Am. Indian/AK Native	549	469.78	49.84	190	730	305	624	0.91	15.39
	Asian/Pacific Islander	1971	502.76	57.49	190	730	214	730	0.92	16.35
	Black	2916	468.27	50.12	190	730	190	688	0.91	15.31
	Hispanic	20249	468.72	48.21	190	730	190	716	0.90	15.34
	White	34539	505.75	49.19	190	730	190	730	0.88	16.83
	Hawaiian/Pacific Islander	117	493.50	55.64	190	730	301	649	0.92	15.68
	Two or More Races	1961	500.28	51.68	190	730	212	730	0.89	16.81
	Not Free Lunch Eligible	34780	509.38	48.68	190	730	190	730	0.88	17.06
	Free Lunch Eligible	22828	465.42	47.65	190	730	190	711	0.90	15.16
	Reduced Lunch Eligible	4680	483.94	46.19	190	730	231	716	0.88	15.70
	Female	30670	500.02	51.85	190	730	190	730	0.90	16.74
	Male	31636	482.95	51.59	190	730	190	730	0.91	15.63
	Language Proficiency NA	50293	498.55	50.36	190	730	190	730	0.89	16.45
	Language Proficiency NEP	1909	403.35	46.51	190	730	190	610	0.88	16.47
	Language Proficiency LEP	7527	459.39	35.76	190	730	310	603	0.84	14.29
	Language Proficiency FEP	2573	509.32	39.27	190	730	322	716	0.80	17.50
	Not Migrant Or Immigrant	61486	491.91	52.05	190	730	190	730	0.90	16.23
	Migrant	201	451.43	47.84	190	730	257	583	0.90	14.80
	Immigrant	582	449.45	66.47	190	730	190	604	0.94	16.84
	Migrant and Immigrant	23	425.22	51.07	190	730	296	496	0.90	15.96

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Table 224. Subgroup Reliability for the CSAP Writing Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
5	No Disability	55709	517.36	52.42	220	780	220	780	0.89	17.08
	Disability	5996	452.17	49.02	220	780	220	780	0.90	15.65
	No IEP	55698	517.37	52.42	220	780	220	780	0.89	17.08
	IEP	5992	452.17	49.03	220	780	220	780	0.90	15.65
	No Accommodation	50168	521.06	51.48	220	780	220	780	0.89	17.24
	Accommodation	11456	467.12	51.35	220	780	220	780	0.91	15.84
	Am. Indian/AK Native	518	489.81	52.83	220	780	283	678	0.91	15.77
	Asian	1902	528.34	65.41	220	780	220	780	0.92	18.08
	Black	2977	489.23	52.98	220	780	220	722	0.91	15.84
	Hispanic	20057	489.32	50.19	220	780	220	780	0.90	15.55
	White	34285	524.54	53.45	220	780	220	780	0.89	17.37
	Hawaiian/Pacific Islander	143	503.76	54.81	220	780	220	642	0.90	17.61
	Two or More Races	1822	519.86	55.28	220	780	220	780	0.90	17.38
	Not Free Lunch Eligible	34755	528.86	53.00	220	780	220	780	0.89	17.78
	Free Lunch Eligible	22290	484.76	49.58	220	780	220	780	0.90	15.34
	Reduced Lunch Eligible	4641	503.70	49.44	220	780	220	780	0.89	16.11
	Female	30133	521.62	54.86	220	780	220	780	0.90	17.49
	Male	31571	500.91	54.33	220	780	220	780	0.91	15.93
	Language Proficiency NA	50145	517.67	54.35	220	780	220	780	0.90	16.99
	Language Proficiency NEP	1293	414.17	53.46	220	780	220	602	0.89	18.02
	Language Proficiency LEP	6791	474.68	36.57	220	780	309	663	0.85	14.11
	Language Proficiency FEP	3474	522.27	40.91	220	780	325	780	0.82	17.53
	Not Migrant Or Immigrant	60881	511.69	55.10	220	780	220	780	0.91	16.74
	Migrant	251	472.13	51.27	220	780	295	603	0.91	15.07
	Immigrant	521	456.87	72.92	220	780	220	740	0.94	17.81
	Migrant and Immigrant	34	447.88	56.51	220	780	310	597	0.92	16.24
6	No Disability	54531	536.39	57.26	230	840	230	840	0.90	18.07
	Disability	5826	460.27	53.05	230	840	230	707	0.89	17.63
	No IEP	54525	536.39	57.27	230	840	230	840	0.90	18.07
	IEP	5822	460.28	53.02	230	840	230	707	0.89	17.62
	No Accommodation	51235	538.60	56.61	230	840	230	840	0.90	18.05
	Accommodation	9051	474.97	57.75	230	840	230	840	0.90	17.93
	Am. Indian/AK Native	524	503.14	59.23	230	840	307	749	0.92	17.07
	Asian/Pacific Islander	1806	547.14	72.80	230	840	230	840	0.93	19.21
	Black	3038	501.76	59.45	230	840	230	749	0.92	17.22
	Hispanic	19248	506.12	55.44	230	840	230	840	0.91	17.04
	White	33861	543.55	58.94	230	840	230	840	0.90	18.22
	Hawaiian/Pacific Islander	137	527.23	64.47	230	840	301	749	0.93	17.62
	Two or More Races	1743	537.10	56.96	230	840	341	840	0.90	17.69
	Not Free Lunch Eligible	34859	547.82	57.95	230	840	254	840	0.90	18.43
	Free Lunch Eligible	20940	500.24	55.59	230	840	230	840	0.91	17.06
	Reduced Lunch Eligible	4541	517.83	54.83	230	840	240	840	0.90	16.99
	Female	29567	541.90	59.41	230	840	230	840	0.90	18.40
	Male	30789	516.70	60.25	230	840	230	840	0.92	17.25
	Language Proficiency NA	49769	535.51	59.91	230	840	230	840	0.91	17.91
	Language Proficiency NEP	897	418.84	65.30	230	840	230	634	0.89	21.80
	Language Proficiency LEP	5290	481.57	40.58	230	840	329	738	0.85	15.70
	Language Proficiency FEP	4401	535.43	46.40	230	840	356	840	0.86	17.61
	Not Migrant Or Immigrant	59578	529.80	60.60	230	840	230	840	0.91	17.84
	Migrant	210	484.29	54.91	230	840	331	608	0.91	16.53
	Immigrant	529	466.90	80.35	230	840	230	840	0.93	20.71
	Migrant and Immigrant	30	455.67	70.57	230	840	326	624	0.92	20.03

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Table 224. Subgroup Reliability for the CSAP Writing Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
7	**No Disability**	53904	561.23	63.17	240	890	240	890	0.89	20.59
	Disability	5509	477.71	58.00	240	890	240	742	0.87	21.18
	No IEP	53895	561.23	63.17	240	890	240	890	0.89	20.60
	IEP	5503	477.68	57.97	240	890	240	742	0.87	21.18
	No Accommodation	51888	562.61	62.51	240	890	240	890	0.89	20.51
	Accommodation	7487	490.31	64.78	240	890	240	786	0.89	21.52
	Am. Indian/AK Native	521	525.36	63.37	240	890	319	741	0.90	20.02
	Asian	1823	576.43	80.99	240	890	240	890	0.93	22.07
	Black	2980	525.63	65.83	240	890	240	826	0.90	20.62
	Hispanic	18503	525.51	60.97	240	890	240	890	0.89	20.10
	White	33774	569.89	63.86	240	890	240	890	0.90	20.59
	Hawaiian/Pacific Islander	130	547.18	69.05	240	890	240	732	0.90	21.90
	Two or More Races	1683	565.42	64.01	240	890	304	827	0.90	20.38
	Not Free Lunch Eligible	35139	574.39	63.09	240	890	240	890	0.89	20.75
	Free Lunch Eligible	19813	519.24	61.06	240	890	240	826	0.89	20.22
	Reduced Lunch Eligible	4436	540.89	58.92	240	890	240	890	0.89	19.98
	Female	29193	568.58	66.31	240	890	240	890	0.90	20.95
	Male	30219	538.90	64.83	240	890	240	890	0.91	20.02
	Language Proficiency NA	49204	561.49	64.85	240	890	240	890	0.90	20.45
	Language Proficiency NEP	723	410.94	71.42	240	890	240	635	0.86	26.93
	Language Proficiency LEP	4651	489.74	42.19	240	890	240	660	0.80	18.91
	Language Proficiency FEP	4834	554.66	51.54	240	890	298	890	0.85	20.05
	Not Migrant Or Immigrant	58639	554.46	66.40	240	890	240	890	0.91	20.52
	Migrant	228	501.97	63.98	240	890	240	689	0.89	21.43
	Immigrant	509	468.92	92.35	240	890	240	890	0.93	24.72
	Migrant and Immigrant	22	449.50	73.04	240	890	325	606	0.91	22.46
8	**No Disability**	52908	572.03	68.44	250	910	250	910	0.89	23.13
	Disability	5102	481.99	59.25	250	910	250	730	0.86	22.31
	No IEP	52896	572.04	68.44	250	910	250	910	0.89	23.13
	IEP	5101	482.02	59.24	250	910	250	730	0.86	22.31
	No Accommodation	51425	572.55	68.24	250	910	250	910	0.89	23.03
	Accommodation	6532	497.69	69.20	250	910	250	910	0.89	23.19
	Am. Indian/AK Native	511	539.22	64.61	250	910	380	773	0.88	22.05
	Asian/Pacific Islander	1793	582.16	87.03	250	910	250	910	0.92	24.38
	Black	2766	534.03	67.12	250	910	250	810	0.89	22.19
	Hispanic	17442	532.53	64.69	250	910	250	910	0.88	22.00
	White	33772	581.62	69.20	250	910	250	910	0.89	23.10
	Hawaiian/Pacific Islander	131	563.72	65.92	250	910	367	745	0.88	22.66
	Two or More Races	1598	578.73	72.92	250	910	352	910	0.89	23.94
	Not Free Lunch Eligible	35549	585.66	68.70	250	910	250	910	0.88	23.43
	Free Lunch Eligible	18276	525.78	63.83	250	910	250	910	0.88	21.89
	Reduced Lunch Eligible	4163	548.43	63.32	250	910	250	867	0.88	21.98
	Female	28412	579.36	71.29	250	910	250	910	0.89	23.55
	Male	29598	549.48	70.26	250	910	250	910	0.90	22.12
	Language Proficiency NA	48438	572.58	70.58	250	910	250	910	0.89	22.95
	Language Proficiency NEP	635	415.53	70.77	250	910	250	620	0.85	27.47
	Language Proficiency LEP	3633	490.61	41.83	250	910	319	670	0.77	19.90
	Language Proficiency FEP	5304	554.96	53.23	250	910	316	891	0.83	22.07
	Not Migrant Or Immigrant	57293	565.08	71.66	250	910	250	910	0.90	22.88
	Migrant	182	503.82	64.91	250	910	255	715	0.89	21.96
	Immigrant	504	481.77	87.31	250	910	250	891	0.92	25.30
	Migrant and Immigrant	18	457.06	110.10	250	910	250	583	0.92	31.75

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Table 224. Subgroup Reliability for the CSAP Writing Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
9	**No Disability**	54077	576.35	75.30	260	930	260	930	0.91	22.03
	Disability	4850	478.31	67.03	260	930	260	901	0.89	22.33
	No IEP	54062	576.37	75.30	260	930	260	930	0.91	22.03
	IEP	4852	478.27	66.98	260	930	260	901	0.89	22.33
	No Accommodation	54852	574.46	76.16	260	930	260	930	0.92	21.90
	Accommodation	4013	484.27	74.57	260	930	260	820	0.90	23.08
	Am. Indian/AK Native	495	541.00	69.50	260	930	260	748	0.91	20.64
	Asian	1808	584.22	94.55	260	930	260	930	0.94	23.89
	Black	2986	527.47	75.03	260	930	260	820	0.92	21.79
	Hispanic	17517	533.10	71.20	260	930	260	930	0.91	21.34
	White	34378	588.67	75.07	260	930	260	930	0.91	21.97
	Hawaiian/Pacific Islander	127	567.21	87.29	260	930	260	774	0.93	22.43
	Two or More Races	1613	582.22	79.64	260	930	260	930	0.92	22.81
	Not Free Lunch Eligible	37677	589.81	75.38	260	930	260	930	0.91	22.20
	Free Lunch Eligible	17281	525.08	70.76	260	930	260	930	0.91	21.29
	Reduced Lunch Eligible	3926	552.19	70.56	260	930	260	930	0.91	21.33
	Female	28892	583.79	77.22	260	930	260	930	0.92	22.32
	Male	30034	553.37	78.54	260	930	260	930	0.93	21.38
	Language Proficiency NA	49716	577.85	76.94	260	930	260	930	0.92	21.83
	Language Proficiency NEP	842	408.99	71.49	260	930	260	602	0.82	30.40
	Language Proficiency LEP	3279	488.35	48.75	260	930	277	874	0.83	20.32
	Language Proficiency FEP	5086	552.74	57.34	260	930	260	930	0.87	20.85
	Not Migrant Or Immigrant	58086	569.67	78.36	260	930	260	930	0.92	21.82
	Migrant	193	488.59	81.42	260	930	260	689	0.91	24.44
	Immigrant	606	466.17	92.29	260	930	260	796	0.92	26.67
	Migrant and Immigrant	24	472.21	63.74	260	930	340	596	0.88	21.90
10	**No Disability**	52039	580.84	70.70	270	950	270	950	0.91	21.65
	Disability	4419	492.96	58.44	270	950	270	788	0.89	19.23
	No IEP	52033	580.84	70.71	270	950	270	950	0.91	21.65
	IEP	4417	492.94	58.45	270	950	270	788	0.89	19.23
	No Accommodation	53221	578.46	71.48	270	950	270	950	0.91	21.43
	Accommodation	3166	498.45	69.95	270	950	270	950	0.91	21.16
	Am. Indian/AK Native	530	544.73	70.59	270	950	270	860	0.92	20.56
	Asian/Pacific Islander	1811	586.81	87.76	270	950	270	950	0.93	23.29
	Black	2848	539.68	67.91	270	950	270	845	0.91	20.03
	Hispanic	15887	542.06	65.97	270	950	270	950	0.91	19.93
	White	33789	591.22	70.79	270	950	270	950	0.91	21.77
	Hawaiian/Pacific Islander	133	574.80	76.02	270	950	364	860	0.91	22.51
	Two or More Races	1453	583.42	70.65	270	950	346	950	0.91	21.76
	Not Free Lunch Eligible	37896	590.62	71.43	270	950	270	950	0.91	21.86
	Free Lunch Eligible	15028	535.51	65.51	270	950	270	876	0.91	19.72
	Reduced Lunch Eligible	3505	559.02	65.87	270	950	270	845	0.90	20.46
	Female	27565	589.97	71.36	270	950	270	950	0.91	21.92
	Male	28892	558.71	72.66	270	950	270	950	0.92	20.52
	Language Proficiency NA	48120	581.94	72.04	270	950	270	950	0.91	21.41
	Language Proficiency NEP	761	435.46	63.25	270	950	270	600	0.84	25.63
	Language Proficiency LEP	2780	502.16	42.85	270	950	270	695	0.83	17.47
	Language Proficiency FEP	4796	557.50	56.93	270	950	312	950	0.87	20.38
	Not Migrant Or Immigrant	55688	575.15	72.92	270	950	270	950	0.92	21.26
	Migrant	168	509.50	58.94	270	950	270	663	0.89	19.52
	Immigrant	575	481.24	82.82	270	950	270	738	0.92	23.20
	Migrant and Immigrant	13	443.46	74.66	270	950	270	559	0.89	24.98

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Table 225. Subgroup Reliability for the CSAP Mathematics Tests

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
3	No Disability	57245	467.82	84.48	150	700	150	700	0.90	26.22
	Disability	5622	380.56	92.20	150	700	150	700	0.91	28.00
	No IEP	57241	467.81	84.49	150	700	150	700	0.90	26.22
	IEP	5620	380.60	92.19	150	700	150	700	0.91	28.01
	No Accommodation	51587	475.70	82.18	150	700	150	700	0.90	26.25
	Accommodation	11234	388.21	82.14	150	700	150	700	0.89	27.07
	Am. Indian/AK Native	487	425.25	85.83	150	700	150	700	0.91	26.45
	Asian	2074	490.09	93.65	150	700	150	700	0.92	27.14
	Black	2887	406.98	88.32	150	700	150	689	0.91	26.99
	Hispanic	20737	422.75	83.33	150	700	150	700	0.90	26.23
	White	34663	484.98	81.43	150	700	150	700	0.90	26.25
	Hawaiian/Pacific Islander	116	466.56	79.84	150	700	186	700	0.90	25.77
	Two or More Races	1902	467.47	89.60	150	700	150	700	0.91	26.55
	Not Free Lunch Eligible	34846	490.04	81.12	150	700	150	700	0.89	26.41
	Free Lunch Eligible	23452	418.31	83.17	150	700	150	700	0.90	26.27
	Reduced Lunch Eligible	4550	445.03	81.78	150	700	150	700	0.90	25.89
	Female	30746	458.05	86.71	150	700	150	700	0.91	26.26
	Male	32118	461.90	90.64	150	700	150	700	0.91	26.61
	Language Proficiency NA	50368	471.32	85.91	150	700	150	700	0.91	26.34
	Language Proficiency NEP	2751	345.64	79.82	150	700	150	647	0.87	28.98
	Language Proficiency LEP	8211	421.61	70.04	150	700	150	700	0.87	25.15
	Language Proficiency FEP	1536	499.35	75.81	150	700	150	700	0.88	26.62
	Not Migrant Or Immigrant	61806	460.75	88.51	150	700	150	700	0.91	26.45
	Migrant	237	401.71	80.01	150	700	150	606	0.89	26.48
	Immigrant	778	421.76	96.77	150	700	150	700	0.92	27.42
	Migrant and Immigrant	39	404.13	69.26	150	700	263	567	0.88	23.57
4	No Disability	56531	500.93	72.98	180	780	180	780	0.94	18.34
	Disability	5978	409.96	84.42	180	780	180	769	0.95	19.77
	No IEP	56518	500.95	72.98	180	780	180	780	0.94	18.34
	IEP	5978	409.95	84.42	180	780	180	769	0.95	19.77
	No Accommodation	51455	507.18	70.83	180	780	180	780	0.93	18.37
	Accommodation	11030	422.57	76.86	180	780	180	769	0.94	19.12
	Am. Indian/AK Native	547	465.08	73.18	180	780	212	700	0.94	17.92
	Asian/Pacific Islander	1978	521.32	86.42	180	780	180	780	0.95	19.36
	Black	2924	442.72	81.41	180	780	180	780	0.95	19.00
	Hispanic	20388	459.59	74.85	180	780	180	780	0.94	18.24
	White	34585	513.84	71.51	180	780	180	780	0.93	18.43
	Hawaiian/Pacific Islander	118	493.03	89.72	180	780	180	704	0.95	19.50
	Two or More Races	1965	502.63	78.01	180	780	180	780	0.94	18.48
	Not Free Lunch Eligible	34837	518.73	71.50	180	780	180	780	0.93	18.55
	Free Lunch Eligible	22965	454.10	74.87	180	780	180	780	0.94	18.31
	Reduced Lunch Eligible	4688	482.27	70.31	180	780	180	771	0.94	17.82
	Female	30763	491.97	77.24	180	780	180	780	0.94	18.45
	Male	31745	492.50	80.33	180	780	180	780	0.95	18.55
	Language Proficiency NA	50351	501.57	76.22	180	780	180	780	0.94	18.45
	Language Proficiency NEP	2036	375.68	76.12	180	780	180	759	0.93	20.74
	Language Proficiency LEP	7551	451.04	59.25	180	780	180	695	0.92	16.99
	Language Proficiency FEP	2569	522.62	63.47	180	780	186	780	0.91	18.85
	Not Migrant Or Immigrant	61635	492.94	78.49	180	780	180	780	0.94	18.50
	Migrant	205	439.24	74.22	180	780	187	656	0.94	18.05
	Immigrant	628	444.73	91.00	180	780	180	711	0.95	19.83
	Migrant and Immigrant	27	408.96	75.20	180	780	209	525	0.93	19.67

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Table 225. Subgroup Reliability for the CSAP Mathematics Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
5	No Disability	55785	530.94	72.37	220	800	220	800	0.93	18.98
	Disability	6018	431.79	86.48	220	800	220	800	0.93	22.31
	No IEP	55773	530.95	72.38	220	800	220	800	0.93	18.98
	IEP	6015	431.80	86.49	220	800	220	800	0.93	22.31
	No Accommodation	51632	535.81	70.70	220	800	220	800	0.93	18.95
	Accommodation	10128	447.22	80.64	220	800	220	800	0.93	21.39
	Am. Indian/AK Native	519	492.17	78.75	220	800	220	800	0.94	19.82
	Asian	1909	553.98	89.57	220	800	220	800	0.95	20.85
	Black	2982	477.46	80.43	220	800	220	800	0.94	20.40
	Hispanic	20089	490.25	75.58	220	800	220	800	0.93	19.40
	White	34337	541.40	73.27	220	800	220	800	0.93	19.21
	Hawaiian/Pacific Islander	142	515.74	82.47	220	800	220	679	0.94	20.20
	Two or More Races	1820	530.79	78.10	220	800	220	800	0.94	19.11
	Not Free Lunch Eligible	34803	546.75	72.24	220	800	220	800	0.93	19.24
	Free Lunch Eligible	22334	483.65	76.57	220	800	220	800	0.93	19.73
	Reduced Lunch Eligible	4644	511.61	70.76	220	800	220	800	0.93	18.74
	Female	30174	521.05	75.64	220	800	220	800	0.94	19.13
	Male	31626	521.53	83.01	220	800	220	800	0.94	19.77
	Language Proficiency NA	50214	530.00	77.02	220	800	220	800	0.94	19.33
	Language Proficiency NEP	1314	391.65	88.43	220	800	220	732	0.92	25.02
	Language Proficiency LEP	6796	471.76	61.55	220	800	220	800	0.91	18.41
	Language Proficiency FEP	3476	541.34	60.59	220	800	220	800	0.90	18.78
	Not Migrant Or Immigrant	60970	522.06	79.01	220	800	220	800	0.94	19.44
	Migrant	248	469.84	81.84	220	800	220	670	0.93	21.02
	Immigrant	531	461.63	99.63	220	800	220	720	0.95	22.77
	Migrant and Immigrant	34	461.41	86.91	220	800	220	676	0.93	23.47
6	No Disability	54582	548.91	69.82	240	830	240	830	0.93	18.21
	Disability	5832	447.68	84.42	240	830	240	774	0.92	24.33
	No IEP	54572	548.92	69.81	240	830	240	830	0.93	18.20
	IEP	5830	447.65	84.42	240	830	240	774	0.92	24.33
	No Accommodation	52316	550.90	69.10	240	830	240	830	0.93	18.13
	Accommodation	8052	462.78	84.45	240	830	240	762	0.92	23.22
	Am. Indian/AK Native	523	509.40	76.72	240	830	240	750	0.93	20.28
	Asian/Pacific Islander	1812	566.93	85.16	240	830	240	816	0.95	19.92
	Black	3043	493.91	84.05	240	830	240	724	0.93	21.89
	Hispanic	19272	509.25	74.08	240	830	240	819	0.93	19.81
	White	33884	558.69	70.82	240	830	240	830	0.93	18.31
	Hawaiian/Pacific Islander	136	528.99	79.80	240	830	240	686	0.94	20.03
	Two or More Races	1744	549.42	71.35	240	830	240	761	0.93	18.36
	Not Free Lunch Eligible	34877	563.02	69.71	240	830	240	830	0.93	18.21
	Free Lunch Eligible	20976	502.27	75.63	240	830	240	762	0.93	20.39
	Reduced Lunch Eligible	4541	526.02	70.98	240	830	240	819	0.93	19.04
	Female	29596	540.24	73.47	240	830	240	830	0.94	18.64
	Male	30818	538.09	80.92	240	830	240	830	0.94	19.53
	Language Proficiency NA	49801	546.83	75.06	240	830	240	830	0.94	18.83
	Language Proficiency NEP	907	410.95	96.79	240	830	240	692	0.91	28.67
	Language Proficiency LEP	5304	480.65	62.72	240	830	240	712	0.89	20.44
	Language Proficiency FEP	4402	549.04	58.94	240	830	248	819	0.91	17.35
	Not Migrant Or Immigrant	59628	539.90	76.86	240	830	240	830	0.94	19.06
	Migrant	211	479.67	75.87	240	830	240	646	0.92	21.81
	Immigrant	533	483.52	99.33	240	830	240	694	0.94	23.69
	Migrant and Immigrant	30	461.67	89.11	240	830	240	636	0.92	24.58

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Table 225. Subgroup Reliability for the CSAP Mathematics Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
7	No Disability	53947	568.64	68.22	280	860	280	860	0.93	17.99
	Disability	5528	469.98	83.89	280	860	280	833	0.90	26.45
	No IEP	53941	568.65	68.22	280	860	280	860	0.93	17.99
	IEP	5523	469.89	83.87	280	860	280	833	0.90	26.46
	No Accommodation	52684	569.18	68.45	280	860	280	860	0.93	18.07
	Accommodation	6760	483.78	84.46	280	860	280	860	0.92	24.51
	Am. Indian/AK Native	524	530.86	75.53	280	860	280	764	0.92	21.07
	Asian	1831	592.14	81.76	280	860	280	860	0.94	19.60
	Black	2986	515.66	78.06	280	860	280	860	0.92	22.27
	Hispanic	18524	527.07	71.92	280	860	280	819	0.92	20.59
	White	33797	579.30	68.55	280	860	280	860	0.93	18.13
	Hawaiian/Pacific Islander	128	547.71	77.28	280	860	280	744	0.94	19.76
	Two or More Races	1687	569.64	73.04	280	860	280	851	0.93	18.87
	Not Free Lunch Eligible	35174	583.04	67.92	280	860	280	860	0.93	17.98
	Free Lunch Eligible	19835	520.81	73.08	280	860	280	860	0.92	21.31
	Reduced Lunch Eligible	4443	545.60	67.91	280	860	280	821	0.92	19.40
	Female	29204	560.47	72.00	280	860	280	860	0.93	18.73
	Male	30268	558.51	78.67	280	860	280	860	0.94	19.68
	Language Proficiency NA	49238	567.37	73.04	280	860	280	860	0.93	18.84
	Language Proficiency NEP	742	436.28	86.93	280	860	280	673	0.88	30.05
	Language Proficiency LEP	4657	492.70	62.78	280	860	280	709	0.86	23.54
	Language Proficiency FEP	4837	562.22	59.31	280	860	280	823	0.91	17.37
	Not Migrant Or Immigrant	58694	560.23	75.02	280	860	280	860	0.94	19.17
	Migrant	230	500.02	76.87	280	860	280	728	0.91	23.13
	Immigrant	519	503.12	91.15	280	860	280	725	0.93	23.53
	Migrant and Immigrant	21	483.29	84.86	280	860	280	635	0.94	21.38
8	No Disability	52951	583.16	62.31	310	890	310	890	0.93	16.01
	Disability	5109	496.66	66.89	310	890	310	726	0.90	21.50
	No IEP	52938	583.17	62.30	310	890	310	890	0.93	16.01
	IEP	5109	496.70	66.91	310	890	310	726	0.90	21.50
	No Accommodation	51554	583.04	62.67	310	890	310	890	0.93	16.06
	Accommodation	6472	515.86	73.32	310	890	310	863	0.93	19.75
	Am. Indian/AK Native	508	553.25	62.79	310	890	310	723	0.92	17.57
	Asian/Pacific Islander	1795	608.96	71.08	310	890	310	890	0.94	17.15
	Black	2764	540.79	67.46	310	890	310	747	0.92	18.70
	Hispanic	17484	547.10	63.67	310	890	310	846	0.92	17.65
	White	33776	591.17	62.75	310	890	310	890	0.93	16.09
	Hawaiian/Pacific Islander	131	577.13	65.27	310	890	310	744	0.93	17.22
	Two or More Races	1604	586.19	66.41	310	890	310	888	0.94	16.34
	Not Free Lunch Eligible	35546	594.78	62.15	310	890	310	890	0.93	15.98
	Free Lunch Eligible	18321	541.59	63.99	310	890	310	783	0.92	18.16
	Reduced Lunch Eligible	4170	560.97	61.44	310	890	310	765	0.93	16.87
	Female	28435	575.99	63.79	310	890	310	890	0.93	16.37
	Male	29625	575.13	70.57	310	890	310	890	0.94	17.10
	Language Proficiency NA	48451	581.74	65.79	310	890	310	890	0.94	16.53
	Language Proficiency NEP	649	474.47	73.24	310	890	310	727	0.89	24.34
	Language Proficiency LEP	3650	513.19	54.02	310	890	310	741	0.87	19.64
	Language Proficiency FEP	5310	574.29	56.19	310	890	310	890	0.92	15.89
	Not Migrant Or Immigrant	57341	576.11	67.06	310	890	310	890	0.94	16.74
	Migrant	181	524.72	69.02	310	890	310	678	0.92	19.80
	Immigrant	507	533.65	75.83	310	890	310	792	0.94	18.43
	Migrant and Immigrant	18	514.28	87.93	310	890	310	644	0.93	22.51

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Table 225. Subgroup Reliability for the CSAP Mathematics Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
9	No Disability	54167	583.69	66.58	340	920	340	920	0.93	18.12
	Disability	4850	490.08	73.67	340	920	340	753	0.88	25.24
	No IEP	54153	583.72	66.55	340	920	340	920	0.93	18.11
	IEP	4853	490.04	73.68	340	920	340	753	0.88	25.24
	No Accommodation	55041	581.54	68.31	340	920	340	920	0.93	18.46
	Accommodation	3944	498.55	76.49	340	920	340	791	0.90	23.85
	Am. Indian/AK Native	494	549.50	70.04	340	920	340	748	0.91	21.11
	Asian	1812	603.57	79.55	340	920	340	920	0.94	19.27
	Black	3002	530.79	72.87	340	920	340	746	0.91	22.33
	Hispanic	17550	543.99	68.72	340	920	340	802	0.91	20.92
	White	34412	594.69	65.15	340	920	340	920	0.93	17.83
	Hawaiian/Pacific Islander	127	574.94	73.92	340	920	340	781	0.93	19.75
	Two or More Races	1615	586.97	69.83	340	920	340	800	0.93	18.30
	Not Free Lunch Eligible	37718	594.99	65.90	340	920	340	920	0.93	17.85
	Free Lunch Eligible	17326	537.69	69.85	340	920	340	757	0.90	21.64
	Reduced Lunch Eligible	3929	562.97	65.96	340	920	340	806	0.91	19.41
	Female	28921	575.89	67.99	340	920	340	874	0.92	18.79
	Male	30094	576.11	75.54	340	920	340	920	0.93	19.34
	Language Proficiency NA	49794	583.40	69.52	340	920	340	920	0.93	18.64
	Language Proficiency NEP	858	459.03	67.78	340	920	340	722	0.82	28.75
	Language Proficiency LEP	3278	506.82	61.76	340	920	340	765	0.85	23.99
	Language Proficiency FEP	5081	567.93	59.11	340	920	340	868	0.90	18.35
	Not Migrant Or Immigrant	58168	576.91	71.39	340	920	340	920	0.93	19.01
	Migrant	197	512.38	72.30	340	920	340	656	0.88	24.85
	Immigrant	611	514.34	84.09	340	920	340	765	0.92	23.23
	Migrant and Immigrant	24	501.54	75.76	340	920	340	623	0.86	27.94
10	No Disability	52196	598.87	64.87	370	950	370	874	0.93	17.22
	Disability	4437	509.55	73.62	370	950	370	783	0.89	24.57
	No IEP	52191	598.87	64.87	370	950	370	874	0.93	17.22
	IEP	4437	509.58	73.62	370	950	370	783	0.89	24.56
	No Accommodation	53502	596.35	66.70	370	950	370	874	0.93	17.58
	Accommodation	3107	514.71	77.39	370	950	370	807	0.91	23.18
	Am. Indian/AK Native	532	560.71	71.16	370	950	370	724	0.92	20.70
	Asian/Pacific Islander	1816	616.12	78.92	370	950	370	874	0.94	18.59
	Black	2857	550.45	69.06	370	950	370	783	0.90	22.05
	Hispanic	15937	560.30	66.38	370	950	370	783	0.91	19.98
	White	33897	609.02	64.07	370	950	370	874	0.93	17.05
	Hawaiian/Pacific Islander	133	586.17	67.14	370	950	370	781	0.93	17.81
	Two or More Races	1458	601.25	65.26	370	950	370	874	0.93	17.29
	Not Free Lunch Eligible	37990	608.01	65.04	370	950	370	874	0.93	17.08
	Free Lunch Eligible	15090	554.86	67.72	370	950	370	794	0.90	20.97
	Reduced Lunch Eligible	3529	576.70	64.78	370	950	370	767	0.91	19.00
	Female	27629	589.91	65.81	370	950	370	874	0.93	17.76
	Male	29004	593.74	73.44	370	950	370	874	0.94	18.52
	Language Proficiency NA	48271	598.73	67.67	370	950	370	874	0.93	17.72
	Language Proficiency NEP	771	477.09	72.74	370	950	370	692	0.83	30.30
	Language Proficiency LEP	2783	525.84	59.37	370	950	370	771	0.85	23.14
	Language Proficiency FEP	4808	579.62	57.87	370	950	370	822	0.91	17.53
	Not Migrant Or Immigrant	55859	592.80	69.21	370	950	370	874	0.93	18.05
	Migrant	169	525.45	73.03	370	950	370	689	0.88	25.11
	Immigrant	579	524.73	84.67	370	950	370	773	0.93	23.19
	Migrant and Immigrant	14	504.21	85.37	370	950	370	611	0.87	30.65

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Table 226. Subgroup Reliability for the CSAP Science Tests

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
5	No Disability	55773	503.33	62.76	300	900	300	753	0.92	17.76
	Disability	6009	429.48	70.33	300	900	300	666	0.91	20.73
	No IEP	55759	503.33	62.76	300	900	300	753	0.92	17.76
	IEP	6010	429.50	70.32	300	900	300	666	0.91	20.73
	No Accommodation	52693	507.25	60.77	300	900	300	753	0.92	17.59
	Accommodation	9050	431.46	66.39	300	900	300	717	0.90	20.69
	Am. Indian/AK Native	520	472.10	66.94	300	900	300	667	0.92	18.76
	Asian	1905	507.11	72.99	300	900	300	753	0.94	18.63
	Black	2987	456.38	64.93	300	900	300	617	0.91	19.62
	Hispanic	20089	461.33	64.31	300	900	300	679	0.91	19.16
	White	34316	519.19	57.77	300	900	300	719	0.91	17.45
	Hawaiian/Pacific Islander	143	482.01	70.27	300	900	300	630	0.93	19.04
	Two or More Races	1822	507.71	64.12	300	900	300	668	0.92	17.85
	Not Free Lunch Eligible	34798	521.43	57.40	300	900	300	753	0.91	17.39
	Free Lunch Eligible	22320	458.60	64.54	300	900	300	673	0.91	19.37
	Reduced Lunch Eligible	4644	487.17	60.81	300	900	300	667	0.91	18.22
	Female	30172	494.47	64.64	300	900	300	753	0.92	18.01
	Male	31610	497.74	69.51	300	900	300	719	0.93	18.33
	Language Proficiency NA	50190	507.32	62.50	300	900	300	753	0.92	17.77
	Language Proficiency NEP	1310	370.58	58.41	300	900	300	598	0.84	23.66
	Language Proficiency LEP	6798	435.56	51.50	300	900	300	673	0.85	20.03
	Language Proficiency FEP	3481	500.68	49.32	300	900	300	701	0.88	17.14
	Not Migrant Or Immigrant	60960	497.02	66.66	300	900	300	753	0.93	18.14
	Migrant	248	437.33	64.00	300	900	300	591	0.90	20.32
	Immigrant	523	427.62	78.59	300	900	300	641	0.93	20.97
	Migrant and Immigrant	34	412.85	69.94	300	900	300	565	0.90	22.58
8	No Disability	52870	506.38	57.95	300	900	300	722	0.92	16.35
	Disability	5084	428.36	64.84	300	900	300	653	0.90	20.96
	No IEP	52858	506.39	57.94	300	900	300	722	0.92	16.35
	IEP	5084	428.38	64.85	300	900	300	653	0.90	20.96
	No Accommodation	52663	506.49	57.90	300	900	300	722	0.92	16.38
	Accommodation	5262	430.08	65.41	300	900	300	653	0.90	20.66
	Am. Indian/AK Native	504	478.39	61.51	300	900	300	639	0.92	17.62
	Asian/Pacific Islander	1794	513.26	66.51	300	900	300	701	0.93	17.27
	Black	2765	463.49	63.46	300	900	300	648	0.91	19.15
	Hispanic	17423	468.57	61.57	300	900	300	665	0.91	18.43
	White	33743	517.55	54.92	300	900	300	722	0.92	15.92
	Hawaiian/Pacific Islander	131	492.58	65.54	300	900	300	617	0.93	17.82
	Two or More Races	1597	510.82	59.99	300	900	300	671	0.93	16.38
	Not Free Lunch Eligible	35516	519.20	54.75	300	900	300	722	0.92	15.88
	Free Lunch Eligible	18255	464.16	61.68	300	900	300	644	0.91	18.89
	Reduced Lunch Eligible	4161	487.02	57.82	300	900	300	652	0.91	17.23
	Female	28386	498.44	59.63	300	900	300	722	0.92	16.69
	Male	29566	500.59	65.31	300	900	300	702	0.93	17.18
	Language Proficiency NA	48376	507.62	59.26	300	900	300	722	0.92	16.51
	Language Proficiency NEP	643	372.02	59.16	300	900	300	559	0.81	26.13
	Language Proficiency LEP	3639	426.02	48.90	300	900	300	591	0.80	21.79
	Language Proficiency FEP	5296	491.67	48.98	300	900	300	656	0.89	16.10
	Not Migrant Or Immigrant	57237	500.31	62.10	300	900	300	722	0.93	16.91
	Migrant	181	442.64	65.42	300	900	300	574	0.90	20.81
	Immigrant	505	435.85	72.76	300	900	300	618	0.92	20.70
	Migrant and Immigrant	19	422.11	79.23	300	900	300	545	0.91	23.83

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Table 226. Subgroup Reliability for the CSAP Science Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
10	**No Disability**	52119	502.13	60.39	300	900	300	693	0.92	17.58
	Disability	4453	425.26	68.72	300	900	300	655	0.90	21.45
	No IEP	52111	502.12	60.40	300	900	300	693	0.92	17.58
	IEP	4453	425.34	68.76	300	900	300	655	0.90	21.45
	No Accommodation	53584	500.09	61.77	300	900	300	693	0.92	17.79
	Accommodation	2960	423.47	69.44	300	900	300	654	0.91	21.19
	Am. Indian/AK Native	532	471.97	65.04	300	900	300	629	0.91	19.26
	Asian	1811	505.56	69.23	300	900	300	649	0.93	18.20
	Black	2854	458.55	64.72	300	900	300	635	0.90	20.78
	Hispanic	15915	462.72	62.96	300	900	300	666	0.90	19.77
	White	33863	514.40	56.98	300	900	300	693	0.91	17.09
	Hawaiian/Pacific Islander	133	486.17	61.14	300	900	300	602	0.91	18.54
	Two or More Races	1460	506.13	59.66	300	900	300	664	0.92	17.39
	Not Free Lunch Eligible	37953	512.16	58.32	300	900	300	693	0.91	17.19
	Free Lunch Eligible	15072	458.60	64.04	300	900	300	658	0.90	20.23
	Reduced Lunch Eligible	3518	483.36	60.29	300	900	300	638	0.90	18.81
	Female	27593	495.71	59.99	300	900	300	689	0.91	17.86
	Male	28977	496.42	68.51	300	900	300	693	0.93	18.28
	Language Proficiency NA	48211	504.11	61.19	300	900	300	693	0.92	17.68
	Language Proficiency NEP	768	372.27	52.78	300	900	300	526	0.72	27.82
	Language Proficiency LEP	2783	421.47	52.51	300	900	300	605	0.81	23.13
	Language Proficiency FEP	4809	478.55	52.26	300	900	300	644	0.88	18.14
	Not Migrant Or Immigrant	55801	497.11	63.80	300	900	300	693	0.92	18.04
	Migrant	171	427.94	62.66	300	900	300	573	0.87	22.74
	Immigrant	575	419.07	72.17	300	900	300	630	0.91	21.85
	Migrant and Immigrant	13	387.85	75.43	300	900	300	515	0.91	23.09

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Table 227. Subgroup Reliability for the CSAP Spanish Reading Tests

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
3	No Disability	1100	526.74	45.37	300	740	300	708	0.87	16.46
	Disability	92	459.02	63.78	300	740	300	600	0.86	23.54
	No IEP	1100	526.74	45.37	300	740	300	708	0.87	16.46
	IEP	92	459.02	63.78	300	740	300	600	0.86	23.54
	No Accommodation	911	527.67	45.84	300	740	300	708	0.87	16.50
	Accommodation	280	502.04	58.13	300	740	300	667	0.89	19.05
	Am. Indian/AK Native	2	539.50	50.20	300	740	504	575	0.89	16.39
	Asian	.	.	.	.	.	.	.	.	.
	Black	.	.	.	.	.	.	.	.	.
	Hispanic	1179	521.54	50.55	300	740	300	708	0.88	17.35
	White	11	515.00	28.83	300	740	482	581	0.69	16.03
	Hawaiian/Pacific Islander	.	.	.	.	.	.	.	.	.
	Two or More Races	.	.	.	.	.	.	.	.	.
	Not Free Lunch Eligible	71	532.15	61.11	300	740	300	708	0.91	18.52
	Free Lunch Eligible	1040	520.15	49.73	300	740	300	708	0.88	17.35
	Reduced Lunch Eligible	81	529.59	46.84	300	740	406	640	0.89	15.74
	Female	618	529.67	45.78	300	740	300	708	0.87	16.64
	Male	574	512.73	53.56	300	740	300	667	0.89	17.97
	Language Proficiency NA	6	516.83	58.17	300	740	472	629	0.92	16.62
	Language Proficiency NEP	623	499.12	48.43	300	740	300	610	0.86	18.45
	Language Proficiency LEP	554	545.50	39.28	300	740	300	708	0.83	16.19
	Language Proficiency FEP	9	597.78	34.31	300	740	540	659	0.68	19.35
	Not Migrant Or Immigrant	1091	521.56	50.41	300	740	300	708	0.88	17.28
	Migrant	14	510.50	55.66	300	740	359	587	0.89	18.54
	Immigrant	82	523.06	49.63	300	740	300	659	0.86	18.44
	Migrant and Immigrant	5	516.00	51.39	300	740	461	581	0.94	12.91
4	No Disability	123	531.46	32.79	300	790	443	599	0.90	10.50
	Disability	2	543.50	34.65	300	790	519	568	0.94	8.84
	No IEP	123	531.46	32.79	300	790	443	599	0.90	10.50
	IEP	2	543.50	34.65	300	790	519	568	0.94	8.84
	No Accommodation	75	532.39	33.31	300	790	443	599	0.90	10.33
	Accommodation	50	530.56	32.09	300	790	456	589	0.89	10.79
	Am. Indian/AK Native	.	.	.	.	.	.	.	.	.
	Asian/Pacific Islander	.	.	.	.	.	.	.	.	.
	Black	.	.	.	.	.	.	.	.	.
	Hispanic	122	531.30	32.95	300	790	443	599	0.90	10.51
	White	3	546.33	18.48	300	790	525	557	0.68	10.40
	Hawaiian/Pacific Islander	.	.	.	.	.	.	.	.	.
	Two or More Races	.	.	.	.	.	.	.	.	.
	Not Free Lunch Eligible	17	542.65	27.71	300	790	475	584	0.87	10.08
	Free Lunch Eligible	103	529.83	33.64	300	790	443	599	0.90	10.52
	Reduced Lunch Eligible	4	528.00	27.78	300	790	487	547	0.83	11.40
	Female	65	534.62	35.76	300	790	443	599	0.91	10.56
	Male	60	528.45	29.01	300	790	456	589	0.87	10.42
	Language Proficiency NA	1	551.00	.	300	790	551	551	.	.
	Language Proficiency NEP	110	531.09	33.59	300	790	443	599	0.90	10.56
	Language Proficiency LEP	14	534.71	26.55	300	790	500	589	0.86	9.80
	Language Proficiency FEP	.	.	.	.	.	.	.	.	.
	Not Migrant Or Immigrant	78	532.00	32.29	300	790	443	599	0.89	10.74
	Migrant	4	538.75	40.74	300	790	491	584	0.94	10.02
	Immigrant	39	532.21	34.06	300	790	459	590	0.91	10.11
	Migrant and Immigrant	4	512.50	23.30	300	790	483	540	0.83	9.55

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Table 228. Subgroup Reliability for the CSAP Spanish Writing Tests

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
3	No Disability	1133	523.55	70.71	250	750	274	750	0.91	21.11
	Disability	89	433.03	68.90	250	750	250	587	0.90	21.33
	No IEP	1133	523.55	70.71	250	750	274	750	0.91	21.11
	IEP	89	433.03	68.90	250	750	250	587	0.90	21.33
	No Accommodation	892	522.49	71.31	250	750	274	750	0.91	20.87
	Accommodation	329	502.49	79.97	250	750	250	750	0.93	21.26
	Am. Indian/AK Native	2	576.00	107.50	250	750	500	652	0.95	23.72
	Asian	.	.	.	.	.	.	.	.	.
	Black	.	.	.	.	.	.	.	.	.
	Hispanic	1208	516.97	74.55	250	750	250	750	0.92	20.92
	White	12	505.83	48.03	250	750	428	598	0.81	20.79
	Hawaiian/Pacific Islander	.	.	.	.	.	.	.	.	.
	Two or More Races	.	.	.	.	.	.	.	.	.
	Not Free Lunch Eligible	76	523.37	86.51	250	750	340	712	0.94	21.55
	Free Lunch Eligible	1064	515.78	73.64	250	750	250	750	0.92	20.94
	Reduced Lunch Eligible	82	526.32	71.63	250	750	315	667	0.92	20.05
	Female	633	532.96	70.34	250	750	259	750	0.91	21.63
	Male	589	499.77	74.81	250	750	250	713	0.93	20.43
	Language Proficiency NA	7	454.57	80.48	250	750	379	621	0.90	25.39
	Language Proficiency NEP	629	482.86	69.70	250	750	250	697	0.91	20.60
	Language Proficiency LEP	577	553.91	60.02	250	750	385	750	0.86	22.44
	Language Proficiency FEP	9	580.11	29.88	250	750	547	628	0.43	22.63
	Not Migrant Or Immigrant	1122	517.58	74.71	250	750	250	750	0.92	20.95
	Migrant	14	520.71	86.70	250	750	345	675	0.95	18.84
	Immigrant	81	510.15	66.93	250	750	336	675	0.90	20.83
	Migrant and Immigrant	5	478.60	85.73	250	750	372	608	0.93	22.86
4	No Disability	120	507.62	41.50	300	790	398	582	0.85	16.01
	Disability	2	524.50	12.02	300	790	516	533	.	.
	No IEP	120	507.62	41.50	300	790	398	582	0.85	16.01
	IEP	2	524.50	12.02	300	790	516	533	.	.
	No Accommodation	72	506.29	39.21	300	790	409	580	0.84	15.76
	Accommodation	50	510.20	44.27	300	790	398	582	0.86	16.37
	Am. Indian/AK Native	.	.	.	.	.	.	.	.	.
	Asian/Pacific Islander	.	.	.	.	.	.	.	.	.
	Black	.	.	.	.	.	.	.	.	.
	Hispanic	119	508.35	41.41	300	790	398	582	0.85	16.06
	White	3	489.67	33.50	300	790	460	526	0.79	15.25
	Hawaiian/Pacific Islander	.	.	.	.	.	.	.	.	.
	Two or More Races	.	.	.	.	.	.	.	.	.
	Not Free Lunch Eligible	17	521.94	23.00	300	790	488	579	0.67	13.29
	Free Lunch Eligible	100	505.44	42.88	300	790	398	582	0.86	16.13
	Reduced Lunch Eligible	4	500.25	56.48	300	790	425	548	0.91	17.03
	Female	65	510.15	45.81	300	790	398	581	0.87	16.33
	Male	57	505.32	35.50	300	790	406	582	0.80	15.75
	Language Proficiency NA	1	526.00	.	300	790	526	526	.	.
	Language Proficiency NEP	108	506.93	41.53	300	790	398	582	0.85	15.96
	Language Proficiency LEP	13	514.54	40.85	300	790	409	571	0.84	16.60
	Language Proficiency FEP	.	.	.	.	.	.	.	.	.
	Not Migrant Or Immigrant	77	508.51	39.53	300	790	398	581	0.83	16.16
	Migrant	4	500.50	53.26	300	790	446	561	0.93	14.14
	Immigrant	37	507.70	46.42	300	790	409	582	0.88	16.16
	Migrant and Immigrant	4	505.25	13.12	300	790	487	517	0.19	11.82

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Table 229. Scale Scores by Accommodation and Disability Classification

Content Area	Grade	Disability Classification	Accommodation					
			No Accommodation			Accommodation		
			N	Mean	SD	N	Mean	SD
Reading	3	No Disability	49320	575.91	62.06	6680	511.17	78.11
		Disability	2028	506.22	100.04	3451	443.75	106.96
		No IEP	49315	575.91	62.06	6684	511.09	78.24
		IEP	2029	506.32	100.03	3447	443.82	106.88
	4	No Disability	49115	600.09	49.86	7275	551.01	57.83
		Disability	1763	540.64	81.01	4174	490.90	88.52
		No IEP	49105	600.10	49.86	7275	551.02	57.83
		IEP	1762	540.64	81.03	4173	490.87	88.50
	5	No Disability	48946	625.42	53.84	6797	576.23	64.77
		Disability	1607	556.72	85.75	4373	511.95	89.14
		No IEP	48932	625.43	53.84	6800	576.22	64.77
		IEP	1607	556.72	85.75	4369	511.92	89.16
	6	No Disability	49530	639.42	53.89	5011	591.24	63.58
		Disability	1948	561.20	79.56	3869	535.19	80.19
		No IEP	49522	639.42	53.89	5012	591.23	63.58
		IEP	1946	561.16	79.57	3868	535.19	80.20
	7	No Disability	50502	651.89	55.37	3400	596.67	68.94
		Disability	2184	575.16	76.04	3315	547.15	74.95
		No IEP	50492	651.89	55.38	3401	596.62	68.97
		IEP	2179	575.06	76.06	3314	547.18	74.94
	8	No Disability	49792	662.31	51.23	3133	616.13	61.08
		Disability	2060	590.22	61.88	3035	569.61	63.46
		No IEP	49778	662.32	51.22	3135	616.09	61.08
		IEP	2061	590.23	61.87	3033	569.62	63.48
	9	No Disability	52821	664.79	45.31	1234	626.07	54.90
		Disability	2477	601.98	54.33	2350	592.96	56.34
		No IEP	52807	664.80	45.31	1233	626.20	54.91
		IEP	2479	601.98	54.32	2350	592.88	56.31
	10	No Disability	51018	685.65	49.77	1015	639.50	64.19
		Disability	2542	620.13	57.19	1883	611.65	58.50
		No IEP	51010	685.65	49.78	1017	639.46	64.14
		IEP	2542	620.11	57.20	1881	611.64	58.53

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Table 229. Scale Scores by Accommodation and Disability Classification (cont'd)

Content Area	Grade	Disability Classification	Accommodation					
			No Accommodation			Accommodation		
			N	Mean	SD	N	Mean	SD
Writing	3	No Disability	49149	477.77	49.06	6987	430.88	46.19
		Disability	1608	441.42	52.60	3909	402.79	50.05
		No IEP	49140	477.78	49.06	6987	430.88	46.19
		IEP	1611	441.48	52.57	3909	402.80	50.05
	4	No Disability	48434	502.86	47.61	7918	462.90	45.39
		Disability	1363	461.43	49.64	4589	427.86	44.80
		No IEP	48424	502.86	47.60	7918	462.92	45.39
		IEP	1362	461.42	49.65	4588	427.82	44.78
	5	No Disability	48905	522.35	50.78	6804	481.53	50.00
		Disability	1344	473.43	53.92	4652	446.03	45.71
		No IEP	48893	522.35	50.78	6805	481.54	49.99
		IEP	1342	473.48	53.95	4650	446.01	45.71
	6	No Disability	49726	540.54	55.53	4805	493.46	57.25
		Disability	1579	477.10	55.42	4247	454.01	50.75
		No IEP	49719	540.55	55.54	4806	493.45	57.24
		IEP	1576	477.16	55.29	4246	454.01	50.75
	7	No Disability	50168	564.99	61.26	3736	510.74	66.58
		Disability	1757	494.26	58.83	3752	469.97	55.95
		No IEP	50158	564.99	61.26	3737	510.70	66.62
		IEP	1752	494.15	58.85	3751	469.99	55.93
	8	No Disability	49704	575.30	66.88	3204	521.30	72.18
		Disability	1774	495.16	59.84	3328	474.97	57.72
		No IEP	49691	575.32	66.88	3205	521.28	72.18
		IEP	1774	495.23	59.79	3327	474.98	57.73
	9	No Disability	52668	578.18	74.24	1409	508.03	82.27
		Disability	2239	486.40	66.67	2611	471.37	66.56
		No IEP	52654	578.19	74.24	1408	508.16	82.36
		IEP	2240	486.37	66.67	2612	471.32	66.48
	10	No Disability	50913	582.27	69.64	1126	516.30	86.77
		Disability	2377	496.65	59.99	2042	488.66	56.29
		No IEP	50907	582.27	69.64	1126	516.30	86.77
		IEP	2375	496.61	60.02	2042	488.66	56.29

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Table 229. Scale Scores by Accommodation and Disability Classification (cont'd)

Content Area	Grade	Disability Classification	Accommodation					
			No Accommodation			Accommodation		
			N	Mean	SD	N	Mean	SD
Mathematics	3	No Disability	49952	477.28	81.40	7293	403.00	76.29
		Disability	1676	427.24	90.56	3946	360.73	85.51
		No IEP	49944	477.28	81.40	7297	402.97	76.32
		IEP	1677	427.25	90.55	3943	360.75	85.48
	4	No Disability	49959	508.64	69.88	6572	442.36	69.35
		Disability	1519	458.56	83.53	4459	393.40	78.10
		No IEP	49947	508.65	69.88	6571	442.35	69.35
		IEP	1520	458.49	83.56	4458	393.40	78.10
	5	No Disability	50154	537.60	69.32	5631	471.62	71.95
		Disability	1520	476.60	87.98	4498	416.65	80.52
		No IEP	50140	537.61	69.32	5633	471.60	71.95
		IEP	1519	476.61	88.00	4496	416.66	80.53
	6	No Disability	50527	553.56	67.03	4055	490.98	77.47
		Disability	1836	477.14	83.07	3996	434.14	81.55
		No IEP	50517	553.58	67.02	4055	490.98	77.47
		IEP	1834	477.09	83.09	3996	434.14	81.55
	7	No Disability	50733	572.01	66.31	3214	515.41	75.58
		Disability	1982	496.58	80.95	3546	455.11	81.81
		No IEP	50727	572.02	66.31	3214	515.41	75.58
		IEP	1977	496.40	80.95	3546	455.11	81.81
	8	No Disability	49690	585.68	61.01	3261	544.83	68.91
		Disability	1897	514.01	65.59	3212	486.41	65.54
		No IEP	49676	585.69	61.01	3262	544.79	68.93
		IEP	1898	514.07	65.62	3211	486.44	65.55
	9	No Disability	52842	585.03	65.84	1325	530.09	73.21
		Disability	2232	498.89	73.38	2618	482.57	73.11
		No IEP	52829	585.06	65.82	1324	530.15	73.21
		IEP	2235	498.82	73.40	2618	482.55	73.11
	10	No Disability	51152	600.01	64.01	1044	543.11	80.15
		Disability	2371	517.55	74.27	2066	500.37	71.80
		No IEP	51146	600.01	64.01	1045	542.99	80.18
		IEP	2372	517.56	74.26	2065	500.41	71.80

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Table 229. Scale Scores by Accommodation and Disability Classification (cont'd)

Content Area	Grade	Disability Classification	Accommodation					
			No Accommodation			Accommodation		
			N	Mean	SD	N	Mean	SD
Science	5	No Disability	51070	508.70	59.82	4703	444.99	64.25
		Disability	1662	462.56	71.56	4347	416.84	65.59
		No IEP	51058	508.70	59.83	4701	444.96	64.26
		IEP	1662	462.53	71.56	4348	416.87	65.59
	8	No Disability	50556	508.93	56.29	2314	450.56	65.09
		Disability	2134	448.28	64.65	2950	413.96	61.06
		No IEP	50543	508.95	56.28	2315	450.54	65.09
		IEP	2135	448.31	64.65	2949	413.96	61.07
	10	No Disability	51127	503.37	59.41	992	438.10	74.07
		Disability	2478	432.50	70.14	1975	416.17	65.79
		No IEP	51117	503.37	59.42	994	437.97	74.07
		IEP	2480	432.60	70.19	1973	416.21	65.80
Reading Spanish	3	No Disability	897	523.71	48.29	223	526.08	45.70
		Disability	25	465.20	68.90	65	456.12	72.45
		No IEP	897	523.71	48.29	223	526.08	45.70
		IEP	25	465.20	68.90	65	456.12	72.45
	4	No Disability	70	534.27	42.36	42	528.95	39.56
		Disability	1	525.00	.	.	.	.
		No IEP	70	534.27	42.36	42	528.95	39.56
		IEP	1	525.00	.	.	.	.
Writing Spanish	3	No Disability	889	515.22	70.71	233	506.20	68.90
		Disability	18	453.11	83.70	71	431.25	83.60
		No IEP	889	515.22	70.71	233	506.20	68.90
		IEP	18	453.11	83.70	71	431.25	83.60
	4	No Disability	67	515.06	36.52	45	514.42	40.57
		Disability	1	506.00	.	.	.	.
		No IEP	67	515.06	36.52	45	514.42	40.57
		IEP	1	506.00	.	.	.	.

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Table 230. Overall Estimates of Standard Error of Measurement

Content Area	Grade	SEM
Reading	3	25.63
	4	15.64
	5	17.87
	6	17.34
	7	16.89
	8	15.24
	9	13.17
	10	13.57
Writing	3	14.71
	4	16.22
	5	16.73
	6	17.86
	7	20.59
	8	23.36
	9	22.20
	10	21.48
Mathematics	3	26.46
	4	18.52
	5	19.49
	6	19.14
	7	19.25
	8	16.84
	9	19.26
	10	18.17
Science	5	18.20
	8	16.98
	10	18.41
Reading Spanish	3	17.35
	4	10.51
Writing Spanish	3	20.93
	4	16.03

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Table 231. Reading Scale Scores and Associated Standard Errors

RD 3		RD 4		RD 5		RD 6		RD 7		RD 8		RD 9		RD 10	
SS	SE	SS	SE	SS	SE	SS	SE	SS	SE	SS	SE	SS	SE	SS	SE
150	233														
175	208	180	207												
200	183	200	187	220	199										
225	158	225	162	225	194										
250	135	250	137	250	169	260	181								
275	115	275	113	275	144	275	166								
300	96	300	93	300	122	300	141	300	121						
325	80	325	76	325	102	325	116	325	102	330	113				
350	65	350	62	350	84	350	94	350	85	350	96	350	121	370	164
375	51	375	50	375	68	375	75	375	71	375	79	375	101	375	159
400	40	400	40	400	54	400	58	400	58	400	65	400	83	400	134
425	32	425	32	425	42	425	45	425	47	425	52	425	68	425	109
450	26	450	25	450	32	450	34	450	38	450	42	450	54	450	84
475	23	475	20	475	25	475	26	475	30	475	33	475	42	475	63
500	20	500	16	500	19	500	20	500	23	500	26	500	29	500	46
525	19	525	13	525	16	525	16	525	18	525	20	525	19	525	32
550	19	550	11	550	14	550	15	550	15	550	16	550	14	550	23
575	19	575	11	575	13	575	14	575	14	575	14	575	12	575	17
600	19	600	12	600	13	600	13	600	13	600	12	600	11	600	13
625	21	625	13	625	14	625	13	625	13	625	12	625	10	625	11
650	23	650	15	650	15	650	13	650	13	650	12	650	10	650	10
675	26	675	18	675	16	675	15	675	14	675	13	675	11	675	10
700	31	700	22	700	19	700	17	700	16	700	14	700	12	700	11
725	36	725	27	725	23	725	20	725	18	725	16	725	13	725	12
750	42	750	32	750	27	750	24	750	22	750	19	750	16	750	13
775	49	775	37	775	32	775	28	775	26	775	23	775	19	775	16
795	56	800	43	800	39	800	34	800	32	800	28	800	24	800	20
		825	50	825	46	825	41	825	38	825	34	825	31	825	25
		850	58	850	54	850	49	850	45	850	42	850	40	850	32
		875	68	875	64	875	58	875	54	875	52	875	52	875	41
		900	80	900	76	900	68	900	64	900	64	900	67	900	52
		925	94	925	89	925	79	925	75	925	79	925	86	925	66
		940	103	950	105	950	92	950	89	950	98	950	110	950	84
				955	108	970	103	975	105	975	119	975	135	975	107
								980	108	990	133	995	155	999	131

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Table 232. Writing Scale Scores and Associated Standard Errors

WR 3		WR 4		WR 5		WR 6		WR 7		WR 8		WR 9		WR 10	
SS	SE	SS	SE	SS	SE	SS	SE	SS	SE	SS	SE	SS	SE	SS	SE
150	120														
175	95	190	80												
200	72	200	74	220	61										
225	55	225	60	225	58	230	54	240	50						
250	44	250	47	250	46	250	46	250	46	250	45	260	45	270	46
275	35	275	36	275	37	275	37	275	40	275	38	275	41	275	44
300	26	300	27	300	29	300	31	300	35	300	33	300	36	300	38
325	19	325	21	325	24	325	26	325	31	325	29	325	32	325	33
350	15	350	17	350	20	350	22	350	28	350	26	350	29	350	30
375	12	375	14	375	17	375	20	375	25	375	24	375	27	375	28
400	10	400	13	400	15	400	19	400	22	400	23	400	26	400	24
425	10	425	12	425	13	425	17	425	21	425	22	425	25	425	20
450	11	450	12	450	12	450	15	450	19	450	20	450	21	450	16
475	14	475	14	475	13	475	14	475	17	475	18	475	18	475	14
500	18	500	16	500	14	500	14	500	16	500	17	500	16	500	14
525	24	525	18	525	16	525	15	525	15	525	17	525	15	525	15
550	31	550	20	550	19	550	17	550	16	550	18	550	16	550	17
575	42	575	22	575	22	575	20	575	18	575	20	575	18	575	19
600	57	600	26	600	26	600	22	600	20	600	22	600	21	600	22
625	78	625	31	625	31	625	26	625	22	625	24	625	24	625	24
650	103	650	37	650	37	650	29	650	24	650	27	650	26	650	25
675	128	675	44	675	44	675	35	675	26	675	30	675	30	675	27
680	133	700	53	700	52	700	42	700	30	700	33	700	33	700	30
		725	64	725	63	725	51	725	34	725	38	725	37	725	34
		730	67	750	77	750	63	750	41	750	43	750	42	750	40
				775	94	775	77	775	48	775	50	775	48	775	47
				780	98	800	95	800	57	800	58	800	55	800	56
						825	116	825	68	825	67	825	63	825	65
						840	131	850	82	850	78	850	71	850	77
								875	98	875	91	875	81	875	90
								890	109	900	105	900	93	900	105
										910	112	925	107	925	123
												930	110	950	145

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Table 233. Mathematics Scale Scores and Associated Standard Errors

MA 3		MA 4		MA 5		MA 6		MA 7		MA 8		MA 9		MA 10	
SS	SE	SS	SE	SS	SE	SS	SE	SS	SE	SS	SE	SS	SE	SS	SE
150	79														
175	67	180	61												
200	58	200	54	220	65										
225	50	225	46	225	63	240	67								
250	43	250	39	250	54	250	64								
275	37	275	33	275	46	275	57	280	106						
300	33	300	29	300	38	300	51	300	92	310	100				
325	29	325	25	325	32	325	44	325	77	325	89	340	76		
350	26	350	22	350	27	350	38	350	63	350	73	350	70	370	72
375	23	375	19	375	23	375	32	375	52	375	60	375	56	375	70
400	22	400	16	400	20	400	27	400	43	400	48	400	45	400	59
425	21	425	15	425	17	425	23	425	35	425	39	425	36	425	49
450	20	450	14	450	15	450	20	450	28	450	31	450	30	450	41
475	21	475	14	475	15	475	18	475	23	475	26	475	26	475	34
500	23	500	14	500	14	500	16	500	19	500	21	500	23	500	28
525	25	525	16	525	15	525	15	525	16	525	17	525	20	525	23
550	29	550	18	550	16	550	14	550	14	550	14	550	17	550	19
575	33	575	21	575	17	575	14	575	13	575	12	575	14	575	15
600	38	600	25	600	19	600	15	600	12	600	11	600	13	600	13
625	42	625	31	625	21	625	16	625	13	625	11	625	12	625	12
650	42	650	37	650	24	650	18	650	14	650	13	650	12	650	11
675	43	675	45	675	29	675	22	675	17	675	15	675	13	675	11
700	49	700	54	700	35	700	27	700	21	700	19	700	14	700	12
		725	64	725	43	725	34	725	25	725	23	725	17	725	15
		750	77	750	53	750	42	750	31	750	30	750	21	750	18
		775	91	775	64	775	52	775	38	775	38	775	25	775	22
		780	94	800	78	800	64	800	47	800	47	800	32	800	28
						825	78	825	57	825	58	825	41	825	34
						830	81	850	69	850	68	850	50	850	41
								860	74	875	80	875	58	875	50
										890	87	900	67	900	63
												920	76	925	79
														950	102

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Table 234. Science Scale Scores and Associated Standard Errors

SC 5		SC 8		SC 10	
SS	SE	SS	SE	SS	SE
300	44	300	48	300	60
325	36	325	39	325	47
350	30	350	32	350	36
375	25	375	26	375	28
400	21	400	22	400	23
425	19	425	19	425	19
450	17	450	17	450	17
475	16	475	15	475	15
500	15	500	13	500	14
525	15	525	13	525	14
550	15	550	13	550	13
575	16	575	14	575	12
600	18	600	15	600	13
625	20	625	17	625	15
650	22	650	20	650	18
675	27	675	23	675	22
700	33	700	26	700	26
725	41	725	30	725	32
750	50	750	35	750	39
775	60	775	41	775	47
800	71	800	49	800	57
825	84	825	60	825	68
850	99	850	73	850	81
875	116	875	88	875	97
900	136	900	106	900	114

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Table 235. Spanish Reading and Writing Scale Scores and Associated Standard Errors

SP RD 3		SP RD 4		SP WR 3		SP WR 4	
SS	SE	SS	SE	SS	SE	SS	SE
				250	64		
				275	50		
300	128	300	101	300	39	300	62
325	103	325	80	325	30	325	47
350	78	350	62	350	24	350	36
375	56	375	48	375	20	375	28
400	39	400	35	400	18	400	22
425	26	425	25	425	17	425	19
450	17	450	18	450	17	450	17
475	13	475	13	475	17	475	15
500	12	500	10	500	18	500	13
525	12	525	9	525	20	525	11
550	14	550	9	550	22	550	11
575	16	575	10	575	24	575	12
600	19	600	12	600	26	600	15
625	24	625	15	625	29	625	20
650	32	650	22	650	33	650	26
675	42	675	30	675	40	675	32
700	55	700	38	700	50	700	41
725	69	725	48	725	64	725	51
740	79	750	58	750	81	750	63
		775	69			775	78
		790	76			790	88

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Table 236. Cut Scores for the 2011 CSAP Tests

Content Area	Grade	Unsatisfactory	Partially Proficient	Proficient	Advanced
Reading	3	150-465	466-525	526-655	656-795
	4	180-516	517-571	572-670	671-940
	5	220-537	538-587	588-690	691-955
	6	260-542	543-599	600-695	696-970
	7	300-566	567-619	620-715	716-980
	8	330-577	578-631	632-723	724-990
	9	350-584	585-641	642-738	739-995
	10	370-606	607-662	663-746	747-999
Writing	3	150-392	393-464	465-532	533-680
	4	190-413	414-484	485-553	554-730
	5	220-417	418-497	498-575	576-780
	6	230-422	423-512	513-599	600-840
	7	240-429	430-538	539-628	629-890
	8	250-433	434-555	556-650	651-910
	9	260-435	436-562	563-671	672-930
	10	270-458	459-577	578-689	690-950
Mathematics	3	150-334	335-418	419-509	510-700
	4	180-382	383-454	455-537	538-780
	5	220-421	422-493	494-561	562-800
	6	240-453	454-519	520-588	589-830
	7	280-486	487-558	559-613	614-860
	8	310-520	521-576	577-627	628-890
	9	340-547	548-601	602-651	652-920
	10	370-561	562-626	627-691	692-950
Science	5	300-428	429-507	508-568	569-900
	8	300-458	459-506	507-578	579-900
	10	300-468	469-506	507-580	581-900
Reading Spanish	3	300-481	482-512	513-575	576-740
	4	300-505	506-536	537-591	592-790
Writing Spanish	3	250-447	448-498	499-574	575-750
	4	300-495	496-531	532-595	596-790

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Table 237. Alignment Summary, Reading and Writing

Grade	Score Reporting Category (SRC)	Number of items in the SRC	Number of PI	Number of PI Assessed	% of PI Assessed
3	1	40	7	6	86%
	2	21	5	2	40%
	3	32	5	5	100%
4	1	28	8	7	88%
	2	21	5	4	80%
	3	32	5	5	100%
	4	14	5	5	100%
	5	14	6	4	67%
	6	13	4	3	75%
5	1	25	7	5	71%
	2	21	7	7	100%
	3	32	5	5	100%
	4	17	5	4	80%
	5	15	7	6	86%
	6	13	4	3	75%
6	1	27	7	7	100%
	2	21	7	6	86%
	3	32	5	5	100%
	4	16	5	5	100%
	5	14	7	4	57%
	6	12	4	3	75%
7	1	23	9	6	67%
	2	21	8	6	75%
	3	32	6	5	83%
	4	18	5	3	60%
	5	15	7	4	57%
	6	14	4	3	75%
8	1	26	7	5	71%
	2	19	7	5	71%
	3	32	6	5	83%
	4	16	5	5	100%
	5	17	6	4	67%
	6	11	4	3	75%

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Table 237. Alignment Summary, Reading and Writing (cont'd)

Grade	Score Reporting Category (SRC)	Number of items in the SRC	Number of PI	Number of PI Assessed	% of PI Assessed
9	1	22	7	5	71%
	2	20	8	5	63%
	3	32	6	5	83%
	4	13	5	4	80%
	5	17	6	5	83%
	6	17	5	4	80%
10	1	22	7	6	86%
	2	20	8	4	50%
	3	32	5	5	100%
	4	16	6	4	67%
	5	19	6	5	83%
	6	13	4	3	75%

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Table 238. Alignment Summary, Mathematics

Grade	Score Reporting Category (SRC)	Number of items in the SRC	Number of PI	Number of PI Assessed	% of PI Assessed
3	1	8	13	8	62%
	2/3	11	10	7	70%
	4/5	14	15	14	93%
	6	7	9	7	78%
4	1	14	11	11	100%
	2	9	6	6	100%
	3	11	6	6	100%
	4/5	21	15	14	93%
	6	14	10	8	80%
5	1	16	13	12	92%
	2	12	7	6	86%
	3	11	15	8	53%
	4/5	14	22	12	55%
	6	16	12	9	75%
6	1	12	8	8	100%
	2	10	6	5	83%
	3	11	9	7	78%
	4/5	16	17	12	71%
	6	11	8	5	63%
7	1/6	19	18	13	72%
	2	12	5	5	100%
	3	12	9	9	100%
	4/5	17	14	14	100%
8	1/6	15	10	8	80%
	2	15	6	6	100%
	3	12	9	8	89%
	4/5	17	11	9	82%
9	1/6	13	9	8	89%
	2	16	12	12	100%
	3	16	14	10	71%
	4/5	14	9	8	89%
10	1/6	14	10	8	80%
	2	17	14	10	71%
	3	16	22	12	55%
	4/5	13	17	8	47%

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Table 239. Alignment Summary, Science

Grade	Score Reporting Category (SRC)	Number of items in the SRC	Number of PI	Number of PI Assessed	% of PI Assessed
5	1/5	30	11	10	91%
	2	15	16	11	69%
	3	15	13	10	77%
	4	15	13	9	69%
8	1/5	33	22	15	68%
	2	17	27	14	52%
	3	16	24	13	54%
	4	17	24	13	54%
10	1/5	32	24	19	79%
	2	16	14	10	71%
	3	15	28	14	50%
	4	17	19	14	74%

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Table 240. Alignment Summary, Spanish Reading and Writing

Grade	Score Reporting Category (SRC)	Number of items in the SRC	Number of PI	Number of PI Assessed	% of PI Assessed
3	1	40	7	5	71%
	2	21	4	1	25%
	3	32	5	5	100%
4	1	31	8	6	75%
	2	19	5	4	80%
	3	34	5	4	80%
	4	14	5	5	100%
	5	13	6	3	50%
	6	12	4	3	75%

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Table 241. Items Flagged for DIF by Ethnicity Focal Group

Content Area	Grade	Item #	Item Type	Ethnicity Focal Group[1]																	
				Am. Indian/ AK Native			Asian			Black			Hispanic			Hawaiian/ Pacific Islander			Two or More Races		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
READING	3	37	CR				+	2063	0.102												
	4	18	CR	+	554	0.145															
	4	23	CR				+	1975	0.120							+	118	0.205			
	4	39	CR				+	1975	0.108												
	4	43	CR				+	1975	0.125												
	4	108	CR	+	554	0.145															
	4	113	MC				+	1975	0.120							+	118	0.205			
	5	8	CR				+	1902	0.110												
	5	24	CR				+	1902	0.107												
	5	101	MC				+	1902	0.110												
	6	17	CR				+	1805	0.126												
	6	45	CR				+	1805	0.133												
	6	112	CR				+	1805	0.126												
	7	19	CR				+	1828	0.112												
	7	24	CR				+	1828	0.188												
	7	111	MC				+	1828	0.112												
	8	10	CR				+	1795	0.113												
	8	15	CR				+	1795	0.112	+	2764	0.106									
	8	21	MC													*	131	-0.103			
	8	26	CR				+	1795	0.107												
	8	38	MC													*	131	-0.128			
	8	40	CR							+	2764	0.136									
	8	46	CR							+	2764	0.109									
	8	101	MC				+	1795	0.113												
	8	106	MC				+	1795	0.112	+	2764	0.106									
	8	112	MC													*	131	-0.103			
	9	5	CR							+	2986	0.136									
	9	8	MC													*	127	-0.113			

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

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Table 241. Items Flagged for DIF by Ethnicity Focal Group (cont'd)

Content Area	Grade	Item #	Item Type	Ethnicity Focal Group[1]																	
				Am. Indian/ AK Native			Asian			Black			Hispanic			Hawaiian/ Pacific Islander			Two or More Races		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
READING	9	11	MC													+	127	0.106			
	9	24	CR				+	1811	0.157												
	9	27	CR				+	1811	0.129												
	9	31	CR				+	1811	0.128							+	127	0.163			
	9	34	CR				+	1811	0.210				+	17487	0.107						
	9	44	CR				+	1811	0.128												
	9	93	CR							+	2986	0.136									
	9	96	CR													*	127	-0.113			
	9	99	MC													+	127	0.106			
	9	112	MC				+	1811	0.157												
	9	115	MC				+	1811	0.129												
	10	14	CR				+	1814	0.169				+	15869	0.128						
	10	27	CR				+	1814	0.116	+	2855	0.109									
	10	36	MC										*	15869	-0.105						
	10	41	CR				+	1814	0.167												
	10	101	CR				+	1814	0.169				+	15869	0.128						
	10	114	MC				+	1814	0.116	+	2855	0.109									
WRITING	4	73	MC				*	1970	-0.103												
	4	81	MC				*	1970	-0.154												
	4	93	CR				+	1970	0.108												
	5	2E	CR													+	143	0.131			
	5	2F	CR													+	143	0.114			
	5	65	CR													*	143	-0.160			
	6	2E	CR													*	137	-0.127			
	6	68	MC				*	1800	-0.106												
	7	59	MC				*	1821	-0.107												
	8	74	MC				*	1788	-0.113							*	131	-0.137			
	9	2D	CR				*	1805	-0.155							*	127	-0.145			

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

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Table 241. Items Flagged for DIF by Ethnicity Focal Group (cont'd)

Content Area	Grade	Item #	Item Type	Ethnicity Focal Group[1]																	
				Am. Indian/ AK Native			Asian			Black			Hispanic			Hawaiian/ Pacific Islander			Two or More Races		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
W	9	2E	CR													+	127	0.105			
R	9	3A	CR				+	1805	0.134												
I	9	3B	CR				+	1805	0.129							+	127	0.139			
T	9	72	MC				*	1805	-0.124												
I	9	91	CR				+	1805	0.156												
N	10	69	CR										+	15885	0.101						
G	10	90	CR				+	1811	0.132				+	15885	0.107						
	3	20	CR							*	2887	-0.116									
	4	13	MC													+	118	0.132			
	4	18	CR				*	1970	-0.140												
M	5	13	MC													*	142	-0.109			
A	5	17	CR							+	2983	0.105									
T	5	46	CR							*	2983	-0.155									
H	5	57	MC													*	142	-0.100			
E	5	64	CR							*	2983	-0.101									
M	6	15	CR				+	1812	0.101												
A	8	40	CR							*	2765	-0.141									
T	8	60	CR							+	2765	0.102									
I	9	7	CR	*	495	-0.101										+	127	0.192			
C	9	60	CR				+	1811	0.115	+	3003	0.121									
S	10	7	MC													*	133	-0.108			
	10	16	MC				*	1816	-0.105												
	10	49	CR				*	1816	-0.109												

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

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Table 241. Items Flagged for DIF by Ethnicity Focal Group (cont'd)

Content Area	Grade	Item #	Item Type	Ethnicity Focal Group[1]																	
				Am. Indian/ AK Native			Asian			Black			Hispanic			Hawaiian/ Pacific Islander			Two or More Races		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
SCIENCE	5	43	MC													+	143	0.111			
	5	57	CR													*	143	-0.108			
	8	22	CR				+	1794	0.175				+	17423	0.132						
	8	33	MC													*	131	-0.113			
	10	15	CR				*	1812	-0.101												
	10	22	CR				+	1812	0.241				+	15915	0.153						
	10	23	CR				+	1812	0.102	+	2857	0.113									
	10	27	CR													*	133	-0.103			
	10	39	CR				+	1812	0.155												

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

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Table 242. Items Flagged for DIF by Gender Focal Group

				Gender Focal Group[1]					
				Female			Male		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	7	24	CR	+	29192	0.142	*	30208	-0.149
	8	15	CR	+	28419	0.135	*	29601	-0.132
	8	106	MC	+	28419	0.135	*	29601	-0.132
	9	34	CR	+	28869	0.122	*	30008	-0.123
	10	7	CR	+	27559	0.115	*	28891	-0.112
	10	14	CR	+	27559	0.114			
	10	94	MC	+	27559	0.115	*	28891	-0.112
	10	101	CR	+	27559	0.114			
Writing	4	69	CR				*	31634	-0.103
	5	65	CR				*	31562	-0.105
	6	80	CR	+	29532	0.124	*	30779	-0.124
	7	72	CR	+	29181	0.114	*	30218	-0.109
	7	95	CR	+	29181	0.102	*	30218	-0.101
	8	72	CR	+	28390	0.109	*	29595	-0.108
	8	94	CR	+	28390	0.106			
	9	65	CR	+	28871	0.102			
	9	91	CR	+	28871	0.113	*	30027	-0.104
	10	69	CR	+	27539	0.122	*	28882	-0.114
Science	8	22	CR	+	28386	0.142	*	29566	-0.111
	8	44	CR	+	28386	0.106			
	10	22	CR	+	27590	0.108			

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

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Table 243. Items Flagged for DIF by Accommodations Focal Group

				Accommodations Focal Group[1]														
				Extended Timing			Oral Script			Scribe			Teacher Read Directions			Other[2]		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
	3	9	MC							*	121	-0.109						
	3	13	CR							+	121	0.247						
	3	15	MC							+	121	0.145						
	3	23	CR							+	121	0.178						
	4	5	CR							*	141	-0.172						
	4	32	MC													*	52	-0.155
	4	41	CR							+	141	0.127						
	4	48	MC													*	52	-0.138
	4	50	CR							+	141	0.118				*	52	-0.152
	4	95	MC							*	141	-0.172						
	5	4	MC							*	164	-0.111						
	5	31	CR	+	6292	0.115												
	5	51	CR	+	6292	0.109												
Reading	5	53	MC							+	164	0.134						
	5	97	CR							*	164	-0.111						
	6	26	MC							+	105	0.117						
	6	34	CR	+	5511	0.119												
	7	18	CR							+	97	0.201						
	7	28	MC							*	97	-0.127						
	7	44	MC							+	97	0.133						
	7	110	MC							+	97	0.201						
	9	5	CR							*	58	-0.247						
	9	24	CR							*	58	-0.230						
	9	28	MC							+	58	0.144						
	9	34	CR	+	2577	0.110							+	778	0.106			
	9	93	CR							*	58	-0.247						
	9	112	MC							*	58	-0.230						

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2. Other includes use of manipulatives, signing, assistive comm. device, appr. nonstandard accomm., translated oral script, word-to-word dictionary, Braille version, and large-print version.

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Table 243. Items Flagged for DIF by Accommodations Focal Group (cont'd)

				Accommodations Focal Group[1]														
				Extended Timing			Oral Script			Scribe			Teacher Read Directions			Other[2]		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	10	14	CR	+	2137	0.136												
	10	37	CR	+	2137	0.114							+	559	0.152			
	10	101	CR	+	2137	0.136												
Writing	3	1A	CR							*	130	-0.145						
	3	1D	CR							*	130	-0.108						
	3	1E	CR							*	130	-0.147						
	3	2	MC													*	84	-0.222
	3	7	MC													*	84	-0.227
	3	9	MC													*	84	-0.177
	3	10D	CR							+	130	0.175						
	3	19	MC				+	6665	0.117	+	130	0.119						
	3	20	MC				+	6665	0.103									
	3	27D	CR							+	130	0.200						
	3	39A	CR							+	130	0.157						
	3	39C	CR													+	84	0.132
	3	39D	CR							+	130	0.156						
	4	3C	CR							+	148	0.154						
	4	53	MC							*	148	-0.104						
	4	58	MC							+	148	0.103						
	4	62	MC													*	77	-0.168
	4	71	MC				+	6132	0.103									
	4	72	MC				+	6132	0.107									
	4	87	MC							*	148	-0.114						
	4	88	MC				+	6132	0.148									
	4	93	CR							+	148	0.252						
	5	2C	CR													*	116	-0.138
	5	2F	CR				*	5376	-0.142							*	116	-0.137

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2. Other includes use of manipulatives, signing, assistive comm. device, appr. nonstandard accomm., translated oral script, word-to-word dictionary, Braille version, and large-print version.

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Table 243. Items Flagged for DIF by Accommodations Focal Group (cont'd)

				Accommodations Focal Group[1]													
				Extended Timing			Oral Script			Scribe			Teacher Read Directions			Other[2]		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
	5	3B	CR				*	5376	-0.100									
	5	3C	CR							+	152	0.164						
	5	56	MC													*	116	-0.155
	5	57	MC													+	116	0.389
	5	65	CR													*	116	-0.225
	5	68	MC				+	5376	0.110							+	116	0.107
	5	71	MC													+	116	0.225
	5	75	MC													+	116	0.107
	5	76	MC													*	116	-0.154
	5	77	MC													+	116	0.123
	5	80	MC													+	116	0.122
	5	83	MC				+	5376	0.112									
	5	88	MC													*	116	-0.167
Writing	5	89	MC				+	5376	0.105							+	116	0.165
	5	95	MC				+	5376	0.114							+	116	0.172
	6	2D	CR				*	3386	-0.104	*	103	-0.192				+	202	0.114
	6	2E	CR													*	202	-0.105
	6	3B	CR				*	3386	-0.109									
	6	3C	CR				*	3386	-0.102									
	6	58	MC													*	202	-0.133
	6	60	MC							+	103	0.110						
	6	66	MC													*	202	-0.125
	6	75	MC													+	202	0.145
	6	77	MC							+	103	0.126						
	6	86	MC				+	3386	0.108									
	6	92	MC				+	3386	0.121									
	6	98	CR	+	3799	0.106	+	3386	0.111				+	1291	0.156			

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Table 243. Items Flagged for DIF by Accommodations Focal Group (cont'd)

Content Area	Grade	Item #	Item Type	Accommodations Focal Group[1]														
				Extended Timing			Oral Script			Scribe			Teacher Read Directions			Other[2]		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
	7	2B	CR				*	2556	-0.101							*	155	-0.177
	7	2E	CR				*	2556	-0.105							*	155	-0.157
	7	3A	CR													+	155	0.228
	7	54	MC													*	155	-0.113
	7	58	MC													*	155	-0.139
	7	60	MC				+	2556	0.111									
	7	72	CR										+	1161	0.106			
	7	83	MC													+	155	0.131
	7	85	MC													+	155	0.111
	7	89	MC													+	155	0.127
	7	91	MC													*	155	-0.202
	7	92	MC													*	155	-0.165
	7	93	MC				+	2556	0.107									
Writing	7	95	CR	+	3249	0.145	+	2556	0.118				+	1161	0.202	+	155	0.310
	8	2C	CR				*	1993	-0.119									
	8	54	MC							+	97	0.120						
	8	63	MC							*	97	-0.189						
	8	72	CR	+	3114	0.127							+	954	0.123			
	8	77	MC													*	127	-0.216
	8	81	MC													+	127	0.132
	8	83	MC													+	127	0.138
	8	89	MC							*	97	-0.187						
	8	90	MC													*	127	-0.111
	8	94	CR	+	3114	0.158	+	1993	0.154				+	954	0.162	+	127	0.278
	9	1	CR							*	60	-0.105						
	9	2A	CR													+	302	0.189
	9	2C	CR				*	994	-0.148	*	60	-0.174						

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Table 243. Items Flagged for DIF by Accommodations Focal Group (cont'd)

Content Area	Grade	Item #	Item Type	Accommodations Focal Group[1]														
				Extended Timing			Oral Script			Scribe			Teacher Read Directions			Other[2]		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	9	2E	CR				*	994	-0.106									
	9	3B	CR				*	994	-0.124									
	9	51	MC													*	302	-0.220
	9	55	MC													+	302	0.111
	9	57	MC													*	302	-0.161
	9	67	MC				+	994	0.111									
	9	77	MC				+	994	0.114									
	9	84	MC				+	994	0.113									
	9	89	MC													+	302	0.101
	9	91	CR	+	2006	0.138										+	302	0.239
	10	2A	CR													*	267	-0.102
	10	2B	CR													*	267	-0.131
	10	2E	CR													+	267	0.114
	10	2F	CR				*	756	-0.140							*	267	-0.261
	10	3A	CR							*	66	-0.160						
	10	3B	CR				*	756	-0.105									
	10	3C	CR				*	756	-0.139									
	10	52	MC										*	337	-0.109			
	10	59	MC							+	66	0.134						
	10	64	MC													+	267	0.133
	10	69	CR							*	66	-0.202						
	10	72	MC													*	267	-0.173
	10	74	MC				+	756	0.131									
	10	75	MC				+	756	0.127									
	10	77	MC										*	337	-0.100			
	10	88	MC				+	756	0.112									
	10	90	CR	+	1594	0.138							+	337	0.145			
	10	116	CR													+	267	0.133

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2. Other includes use of manipulatives, signing, assistive comm. device, appr. nonstandard accomm., translated oral script, word-to-word dictionary, Braille version, and large-print version.

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Table 243. Items Flagged for DIF by Accommodations Focal Group (cont'd)

				Accommodations Focal Group[1]														
				Extended Timing			Oral Script			Scribe			Teacher Read Directions			Other[2]		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
	3	10	CR				*	7044	-0.105									
	3	15	CR				+	7044	0.155							+	572	0.162
	3	16	MC							*	104	-0.108						
	3	23	CR				+	7044	0.175									
	3	30	CR													+	572	0.109
	3	31	MC							+	104	0.101						
	3	40	CR							+	104	0.194						
	4	3	MC													*	162	-0.102
	4	7	MC													*	162	-0.125
	4	16	MC							*	122	-0.142						
	4	22	MC							+	122	0.139						
	4	23	CR							+	122	0.240				+	162	0.204
	4	24	MC													*	162	-0.108
Mathematics	4	27	CR				+	6716	0.200							+	162	0.185
	4	33	MC													+	162	0.100
	4	39	MC													+	162	0.103
	4	40	MC													*	162	-0.133
	4	41	CR										+	1261	0.106			
	4	44	MC													*	162	-0.162
	4	46	CR	*	2536	-0.100	*	6716	-0.204	*	122	-0.348				*	162	-0.588
	4	52	CR													*	162	-0.145
	4	54	MC							*	122	-0.105				*	162	-0.139
	4	56	CR				*	6716	-0.132	+	122	0.242						
	4	58	MC							*	122	-0.103						
	4	67	MC													+	162	0.129
	4	69	CR				+	6716	0.140							+	162	0.267
	5	5	MC													*	127	-0.128

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2. Other includes use of manipulatives, signing, assistive comm. device, appr. nonstandard accomm., translated oral script, word-to-word dictionary, Braille version, and large-print version.

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Table 243. Items Flagged for DIF by Accommodations Focal Group (cont'd)

				Accommodations Focal Group[1]														
				Extended Timing			Oral Script			Scribe			Teacher Read Directions			Other[2]		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
	5	8	MC													+	127	0.103
	5	15	CR				*	5744	-0.114									
	5	22	MC													*	127	-0.173
	5	23	CR				*	5744	-0.158									
	5	24	MC							+	149	0.119						
	5	26	MC													+	127	0.108
	5	30	MC													*	127	-0.134
	5	42	MC													+	127	0.148
	5	44	MC													+	127	0.141
	5	46	CR													+	127	0.273
	5	49	MC													+	127	0.170
	5	50	CR							+	149	0.176						
	5	53	MC													+	127	0.129
Mathematics	5	55	CR				*	5744	-0.121									
	5	57	MC							+	149	0.152						
	5	67	MC													*	127	-0.111
	6	5	MC													+	199	0.120
	6	9	MC													*	199	-0.131
	6	10	CR				*	3589	-0.138							*	199	-0.241
	6	15	CR							+	92	0.171						
	6	17	MC													+	199	0.134
	6	21	MC							*	92	-0.114						
	6	24	MC							+	92	0.114						
	6	33	CR				*	3589	-0.102	*	92	-0.259				+	199	0.236
	6	35	MC													+	199	0.114
	6	39	MC													+	199	0.127
	6	42	MC													+	199	0.124

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Table 243. Items Flagged for DIF by Accommodations Focal Group (cont'd)

				Accommodations Focal Group[1]													
				Extended Timing			Oral Script			Scribe			Teacher Read Directions			Other[2]		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
	6	44	CR													*	199	-0.187
	6	59	MC				+	3589	0.101							+	199	0.130
	7	5	MC													*	168	-0.106
	7	13	MC													*	168	-0.109
	7	20	CR				+	2748	0.109									
	7	34	CR													*	168	-0.166
	7	36	MC				+	2748	0.105							+	168	0.110
	7	37	MC													+	168	0.114
	7	39	MC													+	168	0.131
	7	42	MC										*	1085	-0.104	*	168	-0.118
	7	43	CR							*	78	-0.200						
	7	47	CR										+	1085	0.113	+	168	0.281
	7	50	MC													+	168	0.160
Mathematics	7	55	MC													*	168	-0.124
	7	60	CR				*	2748	-0.102							*	168	-0.162
	8	3	CR				*	2118	-0.138									
	8	17	MC													*	155	-0.118
	8	20	CR													+	155	0.138
	8	28	CR													*	155	-0.131
	8	36	MC													*	155	-0.113
	8	40	CR													+	155	0.208
	8	53	MC													*	155	-0.130
	8	54	CR				*	2118	-0.103									
	8	60	CR				+	2118	0.130				+	978	0.104			
	9	10	CR													*	258	-0.107
	9	11	MC													+	258	0.109
	9	16	MC													*	258	-0.120

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

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Table 243. Items Flagged for DIF by Accommodations Focal Group (cont'd)

Content Area	Grade	Item #	Item Type	Accommodations Focal Group[1]														
				Extended Timing			Oral Script			Scribe			Teacher Read Directions			Other[2]		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Mathematics	9	20	CR				*	1099	-0.163				*	531	-0.138	*	258	-0.210
	9	34	CR													*	258	-0.142
	9	53	CR				*	1099	-0.123				*	531	-0.129	*	258	-0.136
	9	60	CR	+	1914	0.116	+	1099	0.245				+	531	0.207	+	258	0.278
	10	15	MC				*	838	-0.110									
	10	20	CR													+	271	0.132
	10	28	CR													*	271	-0.114
	10	49	CR													*	271	-0.168
	10	51	MC							*	54	-0.169						
	10	52	MC							+	54	0.175						
	10	58	MC													+	271	0.101
	10	60	CR													+	271	0.144
Science	5	3	MC													*	127	-0.115
	5	12	MC							*	160	-0.128						
	5	34	CR													*	127	-0.141
	5	52	MC													+	127	0.113
	5	53	MC							*	160	-0.101						
	5	54	CR				*	5652	-0.211	*	160	-0.159				*	127	-0.226
	5	57	CR				*	5652	-0.146							*	127	-0.187
	5	58	MC													*	127	-0.184
	5	62	MC				+	5652	0.136							+	127	0.227
	5	68	CR							+	160	0.184						
	5	70	MC													+	127	0.136
	5	71	MC													+	127	0.171
	5	73	CR													+	127	0.130
	8	4	MC													+	158	0.106
	8	7	MC													*	158	-0.115

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

2. Other includes use of manipulatives, signing, assistive comm. device, appr. nonstandard accomm., translated oral script, word-to-word dictionary, Braille version, and large-print version.

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Table 243. Items Flagged for DIF by Accommodations Focal Group (cont'd)

				Accommodations Focal Group[1]													
				Extended Timing			Oral Script			Scribe			Teacher Read Directions			Other[2]		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
	8	15	MC													+	158	0.124
	8	22	CR							*	76	-0.323				+	158	0.332
	8	27	MC													*	158	-0.182
	8	31	CR													*	158	-0.126
	8	38	MC													+	158	0.161
	8	44	CR										*	911	-0.107	*	158	-0.181
	8	49	MC													+	158	0.127
	8	53	MC													*	158	-0.122
	8	56	MC				*	2127	-0.105									
Science	8	57	CR				*	2127	-0.127							*	158	-0.223
	8	60	MC													+	158	0.145
	8	64	CR													+	158	0.114
	8	76	CR													+	158	0.164
	8	82	MC							*	76	-0.125						
	10	9	CR													*	263	-0.116
	10	15	CR													*	263	-0.109
	10	22	CR	*	1376	-0.174	*	833	-0.265	*	55	-0.556	*	345	-0.278			
	10	23	CR										*	345	-0.125			
	10	67	MC							*	55	-0.199						

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

2. Other includes use of manipulatives, signing, assistive comm. device, appr. nonstandard accomm., translated oral script, word-to-word dictionary, Braille version, and large-print version.

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Table 244. Items Flagged for DIF by Primary Disability State

				Primary Disability State Focal Group[1]														
				Emotional			Specific Learning Disability			Physical			Speech/Language			Other[2]		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
	3	13	CR	*	341	-0.211				*	571	-0.149				*	401	-0.171
	3	16	CR	*	341	-0.149				*	571	-0.101						
	3	23	CR	*	341	-0.157				*	571	-0.117						
	3	31	CR	*	341	-0.218				*	571	-0.191				*	401	-0.173
	3	37	CR	*	341	-0.156				*	571	-0.107						
	4	5	CR													*	398	-0.124
	4	20	CR	*	396	-0.223				*	674	-0.128						
	4	23	CR	*	396	-0.209				*	674	-0.125						
	4	30	CR	*	396	-0.127												
	4	33	CR	*	396	-0.163				*	674	-0.116						
	4	43	CR	*	396	-0.168				*	674	-0.117				*	398	-0.121
	4	95	MC													*	398	-0.124
	4	110	MC	*	396	-0.223				*	674	-0.128						
Reading	4	113	MC	*	396	-0.209				*	674	-0.125						
	5	8	CR	*	473	-0.114										*	414	-0.100
	5	14	CR							*	769	-0.130						
	5	24	CR	*	473	-0.182				*	769	-0.106				*	414	-0.134
	5	27	CR	*	473	-0.103	*	3320	-0.101									
	5	29	CR							+	769	0.124				+	414	0.158
	5	31	CR	*	473	-0.209				*	769	-0.148				*	414	-0.205
	5	51	CR	*	473	-0.125												
	5	101	MC	*	473	-0.114										*	414	-0.100
	5	107	MC							*	769	-0.130						
	6	11	CR	*	445	-0.212				*	732	-0.188						
	6	17	CR	*	445	-0.242				*	732	-0.170						
	6	18	CR	*	445	-0.183				*	732	-0.160						
	6	24	CR	*	445	-0.142												

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

2. Other includes limited intellectual capacity, hearing disability, visual disability, deaf-blind, multiple disabilities, autism, and traumatic brain injury.

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Table 244. Items Flagged for DIF by Primary Disability State (cont'd)

				Primary Disability State Focal Group[1]														
				Emotional			Specific Learning Disability			Physical			Speech/Language			Other[2]		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
	6	34	CR	*	445	-0.278				*	732	-0.154				*	405	-0.288
	6	39	CR	*	445	-0.131												
	6	45	CR	*	445	-0.100												
	6	54	MC							+	732	0.101						
	6	106	MC	*	445	-0.212				*	732	-0.188						
	6	112	CR	*	445	-0.242				*	732	-0.170						
	6	113	MC	*	445	-0.183				*	732	-0.160						
	7	4	CR	*	540	-0.227				*	792	-0.142				*	414	-0.116
	7	13	CR	*	540	-0.103										*	414	-0.113
	7	18	CR	*	540	-0.175										*	414	-0.135
	7	19	CR	*	540	-0.113				*	792	-0.113						
	7	24	CR	*	540	-0.205				*	792	-0.184				*	414	-0.163
	7	35	CR													*	414	-0.107
Reading	7	96	MC	*	540	-0.227				*	792	-0.142				*	414	-0.116
	7	105	MC	*	540	-0.103										*	414	-0.113
	7	110	MC	*	540	-0.175										*	414	-0.135
	7	111	MC	*	540	-0.113				*	792	-0.113						
	8	6	CR													*	373	-0.167
	8	10	CR	*	555	-0.175				*	773	-0.118						
	8	15	CR	*	555	-0.177				*	773	-0.111						
	8	27	CR	*	555	-0.132												
	8	40	CR	*	555	-0.147				*	773	-0.101						
	8	97	MC													*	373	-0.167
	8	101	MC	*	555	-0.175				*	773	-0.118						
	8	106	MC	*	555	-0.177				*	773	-0.111						
	9	5	CR	*	604	-0.158				*	770	-0.137				*	371	-0.204
	9	18	CR	*	604	-0.147												

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2. Other includes limited intellectual capacity, hearing disability, visual disability, deaf-blind, multiple disabilities, autism, and traumatic brain injury.

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Table 244. Items Flagged for DIF by Primary Disability State (cont'd)

				Primary Disability State Focal Group[1]														
				Emotional			Specific Learning Disability			Physical			Speech/Language			Other[2]		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	9	24	CR	*	604	-0.108												
	9	27	CR										+	282	0.139			
	9	31	CR	*	604	-0.102												
	9	34	CR	*	604	-0.168				*	770	-0.113						
	9	44	CR	*	604	-0.130												
	9	93	CR	*	604	-0.158				*	770	-0.137				*	371	-0.204
	9	106	MC	*	604	-0.147												
	9	112	MC	*	604	-0.108												
	9	115	MC										+	282	0.139			
	10	12	CR	*	592	-0.140												
	10	13	MC	+	592	0.156				+	713	0.126						
	10	14	CR	*	592	-0.245												
	10	19	CR	*	592	-0.184												
	10	35	MC	+	592	0.112												
	10	36	MC	+	592	0.112												
	10	41	CR	*	592	-0.173												
	10	99	MC	*	592	-0.140												
	10	100	MC	+	592	0.156				+	713	0.126						
	10	101	CR	*	592	-0.245												
	10	106	MC	*	592	-0.184												
Writing	3	2	MC	+	346	0.104												
	3	7	MC	+	346	0.126												
	3	10A	CR	*	346	-0.118												
	3	10C	CR	*	346	-0.112												
	3	20	MC				+	2451	0.107									
	3	27A	CR	*	346	-0.133												
	3	27C	CR	*	346	-0.143												

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2. Other includes limited intellectual capacity, hearing disability, visual disability, deaf-blind, multiple disabilities, autism, and traumatic brain injury.

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Table 244. Items Flagged for DIF by Primary Disability State (cont'd)

				Primary Disability State Focal Group[1]													
				Emotional			Specific Learning Disability			Physical			Speech/Language			Other[2]		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
	3	27D	CR				*	2451	-0.110									
	3	38	MC	+	346	0.113												
	3	39A	CR	*	346	-0.105												
	3	39C	CR	*	346	-0.105												
	4	3A	CR	*	397	-0.162				*	681	-0.124						
	4	3B	CR	*	397	-0.165	*	3106	-0.114	*	681	-0.193						
	4	3C	CR				*	3106	-0.129	*	681	-0.121						
	4	52	MC	+	397	0.143												
	4	54	MC							+	681	0.105						
	4	69	CR	*	397	-0.325				*	681	-0.235				*	403	-0.157
	4	82	MC													*	403	-0.111
	4	83	MC	+	397	0.104												
	4	88	MC				+	3106	0.115									
Writing	4	93	CR	*	397	-0.166				*	681	-0.112						
	5	2F	CR				*	3327	-0.180									
	5	3A	CR	*	475	-0.113												
	5	3B	CR	*	475	-0.163				*	771	-0.107				*	419	-0.147
	5	55	MC													+	419	0.123
	5	65	CR	*	475	-0.347				*	771	-0.189				*	419	-0.253
	5	68	MC				+	3327	0.106									
	5	96	CR	*	475	-0.203				*	771	-0.104				*	419	-0.171
	6	2D	CR				*	3475	-0.140									
	6	3A	CR	*	450	-0.156										*	404	-0.138
	6	3B	CR	*	450	-0.173										*	404	-0.183
	6	79	MC	+	450	0.101												
	6	80	CR	*	450	-0.284				*	736	-0.171				*	404	-0.124
	6	98	CR	*	450	-0.181	+	3475	0.132									

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2. Other includes limited intellectual capacity, hearing disability, visual disability, deaf-blind, multiple disabilities, autism, and traumatic brain injury.

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Table 244. Items Flagged for DIF by Primary Disability State (cont'd)

Content Area	Grade	Item #	Item Type	Primary Disability State Focal Group[1]														
				Emotional			Specific Learning Disability			Physical			Speech/Language			Other[2]		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	7	3A	CR	*	547	-0.213				*	791	-0.140				*	414	-0.144
	7	3B	CR	*	547	-0.220				*	791	-0.144				*	414	-0.168
	7	72	CR	*	547	-0.222				*	791	-0.131				*	414	-0.113
	7	90	MC	+	547	0.106												
	7	92	MC							+	791	0.100						
	7	95	CR	*	547	-0.243	+	3253	0.112									
	8	3A	CR	*	558	-0.202				*	773	-0.104				*	372	-0.203
	8	3B	CR	*	558	-0.214				*	773	-0.116				*	372	-0.151
	8	72	CR	*	558	-0.266				*	773	-0.126	+	376	0.117	*	372	-0.106
	8	94	CR	*	558	-0.246	+	3023	0.142				+	376	0.126			
	9	2C	CR				*	2812	-0.116				*	281	-0.132			
	9	2E	CR				*	2812	-0.107									
	9	3A	CR	*	610	-0.117										*	373	-0.114
	9	3B	CR	*	610	-0.146				*	773	-0.130				*	373	-0.137
	9	51	MC										*	281	-0.136			
	9	65	CR	*	610	-0.233										*	373	-0.144
	9	91	CR	*	610	-0.218	+	2812	0.142	*	773	-0.109	+	281	0.170	*	373	-0.142
	10	3A	CR	*	590	-0.100										*	342	-0.189
	10	3B	CR	*	590	-0.128				*	715	-0.106				*	342	-0.152
	10	3C	CR	*	590	-0.104												
	10	69	CR	*	590	-0.248				*	715	-0.117	+	199	0.192	*	342	-0.140
	10	90	CR	*	590	-0.269	+	2571	0.120	*	715	-0.110	+	199	0.234			
Mathematics	3	10	CR				*	2516	-0.109	*	573	-0.110						
	3	23	CR	+	353	0.101	+	2516	0.186	+	573	0.159						
	4	23	CR	+	406	0.111												
	4	27	CR	+	406	0.111	+	3111	0.156									
	4	35	CR	*	406	-0.122												

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

2. Other includes limited intellectual capacity, hearing disability, visual disability, deaf-blind, multiple disabilities, autism, and traumatic brain injury.

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Table 244. Items Flagged for DIF by Primary Disability State (cont'd)

				Primary Disability State Focal Group[1]													
				Emotional			Specific Learning Disability			Physical			Speech/Language			Other[2]		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
	4	37	CR													+	409	0.169
	4	46	CR				*	3111	-0.260	*	684	-0.196						
	4	56	CR	*	406	-0.137	*	3111	-0.116	*	684	-0.115	*	1367	-0.136			
	5	3	CR													*	429	-0.133
	5	15	CR				*	3339	-0.110							*	429	-0.109
	5	17	CR													+	429	0.113
	5	23	CR				*	3339	-0.176									
	5	24	MC	+	480	0.111												
	5	31	CR	*	480	-0.122	*	3339	-0.122	*	769	-0.135						
	5	46	CR													+	429	0.148
	5	53	MC				+	3339	0.102							+	429	0.105
	5	55	CR	*	480	-0.124							*	1001	-0.159	*	429	-0.135
	5	60	CR													*	429	-0.113
Mathematics	5	69	CR	*	480	-0.123												
	6	10	CR										*	759	-0.108	*	404	-0.107
	6	15	CR										+	759	0.129	+	404	0.166
	6	20	CR	+	453	0.118										+	404	0.243
	6	33	CR				*	3480	-0.122	*	736	-0.138				*	404	-0.190
	6	39	MC	*	453	-0.110												
	6	44	CR													*	404	-0.127
	6	47	CR	+	453	0.103												
	6	58	CR	*	453	-0.139												
	7	20	CR													+	416	0.108
	7	22	MC										*	504	-0.101			
	7	36	MC				+	3267	0.102							+	416	0.103
	7	56	CR	*	551	-0.263				*	790	-0.141	*	504	-0.101	*	416	-0.203
	7	60	CR	*	551	-0.200				*	790	-0.111				*	416	-0.162

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

2. Other includes limited intellectual capacity, hearing disability, visual disability, deaf-blind, multiple disabilities, autism, and traumatic brain injury.

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Table 244. Items Flagged for DIF by Primary Disability State (cont'd)

				Primary Disability State Focal Group[1]													
				Emotional			Specific Learning Disability			Physical			Speech/Language			Other[2]		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Mathematics	8	3	CR				*	3032	-0.102									
	8	35	CR	*	563	-0.103										*	368	-0.125
	8	45	CR	+	563	0.122												
	8	48	CR							+	770	0.121						
	8	54	CR	*	563	-0.204	*	3032	-0.101	*	770	-0.115						
	8	58	MC	+	563	0.107												
	8	60	CR													+	368	0.165
	9	20	CR	*	612	-0.160							*	282	-0.116	*	368	-0.137
	9	23	CR	+	612	0.163												
	9	34	CR													*	368	-0.106
	9	53	CR	*	612	-0.156				*	776	-0.118	*	282	-0.114	*	368	-0.107
	9	60	CR				+	2812	0.156				+	282	0.264			
	10	27	MC										+	202	0.112			
	10	30	MC	+	603	0.107												
	10	49	CR										*	202	-0.172	*	342	-0.113
	10	60	CR	*	603	-0.121												
Science	5	8	MC													+	419	0.113
	5	12	MC	*	482	-0.122												
	5	15	MC	+	482	0.105												
	5	23	CR													*	419	-0.116
	5	54	CR	*	482	-0.150	*	3333	-0.206	*	772	-0.186	*	1003	-0.177	*	419	-0.109
	5	57	CR	*	482	-0.189	*	3333	-0.148	*	772	-0.180				*	419	-0.127
	5	62	MC				+	3333	0.108									
	5	64	MC													+	419	0.103
	8	14	CR	+	559	0.102				+	769	0.100						
	8	22	CR	*	559	-0.500	*	3009	-0.195	*	769	-0.352				*	369	-0.294
	8	44	CR							*	769	-0.104				*	369	-0.192

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring
2. Other includes limited intellectual capacity, hearing disability, visual disability, deaf-blind, multiple disabilities, autism, and traumatic brain injury.

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Table 244. Items Flagged for DIF by Primary Disability State (cont'd)

				Primary Disability State Focal Group[1]														
				Emotional			Specific Learning Disability			Physical			Speech/Language			Other[2]		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
	8	47	CR	*	559	-0.159	*	3009	-0.105	*	769	-0.141						
	8	57	CR										*	378	-0.106	*	369	-0.196
	10	15	CR	+	601	0.124												
Science	10	22	CR	*	601	-0.548	*	2596	-0.217	*	707	-0.383				*	345	-0.398
	10	24	CR	*	601	-0.103				*	707	-0.128						
	10	58	CR	*	601	-0.110												
	10	67	MC										+	203	0.122			

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

2. Other includes limited intellectual capacity, hearing disability, visual disability, deaf-blind, multiple disabilities, autism, and traumatic brain injury.

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Table 245. Items Flagged for DIF by Enrollment Focal Group

Content Area	Grade	Item #	Item Type	Enrollment Focal Group[1]								
				Cont. Enroll. 1 Year in School			Cont. Enroll. 1 Year in District			Cont. Enroll. 3 Years in Colorado		
				No			No			No		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	9	91	CR							*	9902	-0.107
Mathematics	7	60	CR				*	7354	-0.123			
Science	8	22	CR				*	6999	-0.148			
	10	22	CR	*	10628	-0.163	*	7184	-0.197	*	9252	-0.198

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

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Table 246. Items Flagged for DIF by Language Proficiency Focal Group

				Language Proficiency Focal Group[1]														
				Bilingual			ESL			FEP			LEP			NEP		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	3	3	MC	*	506	-0.131												
	3	16	CR	+	506	0.169	+	10755	0.107				+	7599	0.144			
	3	20	CR	+	506	0.108												
	3	37	CR	+	506	0.137				+	1528	0.108	+	7599	0.106			
	4	12	MC	*	846	-0.115												
	4	20	CR	+	846	0.211				+	2573	0.109	+	7529	0.105			
	4	23	CR	+	846	0.228	+	11213	0.126	+	2573	0.111	+	7529	0.161			
	4	33	CR	+	846	0.144												
	4	43	CR	+	846	0.152	+	11213	0.127	+	2573	0.117	+	7529	0.153			
	4	102	MC	*	846	-0.115												
	4	110	MC	+	846	0.211				+	2573	0.109	+	7529	0.105			
	4	113	MC	+	846	0.228	+	11213	0.126	+	2573	0.111	+	7529	0.161			
	5	20	MC	*	613	-0.101												
	5	24	CR				+	10990	0.126				+	6795	0.163			
	5	27	CR	+	613	0.158												
	5	31	CR	+	613	0.276	+	10990	0.123	+	3480	0.129	+	6795	0.167			
	5	32	MC							*	3480	-0.106						
	5	43	CR													+	1295	0.140
	5	52	MC							*	3480	-0.116						
	5	113	CR	*	613	-0.101												
	6	11	CR										+	5293	0.107			
	6	13	MC	*	386	-0.133	*	10225	-0.101	*	4402	-0.130						
	6	17	CR	+	386	0.179	+	10225	0.148	+	4402	0.137	+	5293	0.159	+	893	0.154
	6	18	CR	+	386	0.183				+	4402	0.125						
	6	33	MC													*	893	-0.108
	6	34	CR	+	386	0.164	+	10225	0.152	+	4402	0.167	+	5293	0.173			
	6	35	MC							*	4402	-0.118						
	6	45	CR	+	386	0.112				+	4402	0.116						
	6	47	MC	*	386	-0.112				*	4402	-0.144						
	6	106	MC										+	5293	0.107			

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Table 246. Items Flagged for DIF by Language Proficiency Focal Group (cont'd)

				Language Proficiency Focal Group[1]														
				Bilingual			ESL			FEP			LEP			NEP		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	6	108	MC	*	386	-0.133	*	10225	-0.101	*	4402	-0.130						
	6	112	CR	+	386	0.179	+	10225	0.148	+	4402	0.137	+	5293	0.159	+	893	0.154
	6	113	MC	+	386	0.183				+	4402	0.125						
	7	4	CR	+	288	0.181	+	9947	0.129				+	4651	0.188			
	7	8	MC	*	288	-0.163	*	9947	-0.120	*	4836	-0.145	*	4651	-0.110			
	7	12	CR										*	4651	-0.105	+	724	0.119
	7	13	CR													*	724	-0.276
	7	18	CR													*	724	-0.144
	7	19	CR							+	4836	0.125						
	7	24	CR				+	9947	0.159	+	4836	0.213	+	4651	0.116			
	7	35	CR													*	724	-0.136
	7	42	MC							*	4836	-0.117						
	7	47	CR										+	4651	0.100	+	724	0.156
	7	51	MC	+	288	0.105												
	7	96	MC	+	288	0.181	+	9947	0.129				+	4651	0.188			
	7	100	MC	*	288	-0.163	*	9947	-0.120	*	4836	-0.145	*	4651	-0.110			
	7	104	MC										*	4651	-0.105	+	724	0.119
	7	105	MC													*	724	-0.276
	7	110	MC													*	724	-0.144
	7	111	MC							+	4836	0.125						
	8	4	MC	*	305	-0.162										*	640	-0.194
	8	9	MC										*	3631	-0.101			
	8	10	CR				+	9292	0.130	+	5303	0.109	+	3631	0.154	+	640	0.146
	8	11	MC	*	305	-0.215	*	9292	-0.169	*	5303	-0.181	*	3631	-0.171			
	8	14	MC							*	5303	-0.107						
	8	15	CR	+	305	0.186	+	9292	0.177	+	5303	0.160	+	3631	0.202	+	640	0.182
	8	16	MC	*	305	-0.102							*	3631	-0.143			
	8	17	MC	+	305	0.102												
	8	26	CR													+	640	0.117
	8	28	MC										*	3631	-0.110	*	640	-0.130

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Table 246. Items Flagged for DIF by Language Proficiency Focal Group (cont'd)

				Language Proficiency Focal Group[1]														
				Bilingual			ESL			FEP			LEP			NEP		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	8	31	MC							*	5303	-0.101						
	8	40	CR				+	9292	0.107	+	5303	0.183				*	640	-0.295
	8	41	MC													*	640	-0.111
	8	46	CR										+	3631	0.139	+	640	0.351
	8	47	CR	+	305	0.126												
	8	49	MC													+	640	0.107
	8	95	CR	*	305	-0.162										*	640	-0.194
	8	100	MC										*	3631	-0.101			
	8	101	MC				+	9292	0.130	+	5303	0.109	+	3631	0.154	+	640	0.146
	8	102	MC	*	305	-0.215	*	9292	-0.169	*	5303	-0.181	*	3631	-0.171			
	8	105	MC							*	5303	-0.107						
	8	106	MC	+	305	0.186	+	9292	0.177	+	5303	0.160	+	3631	0.202	+	640	0.182
	8	107	MC	*	305	-0.102							*	3631	-0.143			
	8	108	MC	+	305	0.102												
	9	5	CR				+	8988	0.117	+	5077	0.222				*	835	-0.430
	9	6	MC													*	835	-0.124
	9	7	MC													*	835	-0.104
	9	24	CR	+	217	0.245	+	8988	0.147	+	5077	0.142	+	3268	0.159	+	835	0.158
	9	25	MC	*	217	-0.112				*	5077	-0.100						
	9	27	CR										+	3268	0.111			
	9	31	CR				+	8988	0.125	+	5077	0.104	+	3268	0.143	+	835	0.181
	9	34	CR	+	217	0.215	+	8988	0.229	+	5077	0.190	+	3268	0.275	+	835	0.282
	9	36	MC													+	835	0.116
	9	38	CR	+	217	0.229	+	8988	0.102				+	3268	0.150			
	9	44	CR				+	8988	0.110	+	5077	0.101	+	3268	0.130			
	9	49	MC													*	835	-0.103
	9	93	CR				+	8988	0.117	+	5077	0.222				*	835	-0.430
	9	94	MC													*	835	-0.124
	9	95	MC													*	835	-0.104
	9	112	MC	+	217	0.245	+	8988	0.147	+	5077	0.142	+	3268	0.159	+	835	0.158

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Table 246. Items Flagged for DIF by Language Proficiency Focal Group (cont'd)

				Language Proficiency Focal Group[1]														
				Bilingual			ESL			FEP			LEP			NEP		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
	9	113	MC	*	217	-0.112				*	5077	-0.100						
	9	115	MC										+	3268	0.111			
	10	4	MC													*	764	-0.169
	10	7	CR				+	8206	0.116	+	4798	0.123	+	2772	0.140			
	10	9	MC										*	2772	-0.107	*	764	-0.117
	10	11	MC													*	764	-0.105
	10	12	CR							+	4798	0.121						
	10	13	MC													*	764	-0.112
	10	14	CR	+	145	0.210	+	8206	0.237	+	4798	0.208	+	2772	0.279	+	764	0.258
	10	19	CR							+	4798	0.125	+	2772	0.105			
	10	20	MC	*	145	-0.105												
	10	21	MC										*	2772	-0.108	*	764	-0.136
	10	27	CR				+	8206	0.119	+	4798	0.107	+	2772	0.117	+	764	0.189
	10	35	MC										*	2772	-0.117			
Reading	10	36	MC	*	145	-0.147	*	8206	-0.162	*	4798	-0.205	*	2772	-0.123			
	10	37	CR				+	8206	0.154	+	4798	0.110	+	2772	0.239	+	764	0.126
	10	41	CR				+	8206	0.155	+	4798	0.164	+	2772	0.177			
	10	45	MC										*	2772	-0.131			
	10	91	CR													*	764	-0.169
	10	94	MC				+	8206	0.116	+	4798	0.123	+	2772	0.140			
	10	96	MC										*	2772	-0.107	*	764	-0.117
	10	98	MC													*	764	-0.105
	10	99	MC							+	4798	0.121						
	10	100	MC													*	764	-0.112
	10	101	CR	+	145	0.210	+	8206	0.237	+	4798	0.208	+	2772	0.279	+	764	0.258
	10	106	MC							+	4798	0.125	+	2772	0.105			
	10	107	MC	*	145	-0.105												
	10	108	CR										*	2772	-0.108	*	764	-0.136
	10	114	MC				+	8206	0.119	+	4798	0.107	+	2772	0.117	+	764	0.189

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Table 246. Items Flagged for DIF by Language Proficiency Focal Group (cont'd)

				Language Proficiency Focal Group[1]														
				Bilingual			ESL			FEP			LEP			NEP		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	3	1E	CR	+	485	0.101												
	3	2	MC	*	485	-0.225	*	10794	-0.189				*	7620	-0.204	*	2115	-0.221
	3	7	MC	*	485	-0.279	*	10794	-0.220				*	7620	-0.251	*	2115	-0.252
	3	9	MC	*	485	-0.163	*	10794	-0.105				*	7620	-0.110	*	2115	-0.155
	3	16	MC	*	485	-0.153	*	10794	-0.145	*	1499	-0.103	*	7620	-0.171			
	4	52	MC	*	846	-0.256	*	11206	-0.151				*	7527	-0.187	*	1909	-0.250
	4	53	MC	*	846	-0.200							*	7527	-0.108	*	1909	-0.168
	4	54	MC	*	846	-0.241	*	11206	-0.147				*	7527	-0.173	*	1909	-0.219
	4	67	MC	*	846	-0.183	*	11206	-0.130				*	7527	-0.161	*	1909	-0.135
	4	69	CR	+	846	0.238	+	11206	0.132				+	7527	0.164	+	1909	0.130
	4	82	MC													*	1909	-0.108
	4	84	MC	+	846	0.122							+	7527	0.126			
	4	93	CR	+	846	0.238	+	11206	0.120				+	7527	0.133	+	1909	0.261
	5	3A	CR	+	612	0.124										+	1293	0.125
	5	58	MC													*	1293	-0.131
	5	65	CR	+	612	0.153							+	6791	0.131			
	5	82	MC	*	612	-0.103							*	6791	-0.113			
	5	87	MC										*	6791	-0.108			
	5	88	MC													*	1293	-0.147
	5	96	CR	+	612	0.184							+	6791	0.130			
	6	2E	CR	*	386	-0.137	*	10224	-0.121	*	4400	-0.101	*	5290	-0.138	*	897	-0.124
	6	58	MC													*	897	-0.182
	6	60	MC	*	386	-0.102							*	5290	-0.111			
	6	68	MC										*	5290	-0.110			
	6	79	MC	*	386	-0.182	*	10224	-0.115				*	5290	-0.177			
	6	80	CR	+	386	0.192	+	10224	0.102				+	5290	0.158			
	6	86	MC													+	897	0.136
	6	92	MC													+	897	0.110
	6	98	CR	+	386	0.145							+	5290	0.106	+	897	0.141
	7	2A	CR													*	723	-0.111

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Table 246. Items Flagged for DIF by Language Proficiency Focal Group (cont'd)

				Language Proficiency Focal Group[1]													
				Bilingual			ESL			FEP			LEP			NEP		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	7	2B	CR													*	723	-0.147
	7	2E	CR													*	723	-0.147
	7	3A	CR										+	4651	0.118	+	723	0.168
	7	59	MC										*	4651	-0.101			
	7	72	CR	+	287	0.182	+	9943	0.130				+	4651	0.188			
	7	73	MC										+	4651	0.103			
	7	85	MC										*	4651	-0.134			
	7	90	MC	*	287	-0.110	*	9943	-0.165	*	4832	-0.124	*	4651	-0.218			
	7	91	MC										*	4651	-0.114	*	723	-0.156
	7	92	MC	*	287	-0.129	*	9943	-0.132				*	4651	-0.184	*	723	-0.100
	7	95	CR	+	287	0.304	+	9943	0.143				+	4651	0.208	+	723	0.312
	8	2B	CR													*	635	-0.105
	8	2D	CR													+	635	0.144
	8	53	MC	*	305	-0.128										*	635	-0.154
	8	54	MC										*	3633	-0.105			
	8	58	MC	*	305	-0.146	*	9290	-0.127	*	5304	-0.103	*	3633	-0.179			
	8	72	CR	+	305	0.125	+	9290	0.120	+	5304	0.109	+	3633	0.168			
	8	73	MC													+	635	0.102
	8	77	MC	*	305	-0.180	*	9290	-0.186				*	3633	-0.307	*	635	-0.258
	8	82	MC	*	305	-0.150				*	5304	-0.118						
	8	83	MC	+	305	0.109							+	3633	0.109			
	8	94	CR	+	305	0.250	+	9290	0.134				+	3633	0.191	+	635	0.212
	9	51	MC	*	217	-0.117	*	9012	-0.163	*	5084	-0.108	*	3278	-0.245	*	842	-0.164
	9	55	MC													+	842	0.113
	9	57	MC													*	842	-0.177
	9	65	CR	+	217	0.172	+	9012	0.124	+	5084	0.102	+	3278	0.201			
	9	89	MC													+	842	0.130
	9	91	CR	+	217	0.241	+	9012	0.164	+	5084	0.128	+	3278	0.254			
	10	2A	CR										*	2780	-0.130	*	761	-0.112
	10	2B	CR													*	761	-0.197

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Table 246. Items Flagged for DIF by Language Proficiency Focal Group (cont'd)

				Language Proficiency Focal Group[1]														
				Bilingual			ESL			FEP			LEP			NEP		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	10	2C	CR													*	761	-0.113
	10	2F	CR													*	761	-0.311
	10	57	MC	*	145	-0.117												
	10	59	MC	*	145	-0.120	*	8211	-0.129	*	4795	-0.123	*	2780	-0.163			
	10	64	MC													+	761	0.119
	10	69	CR				+	8211	0.159	+	4795	0.125	+	2780	0.239			
	10	72	MC	*	145	-0.121							*	2780	-0.163			
	10	75	MC													+	761	0.101
	10	78	MC							*	4795	-0.106						
	10	83	MC													+	761	0.129
	10	84	MC													+	761	0.125
	10	88	MC													+	761	0.102
	10	90	CR	+	145	0.176	+	8211	0.184	+	4795	0.153	+	2780	0.262	+	761	0.101
	10	116	CR													+	761	0.119
Mathematics	4	7	MC													*	2036	-0.122
	4	18	CR	*	896	-0.243	*	11292	-0.103				*	7551	-0.127	*	2036	-0.164
	4	25	MC	*	896	-0.110							*	7551	-0.117	*	2036	-0.111
	4	39	MC													+	2036	0.101
	4	44	MC	*	896	-0.103												
	4	46	CR	*	896	-0.182										*	2036	-0.293
	4	56	CR													*	2036	-0.146
	4	63	CR	+	896	0.155												
	4	69	CR	+	896	0.228	+	11292	0.121				+	7551	0.156	+	2036	0.125
	5	1	MC													+	1314	0.129
	5	3	CR													*	1314	-0.137
	5	11	MC	*	612	-0.109												
	5	15	CR													*	1314	-0.134
	5	22	MC													*	1314	-0.133
	5	23	CR	*	612	-0.209										*	1314	-0.298
	5	36	MC													+	1314	0.119

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Table 246. Items Flagged for DIF by Language Proficiency Focal Group (cont'd)

				Language Proficiency Focal Group[1]														
				Bilingual			ESL			FEP			LEP			NEP		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Mathematics	5	41	CR	+	612	0.177												
	5	44	MC													+	1314	0.123
	5	50	CR	*	612	-0.110												
	5	53	MC													+	1314	0.125
	5	55	CR													*	1314	-0.245
	5	59	MC	+	612	0.104												
	5	69	CR										+	6796	0.118			
	6	5	MC													+	907	0.106
	6	8	MC													*	907	-0.111
	6	10	CR	*	385	-0.135							*	5304	-0.123	*	907	-0.272
	6	12	MC													+	907	0.103
	6	17	MC													+	907	0.122
	6	24	MC	*	385	-0.115	*	10250	-0.105				*	5304	-0.125	*	907	-0.211
	6	30	CR										*	5304	-0.139	*	907	-0.138
	6	43	MC	+	385	0.129												
	6	44	CR													*	907	-0.287
	6	49	MC	*	385	-0.151				*	4402	-0.103						
	6	59	MC													+	907	0.189
	7	13	MC													*	742	-0.121
	7	15	CR	*	292	-0.111												
	7	20	CR													+	742	0.127
	7	22	MC													*	742	-0.138
	7	26	CR										+	4657	0.123			
	7	34	CR	*	292	-0.121										*	742	-0.109
	7	36	MC													+	742	0.118
	7	41	MC													*	742	-0.104
	7	42	MC										*	4657	-0.135	*	742	-0.126
	7	50	MC													+	742	0.101
	7	56	CR				+	9976	0.106	+	4837	0.103	+	4657	0.141	*	742	-0.113
	7	60	CR													*	742	-0.205

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Table 246. Items Flagged for DIF by Language Proficiency Focal Group (cont'd)

				Language Proficiency Focal Group[1]													
				Bilingual			ESL			FEP			LEP			NEP		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Mathematics	8	3	CR							+	5310	0.142						
	8	8	CR													*	649	-0.136
	8	12	MC													*	649	-0.116
	8	18	MC													*	649	-0.126
	8	23	MC													+	649	0.104
	8	32	CR	+	308	0.114												
	8	35	CR													*	649	-0.206
	8	54	CR													*	649	-0.114
	8	60	CR				+	9327	0.117				+	3650	0.178	+	649	0.258
	9	20	CR	*	225	-0.168							*	3278	-0.114	*	858	-0.179
	9	34	CR										*	3278	-0.100	*	858	-0.235
	9	45	MC													*	858	-0.122
	9	46	CR													*	858	-0.103
	9	53	CR										*	3278	-0.103	*	858	-0.175
	9	60	CR				+	9032	0.129				+	3278	0.212	+	858	0.316
	10	15	MC													*	771	-0.127
	10	20	CR													+	771	0.117
	10	25	CR													*	771	-0.198
	10	28	CR													*	771	-0.107
	10	34	CR													*	771	-0.105
	10	49	CR													*	771	-0.186
	10	51	MC													*	771	-0.155
Science	5	25	CR	+	613	0.131												
	5	36	MC													+	1310	0.106
	5	54	CR													*	1310	-0.194
	5	62	MC													+	1310	0.122
	5	73	CR													+	1310	0.152
	8	4	MC	+	304	0.144												
	8	14	CR	*	304	-0.150												
	8	16	MC	*	304	-0.129												

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

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Table 246. Items Flagged for DIF by Language Proficiency Focal Group (cont'd)

				Language Proficiency Focal Group[1]														
				Bilingual			ESL			FEP			LEP			NEP		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
	8	22	CR				+	9293	0.252	+	5296	0.192	+	3639	0.330	+	643	0.300
	8	26	MC													*	643	-0.106
	8	27	MC													*	643	-0.108
	8	44	CR										*	3639	-0.106	*	643	-0.131
	8	57	CR													*	643	-0.410
	8	76	CR	+	304	0.252												
Science	10	15	CR	*	151	-0.205										*	768	-0.120
	10	16	MC	*	151	-0.101												
	10	22	CR				+	8236	0.295	+	4809	0.280	+	2783	0.358			
	10	30	MC	+	151	0.112												
	10	57	MC													*	768	-0.108
	10	75	CR							*	4809	-0.115						
	10	76	MC	*	151	-0.128												

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

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Table 247. Items Flagged for DIF by Education Plan Focal Group

				Education Plan Focal Group[1]											
				504			GATE			IEP			Title 1		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
	3	23	CR				*	669	-0.104						
	3	31	CR				*	669	-0.109						
	4	20	CR	*	390	-0.174									
	4	23	CR	*	390	-0.127									
	4	33	CR	*	390	-0.135									
	4	43	CR	*	390	-0.133	*	1241	-0.124						
	4	110	MC	*	390	-0.174									
	4	113	MC	*	390	-0.127									
	5	27	CR				*	1596	-0.102						
	5	36	CR				*	1596	-0.104						
	6	17	CR	*	614	-0.168									
	6	18	CR	*	614	-0.113									
	6	24	CR	*	614	-0.146									
	6	34	CR	*	614	-0.140									
	6	53	CR				*	1518	-0.146						
	6	112	CR	*	614	-0.168									
	6	113	MC	*	614	-0.113									
Reading	7	19	CR	*	756	-0.112									
	7	24	CR	*	756	-0.158							+	8677	0.110
	7	35	CR				*	1572	-0.127						
	7	111	MC	*	756	-0.112									
	8	10	CR	*	792	-0.147							+	8249	0.128
	8	15	CR	*	792	-0.101							+	8249	0.120
	8	40	CR	*	792	-0.131	*	1486	-0.114						
	8	101	MC	*	792	-0.147							+	8249	0.128
	8	106	MC	*	792	-0.101							+	8249	0.120
	9	5	CR	*	808	-0.207									
	9	34	CR	*	808	-0.158							+	4436	0.201
	9	93	CR	*	808	-0.207									
	10	7	CR	*	901	-0.117							+	3847	0.132
	10	14	CR	*	901	-0.125							+	3847	0.161
	10	36	MC										*	3847	-0.111
	10	41	CR	*	901	-0.124									
	10	94	MC	*	901	-0.117							+	3847	0.132
	10	101	CR	*	901	-0.125							+	3847	0.161
	4	3A	CR	*	389	-0.123	*	1239	-0.155						
	4	3B	CR	*	389	-0.120	*	1239	-0.183						
	4	69	CR	*	389	-0.164				*	5950	-0.102			
	4	93	CR	*	389	-0.172									
Writing	5	3B	CR				*	1586	-0.107						
	5	65	CR				*	1586	-0.119						
	5	96	CR	*	508	-0.146									
	6	80	CR	*	614	-0.145									
	6	98	CR	*	614	-0.158									

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

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Table 248. Items Flagged for DIF by Education Plan Focal Group (cont'd)

				Education Plan Focal Group[1]											
				504			GATE			IEP			Title 1		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	7	3A	CR	*	756	-0.115									
	7	72	CR	*	756	-0.111									
	7	95	CR	*	756	-0.126									
	9	91	CR	*	809	-0.113									
	10	69	CR	*	900	-0.120							+	3846	0.118
	10	90	CR	*	900	-0.105							+	3846	0.125
Mathematics	3	23	CR							+	5619	0.118			
	4	10	CR	*	392	-0.111									
	4	27	CR							+	5977	0.121			
	4	46	CR							*	5977	-0.191			
	4	56	CR				+	1236	0.106	*	5977	-0.114			
	5	23	CR							*	6015	-0.121			
	5	31	CR	*	508	-0.121				*	6015	-0.115			
	5	55	CR							*	6015	-0.108			
	6	33	CR	*	616	-0.116				*	5830	-0.115			
	7	56	CR							*	5523	-0.116			
	8	3	CR										+	8283	0.109
	8	48	CR				+	1487	0.107						
	8	54	CR	*	793	-0.118				*	5109	-0.107			
	9	7	CR										*	4470	-0.118
	9	20	CR							*	4853	-0.106			
	9	53	CR							*	4853	-0.110			
	9	60	CR							+	4853	0.122			
Science	5	54	CR							*	6010	-0.188			
	5	57	CR							*	6010	-0.130			
	8	22	CR	*	790	-0.159				*	5084	-0.240	+	8250	0.140
	8	47	CR							*	5084	-0.108			
	10	22	CR	*	898	-0.306				*	4452	-0.300	+	3866	0.168

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Table 248. Items Flagged for DIF by Homeless, Immigrant, Migrant, Free-Lunch Eligible

				Focal Group[1]											
				Homeless			Immigrant			Migrant			Free Lunch		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
	3	16	CR							+	256	0.152			
	3	37	CR				+	724	0.118	+	256	0.102			
	4	12	MC							*	225	-0.136			
	4	20	CR				+	605	0.129						
	4	23	CR				+	605	0.165						
	4	28	MC							*	225	-0.118			
	4	33	CR							+	225	0.224			
	4	43	CR				+	605	0.130						
	4	102	MC							*	225	-0.136			
	4	110	MC				+	605	0.129						
	4	113	MC				+	605	0.165						
	5	8	CR				+	555	0.104						
	5	13	MC				*	555	-0.122						
	5	20	MC				*	555	-0.115						
	5	24	CR				+	555	0.115	+	285	0.137			
	5	101	MC				+	555	0.104						
	5	106	MC				*	555	-0.122						
	5	113	CR				*	555	-0.115						
	6	8	CR							*	239	-0.120			
	6	13	MC				*	557	-0.101	*	239	-0.127			
	6	17	CR				+	557	0.245	+	239	0.209			
	6	18	CR				+	557	0.132						
Reading	6	32	CR				+	557	0.124						
	6	39	CR							+	239	0.131			
	6	45	CR				+	557	0.138						
	6	103	MC							*	239	-0.120			
	6	108	MC				*	557	-0.101	*	239	-0.127			
	6	112	CR				+	557	0.245	+	239	0.209			
	6	113	MC				+	557	0.132						
	7	4	CR				+	532	0.122						
	7	8	MC				*	532	-0.122	*	249	-0.161			
	7	13	CR				*	532	-0.144						
	7	24	CR				+	532	0.119						
	7	47	CR				+	532	0.147						
	7	96	MC				+	532	0.122						
	7	100	MC				*	532	-0.122	*	249	-0.161			
	7	105	MC				*	532	-0.144						
	8	4	MC				*	521	-0.180	*	200	-0.169			
	8	10	CR				+	521	0.145						
	8	11	MC				*	521	-0.200	*	200	-0.175			
	8	14	MC							*	200	-0.109			
	8	15	CR				+	521	0.182	+	200	0.190			
	8	22	MC				*	521	-0.115						
	8	26	CR				+	521	0.111	+	200	0.131			
	8	31	MC							*	200	-0.102			

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Table 248. Items Flagged for DIF by Homeless, Immigrant, Migrant, Free-Lunch Eligible (cont'd)

				Focal Group[1]											
				Homeless			Immigrant			Migrant			Free Lunch		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	8	39	CR				+	521	0.127						
	8	46	CR				+	521	0.286						
	8	47	CR				+	521	0.115	+	200	0.142			
	8	95	CR				*	521	-0.180	*	200	-0.169			
	8	101	MC				+	521	0.145						
	8	102	MC				*	521	-0.200	*	200	-0.175			
	8	105	MC							*	200	-0.109			
	8	106	MC				+	521	0.182	+	200	0.190			
	8	113	MC				*	521	-0.115						
	9	5	CR				*	629	-0.212						
	9	6	MC				*	629	-0.106						
	9	7	MC				*	629	-0.103						
	9	24	CR				+	629	0.162	+	216	0.164			
	9	27	CR							+	216	0.109			
	9	31	CR				+	629	0.189	+	216	0.135			
	9	34	CR				+	629	0.281	+	216	0.250			
	9	38	CR				+	629	0.141						
	9	44	CR				+	629	0.104	+	216	0.118			
	9	48	MC				*	629	-0.105						
	9	93	CR				*	629	-0.212						
	9	94	MC				*	629	-0.106						
	9	95	MC				*	629	-0.103						
	9	112	MC				+	629	0.162	+	216	0.164			
	9	115	MC							+	216	0.109			
	10	4	MC				*	587	-0.154						
	10	9	MC				*	587	-0.108	*	182	-0.108			
	10	11	MC				*	587	-0.120						
	10	13	MC				*	587	-0.113						
	10	14	CR				+	587	0.372	+	182	0.200	+	15024	0.117
	10	20	MC				*	587	-0.117						
	10	21	MC				*	587	-0.125						
	10	27	CR				+	587	0.250						
	10	36	MC							*	182	-0.121			
	10	37	CR				+	587	0.139	+	182	0.198			
	10	42	MC							*	182	-0.116			
	10	45	MC				*	587	-0.164						
	10	91	CR				*	587	-0.154						
	10	96	MC				*	587	-0.108	*	182	-0.108			
	10	98	MC				*	587	-0.120						
	10	100	MC				*	587	-0.113						
	10	101	CR				+	587	0.372	+	182	0.200	+	15024	0.117
	10	107	MC				*	587	-0.117						
	10	108	CR				*	587	-0.125						
	10	114	MC				+	587	0.250						

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Table 248. Items Flagged for DIF by Homeless, Immigrant, Migrant, Free-Lunch Eligible (cont'd)

				Focal Group[1]											
				Homeless			Immigrant			Migrant			Free Lunch		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
	3	2	MC				*	725	-0.161	*	256	-0.176			
	3	7	MC				*	725	-0.227	*	256	-0.200			
	3	9	MC				*	725	-0.107	*	256	-0.111			
	3	16	MC				*	725	-0.121	*	256	-0.146			
	3	24	MC							*	256	-0.104			
	4	52	MC				*	605	-0.212	*	224	-0.134			
	4	53	MC				*	605	-0.173	*	224	-0.157			
	4	54	MC				*	605	-0.185	*	224	-0.166			
	4	57	MC							*	224	-0.106			
	4	67	MC				*	605	-0.132	*	224	-0.159			
	4	69	CR				+	605	0.153						
	4	84	MC							+	224	0.127			
	4	93	CR				+	605	0.152						
	5	57	MC							*	285	-0.117			
	5	58	MC				*	555	-0.120						
	5	88	MC				*	555	-0.122						
	5	96	CR							+	285	0.176			
	6	2E	CR				*	558	-0.140	*	240	-0.102			
	6	58	MC				*	558	-0.119						
	6	60	MC							*	240	-0.106			
	6	68	MC				*	558	-0.128						
	6	75	MC				+	558	0.102						
Writing	6	79	MC				*	558	-0.147	*	240	-0.151			
	6	80	CR							+	240	0.145			
	6	86	MC				+	558	0.110						
	6	92	MC				+	558	0.114						
	6	98	CR							+	240	0.179			
	7	2B	CR				*	530	-0.146						
	7	2E	CR				*	530	-0.153						
	7	3A	CR				+	530	0.125						
	7	62	MC				+	530	0.103						
	7	71	MC				+	530	0.109						
	7	72	CR							+	250	0.158			
	7	78	MC				+	530	0.118						
	7	85	MC							*	250	-0.117			
	7	90	MC				*	530	-0.155	*	250	-0.165			
	7	91	MC				*	530	-0.149						
	7	92	MC				*	530	-0.136	*	250	-0.125			
	7	93	MC				+	530	0.105						
	7	95	CR				+	530	0.204						
	8	2D	CR				+	522	0.101						
	8	58	MC				*	522	-0.125	*	200	-0.167			
	8	72	CR							+	200	0.153			
	8	73	MC				+	522	0.109						
	8	77	MC				*	522	-0.330	*	200	-0.222			

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Table 248. Items Flagged for DIF by Homeless, Immigrant, Migrant, Free-Lunch Eligible (cont'd)

				Focal Group[1]											
				Homeless			Immigrant			Migrant			Free Lunch		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	8	83	MC							+	200	0.122			
	8	91	MC				+	522	0.111						
	8	94	CR							+	200	0.182			
	9	2A	CR				+	629	0.157						
	9	51	MC				*	629	-0.212	*	217	-0.228			
	9	55	MC				+	629	0.114						
	9	57	MC				*	629	-0.199						
	10	2B	CR				*	588	-0.125	*	181	-0.106			
	10	2F	CR				*	588	-0.267	*	181	-0.121			
	10	57	MC							*	181	-0.101			
	10	59	MC				*	588	-0.108						
	10	64	MC				+	588	0.130						
	10	72	MC				*	588	-0.149						
	10	78	MC							*	181	-0.147			
	10	83	MC				+	588	0.114						
	10	88	MC				+	588	0.106						
	10	116	CR				+	588	0.130						
Mathematics	3	20	CR							+	276	0.124			
	4	7	MC				*	655	-0.125						
	4	10	CR				+	655	0.151	+	232	0.202			
	4	18	CR				*	655	-0.206						
	4	27	CR				+	655	0.101						
	4	46	CR				*	655	-0.161						
	4	63	CR				+	655	0.129						
	4	67	MC							+	232	0.128			
	4	69	CR				+	655	0.212						
	5	5	MC				*	565	-0.104						
	5	31	CR							+	282	0.215			
	5	34	CR				*	565	-0.106						
	5	36	MC				+	565	0.106	+	282	0.117			
	5	41	CR				+	565	0.139						
	5	50	CR							*	282	-0.144			
	5	55	CR				*	565	-0.206	*	282	-0.127			
	5	64	CR							*	282	-0.128			
	5	68	MC				*	565	-0.105						
	6	10	CR				*	563	-0.171	*	241	-0.154			
	6	24	MC				*	563	-0.133	*	241	-0.138			
	6	30	CR				*	563	-0.182						
	6	33	CR				+	563	0.151						
	6	39	MC							+	241	0.120			
	6	43	MC				+	563	0.107						
	6	44	CR				*	563	-0.209						
	6	49	MC				*	563	-0.111						
	6	59	MC				+	563	0.155						
	7	26	CR				+	540	0.175						

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Table 248. Items Flagged for DIF by Homeless, Immigrant, Migrant, Free-Lunch Eligible (cont'd)

				Focal Group[1]											
				Homeless			Immigrant			Migrant			Free Lunch		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Mathematics	7	29	MC				*	540	-0.105						
	7	40	CR				+	540	0.140	*	251	-0.145			
	7	42	MC				*	540	-0.136						
	7	60	CR				*	540	-0.208						
	8	8	CR				*	525	-0.160						
	8	35	CR				*	525	-0.148						
	8	40	CR							*	199	-0.124			
	8	60	CR				+	525	0.202						
	9	7	CR	*	760	-0.130									
	9	16	MC				*	635	-0.102						
	9	20	CR	*	760	-0.111	*	635	-0.116						
	9	34	CR				*	635	-0.182						
	9	40	CR				+	635	0.145						
	9	46	CR				*	635	-0.134						
	9	53	CR				*	635	-0.206						
	9	60	CR				+	635	0.244	+	221	0.191			
	10	5	CR				*	593	-0.106						
	10	12	MC							*	183	-0.100			
	10	15	MC				*	593	-0.118						
	10	20	CR				+	593	0.150	+	183	0.107			
	10	25	CR				*	593	-0.129						
	10	28	CR				*	593	-0.151						
	10	34	CR				*	593	-0.112						
	10	40	CR				*	593	-0.104						
	10	45	MC							+	183	0.113			
	10	49	CR				*	593	-0.139						
	10	59	MC							*	183	-0.101			
Science	5	22	CR				*	557	-0.108						
	5	73	CR				+	557	0.111						
	8	22	CR				+	524	0.389						
	8	44	CR				*	524	-0.135						
	8	51	CR							+	200	0.111			
	8	57	CR				*	524	-0.213						
	8	62	CR							+	200	0.113			
	10	3	MC							+	184	0.104			
	10	9	CR							*	184	-0.120			
	10	15	CR				*	588	-0.151						
	10	22	CR				+	588	0.268						
	10	49	MC							*	184	-0.100			
	10	57	MC				*	588	-0.108						
	10	67	MC							+	184	0.124			

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

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Table 249. Intercorrelations among Content Areas (Scale Scores)

Grade	Content Area	Reading	Writing	Mathematics	Science
3	Reading	1.00	0.76	0.72	
	Writing		1.00	0.75	
	Mathematics			1.00	
4	Reading	1.00	0.82	0.77	
	Writing		1.00	0.77	
	Mathematics			1.00	
5	Reading	1.00	0.82	0.78	0.84
	Writing		1.00	0.77	0.78
	Mathematics			1.00	0.83
	Science				1.00
6	Reading	1.00	0.83	0.78	
	Writing		1.00	0.77	
	Mathematics			1.00	
7	Reading	1.00	0.85	0.79	
	Writing		1.00	0.77	
	Mathematics			1.00	
8	Reading	1.00	0.86	0.78	0.84
	Writing		1.00	0.76	0.79
	Mathematics			1.00	0.84
	Science				1.00
9	Reading	1.00	0.87	0.79	
	Writing		1.00	0.78	
	Mathematics			1.00	
10	Reading	1.00	0.85	0.76	0.82
	Writing		1.00	0.74	0.78
	Mathematics			1.00	0.84
	Science				1.00

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Table 250. Intercorrelations among Content Areas (Percentile Ranks)

Grade	Content Area	Reading	Writing	Mathematics	Science
3	Reading	1.00	0.82	0.76	
	Writing		1.00	0.78	
	Mathematics			1.00	
4	Reading	1.00	0.85	0.80	
	Writing		1.00	0.77	
	Mathematics			1.00	
5	Reading	1.00	0.85	0.80	0.87
	Writing		1.00	0.77	0.78
	Mathematics			1.00	0.82
	Science				1.00
6	Reading	1.00	0.86	0.79	
	Writing		1.00	0.78	
	Mathematics			1.00	
7	Reading	1.00	0.87	0.80	
	Writing		1.00	0.78	
	Mathematics			1.00	
8	Reading	1.00	0.88	0.79	0.85
	Writing		1.00	0.77	0.80
	Mathematics			1.00	0.85
	Science				1.00
9	Reading	1.00	0.89	0.80	
	Writing		1.00	0.79	
	Mathematics			1.00	
10	Reading	1.00	0.88	0.77	0.84
	Writing		1.00	0.75	0.79
	Mathematics			1.00	0.86
	Science				1.00

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Table 251. Intercorrelations with Demographic Variables

Content Area	Grade	Age	Gender	Am. Indian/ AK Native	Asian	Black	Hispanic
Reading	3	-0.069	-0.106	-0.034	0.028	-0.089	-0.281
	4	-0.087	-0.109	-0.031	0.026	-0.103	-0.298
	5	-0.107	-0.091	-0.032	0.035	-0.100	-0.300
	6	-0.127	-0.121	-0.035	0.027	-0.125	-0.293
	7	-0.129	-0.137	-0.034	0.032	-0.115	-0.302
	8	-0.165	-0.175	-0.031	0.042	-0.100	-0.287
	9	-0.207	-0.149	-0.028	0.036	-0.117	-0.291
	10	-0.214	-0.181	-0.036	0.027	-0.111	-0.266
Writing	3	-0.076	-0.143	-0.039	0.032	-0.092	-0.260
	4	-0.089	-0.163	-0.039	0.039	-0.098	-0.300
	5	-0.112	-0.186	-0.035	0.056	-0.088	-0.271
	6	-0.136	-0.206	-0.040	0.052	-0.103	-0.256
	7	-0.139	-0.221	-0.039	0.061	-0.095	-0.280
	8	-0.167	-0.207	-0.032	0.045	-0.093	-0.286
	9	-0.218	-0.192	-0.032	0.036	-0.119	-0.288
	10	-0.217	-0.212	-0.039	0.032	-0.107	-0.271
Mathematics	3	-0.048	0.022	-0.035	0.063	-0.131	-0.295
	4	-0.085	0.003	-0.032	0.067	-0.139	-0.288
	5	-0.113	0.003	-0.034	0.073	-0.124	-0.271
	6	-0.132	-0.014	-0.036	0.063	-0.135	-0.264
	7	-0.141	-0.013	-0.036	0.077	-0.133	-0.289
	8	-0.172	-0.006	-0.031	0.089	-0.115	-0.277
	9	-0.234	0.002	-0.034	0.068	-0.146	-0.290
	10	-0.231	0.027	-0.043	0.063	-0.137	-0.283
Science	5	-0.081	0.024	-0.033	0.029	-0.133	-0.360
	8	-0.151	0.017	-0.032	0.039	-0.129	-0.324
	10	-0.214	0.006	-0.036	0.027	-0.134	-0.324
Reading Spanish	3	-0.025	-0.168	0.015			0.006
	4	-0.170	-0.095				-0.071
Writing Spanish	3	-0.004	-0.223	0.032			0.002
	4	-0.300	-0.059				0.070

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Table 252. Predictive Validity Coefficients

Content Area	Grade in 2010	Grade in 2011	Number Matched	Reliability 2010	Reliability 2011	Correlation $r_{2010\text{-}2011}$	Validity Coefficient
Reading	3	4	57147	0.94	0.94	0.84	0.89
	4	5	57670	0.93	0.93	0.87	0.93
	5	6	56311	0.93	0.93	0.86	0.93
	6	7	55636	0.92	0.93	0.87	0.94
	7	8	54492	0.92	0.93	0.87	0.94
	8	9	53614	0.93	0.93	0.86	0.92
	9	10	52590	0.93	0.94	0.85	0.91
Writing	3	4	57242	0.91	0.90	0.76	0.84
	4	5	58075	0.91	0.91	0.76	0.83
	5	6	56433	0.91	0.91	0.79	0.87
	6	7	55962	0.91	0.91	0.81	0.89
	7	8	54692	0.91	0.90	0.80	0.89
	8	9	53801	0.91	0.92	0.81	0.89
	9	10	52787	0.92	0.92	0.78	0.85
Mathematics	3	4	58682	0.94	0.94	0.85	0.90
	4	5	58018	0.94	0.94	0.88	0.94
	5	6	56508	0.93	0.94	0.88	0.94
	6	7	55582	0.93	0.93	0.90	0.96
	7	8	54341	0.93	0.94	0.90	0.96
	8	9	53371	0.93	0.93	0.90	0.96
	9	10	52119	0.92	0.93	0.89	0.96

* The Spanish version tests were removed from this table due to having very small n counts.

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Table 253. Classification Consistency and Classification Accuracy for Reading Grade 3

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0459	0.0117	0.0005	0.0000	0.0581
Partially Proficient	0.0126	0.0623	0.0310	0.0000	0.1059
Proficient	0.0005	0.0328	0.5510	0.0671	0.6514
Advanced	0.0000	0.0000	0.0575	0.1271	0.1846
Sum	0.0589	0.1068	0.6401	0.1942	1.0000
Observed Score Dist.	0.0916	0.1747	0.6669	0.0607	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9747	0.9352	0.8754	0.7863
Chance Probability (Pc)	0.8898	0.7246	0.6929	0.4675
Kappa	0.7709	0.7646	0.5941	0.5986
Classification Accuracy	0.9817	0.9585	0.9126	0.8530

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Table 254. Classification Consistency and Classification Accuracy for Reading Grade 4

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0975	0.0174	0.0000	0.0000	0.1149
Partially Proficient	0.0186	0.1707	0.0368	0.0000	0.2261
Proficient	0.0000	0.0416	0.5306	0.0253	0.5975
Advanced	0.0000	0.0000	0.0253	0.0362	0.0615
Sum	0.1161	0.2297	0.5927	0.0615	1.0000
Observed Score Dist.	0.1123	0.2312	0.6068	0.0457	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9640	0.9217	0.9494	0.8350
Chance Probability (Pc)	0.7956	0.5490	0.8846	0.4232
Kappa	0.8238	0.8263	0.5613	0.7140
Classification Accuracy	0.9749	0.9449	0.9654	0.8852

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Table 255. Classification Consistency and Classification Accuracy for Reading Grade 5

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.1007	0.0201	0.0000	0.0000	0.1209
Partially Proficient	0.0216	0.1256	0.0420	0.0000	0.1892
Proficient	0.0000	0.0428	0.5211	0.0316	0.5956
Advanced	0.0000	0.0000	0.0321	0.0622	0.0943
Sum	0.1224	0.1885	0.5953	0.0938	1.0000
Observed Score Dist.	0.1182	0.1867	0.6118	0.0782	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9582	0.9151	0.9363	0.8096
Chance Probability (Pc)	0.7863	0.5718	0.8296	0.4139
Kappa	0.8045	0.8018	0.6259	0.6752
Classification Accuracy	0.9735	0.9436	0.9539	0.8710

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Table 256. Classification Consistency and Classification Accuracy for Reading Grade 6

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0808	0.0142	0.0000	0.0000	0.0950
Partially Proficient	0.0173	0.1448	0.0387	0.0000	0.2009
Proficient	0.0002	0.0344	0.5010	0.0404	0.5759
Advanced	0.0000	0.0000	0.0449	0.0833	0.1282
Sum	0.0983	0.1935	0.5845	0.1237	1.0000
Observed Score Dist.	0.0936	0.1920	0.5985	0.1108	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9683	0.9267	0.9148	0.8099
Chance Probability (Pc)	0.8253	0.5850	0.7798	0.4007
Kappa	0.8186	0.8234	0.6129	0.6829
Classification Accuracy	0.9769	0.9482	0.9474	0.8725

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Table 257. Classification Consistency and Classification Accuracy for Reading Grade 7

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.1025	0.0190	0.0000	0.0000	0.1214
Partially Proficient	0.0180	0.1457	0.0432	0.0000	0.2069
Proficient	0.0000	0.0437	0.4853	0.0387	0.5677
Advanced	0.0000	0.0000	0.0309	0.0730	0.1039
Sum	0.1205	0.2083	0.5594	0.1117	1.0000
Observed Score Dist.	0.1169	0.2058	0.5765	0.0937	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9630	0.9131	0.9304	0.8065
Chance Probability (Pc)	0.7873	0.5588	0.8076	0.3870
Kappa	0.8261	0.8030	0.6381	0.6843
Classification Accuracy	0.9740	0.9379	0.9530	0.8649

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Table 258. Classification Consistency and Classification Accuracy for Reading Grade 8

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0817	0.0190	0.0000	0.0000	0.1007
Partially Proficient	0.0211	0.1641	0.0404	0.0000	0.2257
Proficient	0.0000	0.0416	0.4976	0.0339	0.5731
Advanced	0.0000	0.0000	0.0296	0.0710	0.1006
Sum	0.1028	0.2247	0.5676	0.1050	1.0000
Observed Score Dist.	0.0956	0.2263	0.5780	0.0909	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9599	0.9181	0.9365	0.8144
Chance Probability (Pc)	0.8172	0.5599	0.8156	0.3969
Kappa	0.7806	0.8138	0.6556	0.6923
Classification Accuracy	0.9734	0.9375	0.9570	0.8679

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Table 259. Classification Consistency and Classification Accuracy for Reading Grade 9

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0587	0.0119	0.0000	0.0000	0.0705
Partially Proficient	0.0139	0.2069	0.0437	0.0000	0.2645
Proficient	0.0000	0.0468	0.5536	0.0181	0.6185
Advanced	0.0000	0.0000	0.0177	0.0288	0.0465
Sum	0.0726	0.2655	0.6149	0.0470	1.0000
Observed Score Dist.	0.0680	0.2596	0.6174	0.0363	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9742	0.9095	0.9642	0.8480
Chance Probability (Pc)	0.8671	0.5534	0.9109	0.4579
Kappa	0.8062	0.7974	0.5982	0.7196
Classification Accuracy	0.9814	0.9399	0.9772	0.8985

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Table 260. Classification Consistency and Classification Accuracy for Reading Grade 10

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0739	0.0175	0.0000	0.0000	0.0914
Partially Proficient	0.0156	0.1833	0.0361	0.0000	0.2350
Proficient	0.0000	0.0423	0.5097	0.0271	0.5792
Advanced	0.0000	0.0000	0.0296	0.0649	0.0945
Sum	0.0895	0.2430	0.5754	0.0920	1.0000
Observed Score Dist.	0.0834	0.2378	0.5737	0.0767	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9669	0.9216	0.9433	0.8318
Chance Probability (Pc)	0.8355	0.5581	0.8309	0.4072
Kappa	0.7989	0.8225	0.6646	0.7162
Classification Accuracy	0.9775	0.9443	0.9624	0.8841

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Table 261. Classification Consistency and Classification Accuracy for Writing Grade 3

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0489	0.0129	0.0000	0.0000	0.0618
Partially Proficient	0.0131	0.3474	0.0610	0.0010	0.4224
Proficient	0.0000	0.0671	0.2924	0.0431	0.4025
Advanced	0.0000	0.0004	0.0426	0.0702	0.1132
Sum	0.0620	0.4278	0.3959	0.1143	1.0000
Observed Score Dist.	0.0598	0.4245	0.4305	0.0822	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9740	0.8706	0.9130	0.7589
Chance Probability (Pc)	0.8838	0.5003	0.7984	0.3568
Kappa	0.7758	0.7411	0.5684	0.6251
Classification Accuracy	0.9821	0.9146	0.9395	0.8362

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Table 262. Classification Consistency and Classification Accuracy for Writing Grade 4

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0533	0.0175	0.0000	0.0000	0.0708
Partially Proficient	0.0174	0.2964	0.0637	0.0000	0.3775
Proficient	0.0000	0.0570	0.3239	0.0499	0.4308
Advanced	0.0000	0.0004	0.0374	0.0833	0.1210
Sum	0.0707	0.3712	0.4250	0.1331	1.0000
Observed Score Dist.	0.0644	0.3746	0.4500	0.1067	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9652	0.8789	0.9124	0.7568
Chance Probability (Pc)	0.8686	0.5060	0.7781	0.3443
Kappa	0.7349	0.7549	0.6052	0.6291
Classification Accuracy	0.9767	0.9114	0.9418	0.8303

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Table 263. Classification Consistency and Classification Accuracy for Writing Grade 5

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0328	0.0122	0.0000	0.0000	0.0450
Partially Proficient	0.0117	0.2849	0.0494	0.0000	0.3461
Proficient	0.0000	0.0594	0.3818	0.0430	0.4842
Advanced	0.0000	0.0000	0.0415	0.0833	0.1247
Sum	0.0445	0.3565	0.4727	0.1263	1.0000
Observed Score Dist.	0.0417	0.3507	0.4968	0.1055	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9761	0.8912	0.9156	0.7828
Chance Probability (Pc)	0.9145	0.5216	0.7805	0.3700
Kappa	0.7201	0.7725	0.6154	0.6553
Classification Accuracy	0.9827	0.9207	0.9424	0.8458

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Table 264. Classification Consistency and Classification Accuracy for Writing Grade 6

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0330	0.0143	0.0000	0.0000	0.0473
Partially Proficient	0.0126	0.2693	0.0534	0.0000	0.3354
Proficient	0.0000	0.0518	0.3949	0.0386	0.4853
Advanced	0.0000	0.0000	0.0400	0.0921	0.1320
Sum	0.0456	0.3354	0.4883	0.1306	1.0000
Observed Score Dist.	0.0409	0.3356	0.5087	0.1097	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9731	0.8948	0.9215	0.7893
Chance Probability (Pc)	0.9114	0.5279	0.7718	0.3689
Kappa	0.6961	0.7771	0.6558	0.6661
Classification Accuracy	0.9811	0.9263	0.9434	0.8507

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Table 265. Classification Consistency and Classification Accuracy for Writing Grade 7

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0260	0.0103	0.0000	0.0000	0.0363
Partially Proficient	0.0116	0.2989	0.0560	0.0000	0.3665
Proficient	0.0000	0.0593	0.3635	0.0357	0.4585
Advanced	0.0000	0.0000	0.0355	0.1032	0.1387
Sum	0.0376	0.3686	0.4550	0.1389	1.0000
Observed Score Dist.	0.0325	0.3708	0.4663	0.1235	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9781	0.8847	0.9289	0.7917
Chance Probability (Pc)	0.9288	0.5182	0.7610	0.3643
Kappa	0.6929	0.7607	0.7024	0.6723
Classification Accuracy	0.9847	0.9225	0.9485	0.8557

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Table 266. Classification Consistency and Classification Accuracy for Writing Grade 8

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0258	0.0119	0.0000	0.0000	0.0377
Partially Proficient	0.0118	0.3406	0.0634	0.0000	0.4158
Proficient	0.0000	0.0574	0.3261	0.0397	0.4232
Advanced	0.0000	0.0000	0.0392	0.0841	0.1233
Sum	0.0376	0.4100	0.4287	0.1238	1.0000
Observed Score Dist.	0.0322	0.4166	0.4353	0.1065	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9763	0.8792	0.9211	0.7767
Chance Probability (Pc)	0.9276	0.5049	0.7834	0.3685
Kappa	0.6734	0.7560	0.6359	0.6464
Classification Accuracy	0.9833	0.9175	0.9438	0.8447

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Table 267. Classification Consistency and Classification Accuracy for Writing Grade 9

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0347	0.0150	0.0000	0.0000	0.0497
Partially Proficient	0.0117	0.3452	0.0518	0.0004	0.4091
Proficient	0.0000	0.0493	0.3527	0.0346	0.4366
Advanced	0.0000	0.0000	0.0356	0.0690	0.1047
Sum	0.0463	0.4095	0.4401	0.1040	1.0000
Observed Score Dist.	0.0441	0.4126	0.4394	0.0860	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9733	0.8986	0.9294	0.8017
Chance Probability (Pc)	0.9086	0.5036	0.8131	0.3729
Kappa	0.7084	0.7956	0.6224	0.6838
Classification Accuracy	0.9818	0.9279	0.9530	0.8627

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Table 268. Classification Consistency and Classification Accuracy for Writing Grade 10

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0451	0.0156	0.0000	0.0000	0.0607
Partially Proficient	0.0121	0.3760	0.0682	0.0000	0.4564
Proficient	0.0000	0.0612	0.3271	0.0263	0.4145
Advanced	0.0000	0.0000	0.0260	0.0424	0.0684
Sum	0.0572	0.4528	0.4214	0.0687	1.0000
Observed Score Dist.	0.0565	0.4475	0.4179	0.0498	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9723	0.8706	0.9477	0.7906
Chance Probability (Pc)	0.8891	0.5003	0.8723	0.3895
Kappa	0.7505	0.7410	0.5904	0.6571
Classification Accuracy	0.9815	0.9072	0.9637	0.8525

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Table 269. Classification Consistency and Classification Accuracy for Mathematics Grade 3

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0417	0.0190	0.0003	0.0000	0.0610
Partially Proficient	0.0188	0.1322	0.0408	0.0000	0.1919
Proficient	0.0002	0.0504	0.3119	0.0552	0.4177
Advanced	0.0000	0.0000	0.0580	0.2714	0.3294
Sum	0.0606	0.2017	0.4110	0.3266	1.0000
Observed Score Dist.	0.0801	0.2213	0.4113	0.2838	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9617	0.9083	0.8868	0.7572
Chance Probability (Pc)	0.8858	0.6175	0.5592	0.3217
Kappa	0.6650	0.7602	0.7432	0.6421
Classification Accuracy	0.9730	0.9343	0.9218	0.8291

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Table 270. Classification Consistency and Classification Accuracy for Mathematics Grade 4

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0438	0.0106	0.0000	0.0000	0.0545
Partially Proficient	0.0142	0.1327	0.0342	0.0000	0.1811
Proficient	0.0000	0.0349	0.3620	0.0487	0.4456
Advanced	0.0000	0.0000	0.0556	0.2632	0.3189
Sum	0.0580	0.1782	0.4519	0.3119	1.0000
Observed Score Dist.	0.0835	0.2039	0.4314	0.2783	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9752	0.9309	0.8957	0.8018
Chance Probability (Pc)	0.8938	0.6395	0.5682	0.3362
Kappa	0.7661	0.8085	0.7584	0.7014
Classification Accuracy	0.9827	0.9520	0.9294	0.8642

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Table 271. Classification Consistency and Classification Accuracy for Mathematics Grade 5

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0523	0.0152	0.0000	0.0000	0.0675
Partially Proficient	0.0122	0.1731	0.0397	0.0000	0.2250
Proficient	0.0000	0.0380	0.2839	0.0476	0.3696
Advanced	0.0000	0.0000	0.0485	0.2894	0.3379
Sum	0.0646	0.2263	0.3722	0.3370	1.0000
Observed Score Dist.	0.0975	0.2386	0.3569	0.3032	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9726	0.9223	0.9039	0.7987
Chance Probability (Pc)	0.8766	0.5868	0.5529	0.3067
Kappa	0.7776	0.8119	0.7850	0.7096
Classification Accuracy	0.9797	0.9460	0.9390	0.8648

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Table 272. Classification Consistency and Classification Accuracy for Mathematics Grade 6

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0804	0.0200	0.0000	0.0000	0.1004
Partially Proficient	0.0282	0.1640	0.0442	0.0000	0.2364
Proficient	0.0000	0.0399	0.2911	0.0378	0.3688
Advanced	0.0000	0.0000	0.0419	0.2524	0.2943
Sum	0.1086	0.2238	0.3773	0.2903	1.0000
Observed Score Dist.	0.1253	0.2429	0.3574	0.2704	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9518	0.9159	0.9203	0.7879
Chance Probability (Pc)	0.8128	0.5547	0.5863	0.2884
Kappa	0.7423	0.8111	0.8073	0.7020
Classification Accuracy	0.9658	0.9420	0.9495	0.8574

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Table 273. Classification Consistency and Classification Accuracy for Mathematics Grade 7

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0968	0.0295	0.0000	0.0000	0.1263
Partially Proficient	0.0376	0.2374	0.0448	0.0000	0.3198
Proficient	0.0000	0.0450	0.2226	0.0382	0.3058
Advanced	0.0000	0.0000	0.0353	0.2127	0.2480
Sum	0.1344	0.3119	0.3027	0.2509	1.0000
Observed Score Dist.	0.1469	0.3192	0.2932	0.2349	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9329	0.9102	0.9265	0.7696
Chance Probability (Pc)	0.7732	0.5058	0.6255	0.2716
Kappa	0.7041	0.8183	0.8038	0.6837
Classification Accuracy	0.9540	0.9386	0.9509	0.8435

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Table 274. Classification Consistency and Classification Accuracy for Mathematics Grade 8

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.1452	0.0403	0.0003	0.0000	0.1859
Partially Proficient	0.0335	0.2002	0.0440	0.0000	0.2778
Proficient	0.0000	0.0460	0.2278	0.0325	0.3063
Advanced	0.0000	0.0000	0.0284	0.2018	0.2301
Sum	0.1787	0.2865	0.3005	0.2343	1.0000
Observed Score Dist.	0.1935	0.2861	0.2936	0.2186	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9258	0.9097	0.9391	0.7750
Chance Probability (Pc)	0.7019	0.5025	0.6434	0.2587
Kappa	0.7513	0.8184	0.8293	0.6964
Classification Accuracy	0.9486	0.9379	0.9550	0.8414

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Table 275. Classification Consistency and Classification Accuracy for Mathematics Grade 9

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.2671	0.0503	0.0000	0.0000	0.3174
Partially Proficient	0.0393	0.2136	0.0396	0.0000	0.2924
Proficient	0.0000	0.0376	0.1826	0.0253	0.2456
Advanced	0.0000	0.0000	0.0248	0.1199	0.1446
Sum	0.3063	0.3015	0.2470	0.1452	1.0000
Observed Score Dist.	0.3112	0.2961	0.2411	0.1356	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9104	0.9228	0.9499	0.7831
Chance Probability (Pc)	0.5707	0.5237	0.7522	0.2670
Kappa	0.7914	0.8378	0.7978	0.7041
Classification Accuracy	0.9291	0.9437	0.9643	0.8371

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Table 276. Classification Consistency and Classification Accuracy for Mathematics Grade 10

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.2499	0.0487	0.0000	0.0000	0.2986
Partially Proficient	0.0455	0.2909	0.0354	0.0000	0.3717
Proficient	0.0000	0.0382	0.2115	0.0164	0.2662
Advanced	0.0000	0.0000	0.0153	0.0482	0.0635
Sum	0.2953	0.3778	0.2622	0.0647	1.0000
Observed Score Dist.	0.2942	0.3647	0.2603	0.0556	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9058	0.9265	0.9683	0.8005
Chance Probability (Pc)	0.5824	0.5590	0.8800	0.3025
Kappa	0.7744	0.8332	0.7356	0.7140
Classification Accuracy	0.9338	0.9490	0.9779	0.8607

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Table 277. Classification Consistency and Classification Accuracy for Science Grade 5

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0959	0.0300	0.0000	0.0000	0.1258
Partially Proficient	0.0272	0.2871	0.0512	0.0000	0.3654
Proficient	0.0000	0.0548	0.2619	0.0391	0.3559
Advanced	0.0000	0.0000	0.0354	0.1175	0.1528
Sum	0.1231	0.3718	0.3485	0.1566	1.0000
Observed Score Dist.	0.1559	0.3737	0.3342	0.1324	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9428	0.8940	0.9255	0.7623
Chance Probability (Pc)	0.7820	0.5001	0.7384	0.2993
Kappa	0.7377	0.7880	0.7152	0.6608
Classification Accuracy	0.9582	0.9226	0.9437	0.8245

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Table 278. Classification Consistency and Classification Accuracy for Science Grade 8

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.1793	0.0380	0.0003	0.0000	0.2176
Partially Proficient	0.0390	0.1799	0.0522	0.0000	0.2711
Proficient	0.0003	0.0395	0.3484	0.0277	0.4159
Advanced	0.0000	0.0000	0.0268	0.0686	0.0954
Sum	0.2186	0.2574	0.4276	0.0963	1.0000
Observed Score Dist.	0.2342	0.2623	0.4116	0.0821	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9224	0.9077	0.9455	0.7762
Chance Probability (Pc)	0.6589	0.5005	0.8266	0.3044
Kappa	0.7724	0.8152	0.6857	0.6782
Classification Accuracy	0.9473	0.9324	0.9611	0.8408

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Table 279. Classification Consistency and Classification Accuracy for Science Grade 10

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.2480	0.0443	0.0023	0.0000	0.2946
Partially Proficient	0.0385	0.1234	0.0442	0.0000	0.2061
Proficient	0.0016	0.0451	0.3535	0.0238	0.4239
Advanced	0.0000	0.0000	0.0208	0.0545	0.0753
Sum	0.2880	0.2128	0.4209	0.0783	1.0000
Observed Score Dist.	0.2872	0.2131	0.4081	0.0653	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9133	0.9068	0.9554	0.7793
Chance Probability (Pc)	0.5871	0.5000	0.8582	0.3130
Kappa	0.7900	0.8135	0.6855	0.6788
Classification Accuracy	0.9394	0.9304	0.9685	0.8384

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Table 280. Classification Consistency and Classification Accuracy for Reading Grade 3 (Spanish)

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.1402	0.0293	0.0016	0.0000	0.1711
Partially Proficient	0.0338	0.1201	0.0514	0.0000	0.2053
Proficient	0.0011	0.0557	0.3883	0.0493	0.4945
Advanced	0.0000	0.0000	0.0406	0.0885	0.1291
Sum	0.1751	0.2052	0.4819	0.1378	1.0000
Observed Score Dist.	0.1689	0.2004	0.5162	0.1145	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9342	0.8901	0.9101	0.7371
Chance Probability (Pc)	0.7137	0.5296	0.7687	0.3282
Kappa	0.7701	0.7665	0.6113	0.6087
Classification Accuracy	0.9511	0.9169	0.9378	0.8059

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Table 281. Classification Consistency and Classification Accuracy for Reading Grade 4 (Spanish)

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.2899	0.0497	0.0003	0.0000	0.3399
Partially Proficient	0.0493	0.1740	0.0466	0.0000	0.2698
Proficient	0.0005	0.0479	0.3058	0.0105	0.3647
Advanced	0.0000	0.0000	0.0089	0.0166	0.0255
Sum	0.3397	0.2717	0.3617	0.0270	1.0000
Observed Score Dist.	0.3554	0.2771	0.3434	0.0241	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9002	0.9046	0.9806	0.7863
Chance Probability (Pc)	0.5513	0.5244	0.9489	0.3214
Kappa	0.7775	0.7995	0.6212	0.6851
Classification Accuracy	0.9285	0.9321	0.9876	0.8481

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Table 282. Classification Consistency and Classification Accuracy for Writing Grade 3 (Spanish)

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.1091	0.0318	0.0004	0.0000	0.1414
Partially Proficient	0.0300	0.1427	0.0577	0.0003	0.2307
Proficient	0.0005	0.0547	0.2686	0.0624	0.3862
Advanced	0.0000	0.0001	0.0599	0.1817	0.2417
Sum	0.1396	0.2294	0.3866	0.2444	1.0000
Observed Score Dist.	0.1332	0.2354	0.3975	0.2339	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9373	0.8863	0.8773	0.7022
Chance Probability (Pc)	0.7585	0.5335	0.6320	0.2810
Kappa	0.7404	0.7562	0.6666	0.5857
Classification Accuracy	0.9541	0.9218	0.9102	0.7862

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Table 283. Classification Consistency and Classification Accuracy for Writing Grade 4 (Spanish)

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.3844	0.0782	0.0010	0.0000	0.4636
Partially Proficient	0.0646	0.1973	0.0445	0.0000	0.3065
Proficient	0.0010	0.0519	0.1642	0.0040	0.2210
Advanced	0.0000	0.0000	0.0036	0.0053	0.0089
Sum	0.4500	0.3274	0.2133	0.0093	1.0000
Observed Score Dist.	0.3313	0.3976	0.2530	0.0181	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.8552	0.9016	0.9924	0.7512
Chance Probability (Pc)	0.5036	0.6499	0.9820	0.3562
Kappa	0.7082	0.7191	0.5801	0.6136
Classification Accuracy	0.8995	0.9316	0.9943	0.8254

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Table 284. Mean and Median Scale Scores by Year for Writing Subcontent Areas: Paragraph Writing and Extended Writing

			Paragraph Writing (SA5)			Extended Writing (SA6)			Combined (SA5 and SA6)		
Grade	Year	N	Mean	Median	SD	Mean	Median	SD	Mean	Median	SD
4	2002	55488	489	491	72.8	504	486	99.3	488	485	60.3
	2003	55108	486	479	73.5	497	479	91.7	486	486	64.7
	2004	54546	492	490	65.9	517	505	107.6	492	489	59.5
	2005	54339	494	486	74.3	504	516	98.6	490	488	64.8
	2006	55640	486	488	66.1	510	495	109.6	486	484	60.3
	2007	56278	487	481	64.5	494	479	87.8	485	482	58.9
	2008	57957	489	487	64.7	517	495	112.7	489	487	59.5
	2009	59548	487	485	64.0	504	527	106.7	486	484	60.9
	2010	61099	487	486	64.7	501	490	97.2	486	485	59.9
	2011	62308	492	493	64.4	498	471	81.1	491	491	57.4
5	2002	56398	503	503	66.0	518	503	105.8	502	501	60.4
	2003	56822	503	504	72.3	531	500	121.1	504	503	65.3
	2004	55946	505	500	73.5	525	508	107.7	507	505	66.4
	2005	55191	512	509	70.5	543	525	130.2	510	506	65.5
	2006	55800	513	511	72.7	533	484	114.2	514	511	69.4
	2007	56704	509	507	65.9	531	538	112.9	508	506	62.4
	2008	57019	512	510	75.2	535	536	120.2	512	510	71.6
	2009	58785	510	509	65.9	536	532	117.3	510	508	63.1
	2010	59745	509	507	74.0	521	504	100.2	508	508	66.8
	2011	61706	513	510	67.3	533	542	113.1	512	510	62.7
6	2002	55632	518	518	76.1	528	529	95.2	518	518	68.4
	2003	56674	521	521	71.2	549	524	123.8	523	523	67.5
	2004	56744	523	522	73.7	559	547	134.6	524	521	70.1
	2005	56200	532	527	82.8	536	496	106.2	529	528	74.0
	2006	56097	531	526	82.9	542	490	116.2	529	526	76.5
	2007	56380	530	527	80.0	539	600	104.0	529	528	74.6
	2008	56901	533	530	83.4	558	538	138.4	531	526	78.1
	2009	57379	530	528	73.9	545	576	114.9	529	528	69.2
	2010	58856	527	524	80.8	535	522	103.5	525	523	71.6
	2011	60358	532	530	76.2	549	566	120.1	531	529	70.4
7	2002	54338	544	541	79.8	558	542	106.0	543	541	70.3
	2003	56609	544	546	78.9	580	554	141.4	547	548	73.9
	2004	57016	546	543	94.4	574	557	147.7	545	542	85.5
	2005	57201	551	546	90.2	552	503	113.6	548	545	82.7
	2006	57323	550	548	91.5	577	577	145.3	550	549	83.8
	2007	56769	561	555	88.8	573	648	105.0	560	556	82.5
	2008	56813	553	550	89.0	580	572	142.7	553	554	83.1
	2009	57395	562	557	84.1	575	622	118.3	561	559	78.8
	2010	57773	556	552	88.1	575	588	133.8	555	554	81.7
	2011	59414	554	553	84.3	573	500	130.3	554	552	78.7

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Table 284. Mean and Median Scale Scores by Year for Writing Subcontent Areas: Paragraph Writing and Extended Writing (cont'd)

			Paragraph Writing (SA5)			Extended Writing (SA6)			Combined (SA5 and SA6)		
Grade	Year	N	Mean	Median	SD	Mean	Median	SD	Mean	Median	SD
8	2002	53466	554	551	85.9	586	586	124.3	558	557	76.0
	2003	54894	555	556	82.4	590	592	136.5	558	558	79.4
	2004	56410	556	555	90.1	576	583	142.1	554	553	84.4
	2005	56821	559	557	87.4	572	558	127.7	558	555	82.1
	2006	58095	560	558	87.6	557	552	125.0	556	556	83.1
	2007	57631	563	559	94.0	577	601	119.5	562	556	86.6
	2008	56658	564	561	91.9	580	612	131.2	563	562	87.8
	2009	57100	564	559	87.3	582	587	116.2	563	561	79.1
	2010	57103	566	566	83.5	615	567	168.4	566	564	79.7
	2011	58016	565	565	91.1	583	613	136.5	564	564	84.2
9	2002	52972	563	563	92.0	581	637	121.7	564	564	87.2
	2003	55540	572	570	98.0	611	593	157.0	573	569	90.9
	2004	56588	571	569	94.8	580	545	94.6	572	572	79.7
	2005	57703	569	569	96.1	576	524	104.9	568	564	84.8
	2006	58795	570	570	96.1	568	536	105.2	567	561	88.0
	2007	59521	569	564	97.3	580	635	124.1	567	563	89.1
	2008	59076	567	563	98.2	569	498	448.8	565	559	90.0
	2009	58939	572	567	95.9	590	616	130.3	570	568	87.3
	2010	59098	565	562	97.7	614	575	180.1	565	560	92.9
	2011	58931	571	568	96.2	595	607	153.3	570	568	90.0
10	2002	49009	587	588	96.7	606	580	138.4	586	585	88.8
	2003	49658	591	583	107.6	641	590	185.8	589	583	100.0
	2004	50756	584	577	96.7	588	537	117.2	581	578	84.8
	2005	51638	580	576	97.5	582	529	111.0	578	575	88.2
	2006	53754	584	581	101.2	586	523	112.1	581	578	91.1
	2007	54683	586	579	104.9	594	649	123.2	583	583	94.0
	2008	55306	579	572	109.3	590	635	142.5	577	573	100.9
	2009	55818	584	578	102.3	596	638	119.7	582	581	91.7
	2010	55225	580	574	109.1	616	604	179.3	578	573	102.7
	2011	56463	576	576	87.3	592	577	130.7	575	574	80.0

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