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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 2012 TCAP 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	91	56	14	70		7	7	
	7*2	90	55	14	69		8	5	1
	8	91	56	14	70		7	7	
	9*3	92	54	14	68		4	10	
	10*4	94	54	14	68		3	10	1
Writing	3	56	35	18	53	15	3		
	4	69	40	13	53	7	1		5
	5	69	40	13	53	7	1		5
	6	69	40	13	53	7	1		5
	7	69	40	13	53	7	1		5
	8	69	40	13	53	7	1		5
	9	69	40	13	53	7	1		5
	10	69	40	13	53	7	1		5
Mathematics	3	49	32	8	40		7	1	
	4	95	54	15	69		7	5	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*5	86	44	15	59		6	6	3
	9	87	45	15	60		6	6	3
	10	87	45	15	60		6	6	3
Science	5	88	57	18	75	5	13		
	8	99	60	23	83	10	11	1	1
	10*6	99	59	23	82	9	12	1	1
Reading Spanish	3	52	32	8	40		4	4	
	4	91	56	14	70		7	7	
Writing Spanish	3	56	35	18	53	15	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. 2 MC items removed
4. 2 MC items removed
5. 1 MC item removed
6. 1 MC item removed

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Table 3. Configuration of 2012 TCAP 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									9	9	13	13	10	10		
		CR	8	20									5	13	3	7				
4	Reading[*1]	MC	22	22	10	10	13	13	10	10			15	15	15	15	12	12		
		CR	6	15	3	8	2	5	3	7			7	17	5	13				
5	Reading	MC	21	21	13	13	15	15	7	7			18	18	13	13	10	10		
		CR	4	10	3	7	2	5	5	13			7	17	5	13				
6	Reading	MC	26	26	7	7	16	16	7	7			21	21	9	9	10	10		
		CR	2	5	5	13	2	4	5	13			8	21	4	10				
7	Reading[*2]	MC	16	16	11	11	12	12	16	16	11	11			12	12	9	9	11	11
		CR	6	14	4	9	3	8	1	4	4	10			5	10			2	7
8	Reading	MC	20	20	13	13	12	12	11	11	12	12			10	10	12	12	10	10
		CR	5	11	3	8	3	7	3	9	3	7			6	15			2	6
9	Reading[*3]	MC	20	20	11	11	14	14	9	9	11	11			9	9	12	12	8	8
		CR	5	12	3	9	2	6	4	11	5	13			6	16			1	3
10	Reading[*4]	MC	16	16	16	16	15	15	7	7	11	11			8	8	11	11	9	9
		CR	5	16	1	3	2	6	6	15	6	17			5	14			1	3
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 CS1.i G7 SA 3V
3. Removed two MC items from calibration one in CS4.a G9 SA 1F and one in CS5.f G9
4. Removed two MC items from calibration one in CS4.a G10 SA 1F and one in CS4.e G10 SA 2F

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Table 4. Configuration of 2012 TCAP 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			15	15	8	8
		CR	9	12	9	9	12	15			3	3	3	3
4	Writing	MC	15	15	25	25	9	9			16	16	9	9
		CR	6	21	7	8	3	12	4	11	3	3	3	3
5	Writing	MC	15	15	25	25	8	8			16	16	14	14
		CR	6	21	7	8	3	12	4	11	3	3	3	3
6	Writing	MC	15	15	25	25	10	10			23	23	7	7
		CR	6	21	7	8	3	12	4	11	2	2	4	4
7	Writing	MC	15	15	25	25	10	10			21	21	7	7
		CR	6	21	7	8	3	12	4	11	3	3	3	3
8	Writing	MC	15	15	25	25	6	6			20	20	8	8
		CR	6	21	7	8	3	12	4	11	2	2	4	4
9	Writing	MC	15	15	25	25	12	12			19	19	7	7
		CR	6	21	7	8	3	12	4	11	3	3	3	3
10	Writing	MC	15	15	25	25	11	11			24	24	4	4
		CR	6	21	7	8	3	12	4	11	2	2	4	4
3	Spanish Writing	MC	12	12	23	23					17	17	7	7
		CR	9	12	9	9	12	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	4	11	4	4	2	2

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Table 5. Configuration of 2012 TCAP 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	4	2	5						
4	Mathematics	MC	10	10			6	6			9	9	17	17	12	12	7	7	5	5	6	6
		CR	4	10			3	8			2	5	4	11	2	7	5	14	3	8	1	2
5	Mathematics	MC	14	14			8	8			7	7	11	11	14	14	12	12	4	4	2	2
		CR	2	5			4	11			4	12	3	9	2	5	1	3	4	11	3	9
6	Mathematics	MC	10	10			7	7			7	7	12	12	9	9	5	5	5	5	5	5
		CR	2	7			3	10			4	11	4	10	2	4	4	11	3	10	3	7
7	Mathematics	MC			15	15	9	9			9	9	12	12			5	5	3	3		
		CR			4	11	3	8			3	9	5	14			2	6	5	14		
8	Mathematics*1	MC			10	10	11	11			9	9	14	14			6	6	4	4	5	5
		CR			4	11	4	11			3	8	4	12			4	10	2	6	3	10
9	Mathematics	MC			10	10	12	12			12	12	11	11			4	4	6	6		
		CR			3	7	5	14			3	9	4	12			4	12	3	8		
10	Mathematics	MC			12	12	12	12			11	11	10	10			8	8	2	2		
		CR			2	5	5	14			4	11	4	12			7	22	1	2		

* 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 1/6

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Table 6. Configuration of 2012 TCAP 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	20	20	12	12	12	12	13	13	12	12	4	4								
		CR	10	15	3	6	3	6	2	4	6	9	3	5								
8	Science	MC	23	23	13	13	12	12	12	12	8	8	13	13	9	9			6	6	8	8
		CR	11	20	4	6	5	9	3	4	7	11	4	9	3	4					3	4
10	Science*[1]	MC	21	21	12	12	14	14	12	12	6	6	4	4			7	7	6	6	10	10
		CR	12	22	5	8	3	5	3	5	7	13	5	9			1	2			2	3

* 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

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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	38%	0%	43%	13%	0%	8%	40
	4	26%	0%	51%	9%	3%	12%	69
	5	16%	0%	59%	11%	6%	9%	70
	6	20%	3%	56%	6%	4%	11%	70
	7	16%	0%	49%	10%	14%	10%	69
	8	7%	3%	61%	10%	11%	7%	70
	9	16%	0%	50%	4%	13%	16%	68
	10	10%	0%	53%	6%	16%	15%	68
Writing	3	43%	11%	21%	0%	2%	23%	53
	4	51%	11%	23%	0%	2%	13%	53
	5	42%	11%	28%	0%	6%	13%	53
	6	38%	11%	32%	0%	6%	13%	53
	7	36%	11%	26%	0%	13%	13%	53
	8	36%	11%	34%	0%	6%	13%	53
	9	30%	11%	34%	0%	11%	13%	53
	10	30%	11%	32%	0%	13%	13%	53
Mathematics	3	33%	0%	45%	18%	3%	3%	40
	4	32%	0%	45%	14%	1%	7%	69
	5	28%	0%	49%	9%	1%	13%	69
	6	15%	0%	60%	12%	0%	13%	60
	7	10%	0%	62%	12%	3%	13%	60
	8	12%	0%	59%	12%	3%	14%	59
	9	18%	0%	52%	18%	5%	7%	60
	10	18%	0%	50%	15%	7%	10%	60
Science	5	24%	3%	45%	13%	7%	8%	75
	8	18%	1%	47%	16%	7%	11%	83
	10	13%	0%	48%	15%	11%	13%	82
Spanish Reading	3	0%	0%	80%	20%	0%	0%	40
	4	33%	1%	39%	16%	9%	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	29%	0%	33%	25%	0%	13%	52
	4	20%	0%	39%	16%	2%	23%	90
	5	12%	0%	45%	22%	4%	16%	91
	6	15%	7%	43%	9%	3%	23%	91
	7	12%	0%	38%	19%	11%	20%	90
	8	5%	4%	47%	19%	9%	15%	91
	9	12%	0%	37%	9%	10%	33%	92
	10	7%	0%	38%	14%	12%	29%	94
Writing	3	41%	11%	20%	0%	2%	27%	56
	4	39%	9%	17%	0%	1%	33%	69
	5	32%	9%	22%	0%	4%	33%	69
	6	29%	9%	25%	0%	4%	33%	69
	7	28%	9%	20%	0%	10%	33%	69
	8	28%	9%	26%	0%	4%	33%	69
	9	23%	9%	26%	0%	9%	33%	69
	10	23%	9%	25%	0%	10%	33%	69
Mathematics	3	27%	0%	37%	31%	2%	4%	49
	4	23%	0%	33%	27%	1%	16%	95
	5	20%	0%	35%	15%	1%	29%	96
	6	10%	0%	41%	21%	0%	28%	87
	7	7%	0%	43%	18%	2%	30%	87
	8	8%	0%	41%	17%	2%	31%	86
	9	13%	0%	36%	33%	3%	15%	87
	10	13%	0%	34%	25%	5%	23%	87
Science	5	20%	2%	39%	19%	6%	14%	88
	8	15%	1%	39%	19%	6%	19%	99
	10	11%	0%	39%	19%	9%	21%	99
Spanish Reading	3	0%	0%	62%	39%	0%	0%	52
	4	25%	2%	30%	34%	7%	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 2012 Test Forms that were Flagged for DIF or Fit

Language	Content Area	Grade	Item Type	2012 Item	2012 Anchor	Year Flagged	DIF Flag*	Fit Flag*
English	Reading	4	CR	44		2011	E	0
English	Reading	4	CR	108		2010	0	1
English	Reading	4	CR	109		2010	0	1
English	Reading	5	CR	14		2011	E	0
English	Reading	5	CR	40		2010	0	1
English	Reading	5	SR	94		2009	0	1
English	Reading	5	SR	102		2009	0	1
English	Reading	6	CR	11		2011	E	0
English	Reading	6	CR	32		2009	0	1
English	Reading	6	CR	47		2011	E	0
English	Reading	7	CR	20		2011	E	0
English	Reading	7	CR	25		2011	E,G	0
English	Reading	8	CR	10		2011	E	0
English	Reading	8	CR	20		2010	E	0
English	Reading	8	CR	30		2011	E,G	0
English	Reading	8	SR	47		2010	0	1
English	Reading	8	SR	49		2010	G	0
English	Reading	8	CR	54		2010	E	0
English	Reading	9	SR	6	Yes	2010	E	0
English	Reading	9	CR	13		2011	E	0
English	Reading	9	CR	24		2011	E	0
English	Reading	9	CR	27		2011	E,G	0
English	Reading	9	MC	95	Yes	2011	E	1
English	Reading	9	CR	112		2010	E	0
English	Reading	9	CR	115		2010	E	0
English	Reading	10	CR	13		2011	E,G	0
English	Reading	10	CR	30		2010	E	0
English	Reading	10	CR	31		2010	E	0
English	Reading	10	SR	32	Yes	2010	0	1
English	Reading	10	MC	46		2011	E	0
English	Reading	10	CR	51		2011	E	0
English	Reading	10	SR	97	Yes	2011	0	1
English	Reading	10	CR	101		2011	E	0
English	Reading	10	CR	104		2010	E	0
English	Writing	4	ECR	3A		2010	0	1
English	Writing	4	SCR	92		2010	G	0
English	Writing	4	SCR	116		2010	0	1
English	Writing	5	ECR	3A		2010	0	1
English	Writing	5	SCR	93		2010	0	1
English	Writing	6	MC	65		2009	G	0

* 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 2012 Test Forms that were Flagged for DIF or Fit (cont'd)

Language	Content Area	Grade	Item Type	2012 Item	2012 Anchor	Year Flagged	DIF Flag*	Fit Flag*
English	Writing	6	SCR	73		2010	E	1
English	Writing	6	MC	82		2009	0	1
English	Writing	6	SCR	94		2010	G	1
English	Writing	7	CR	2F		2010	0	1
English	Writing	8	ECR	3A		2010	0	1
English	Writing	8	SCR	98		2011	G	0
English	Writing	9	ECR	3A		2011	E	0
English	Writing	9	ECR	3B		2011	E	0
English	Writing	9	SCR	72		2010	E,G	0
English	Writing	9	SCR	94		2011	0	1
English	Writing	10	ECR	3A		2011	0	1
English	Writing	10	ECR	3B		2011	0	1
English	Writing	10	MC	67		2010	E	0
English	Writing	10	SCR	71		2010	E,G	0
English	Writing	10	SCR	116		2011	E	1
English	Mathematics	3	MC	5		2011	E	0
English	Mathematics	5	CR	26		2010	E	0
English	Mathematics	5	CR	59		2010	0	1
English	Mathematics	6	CR	17		2011	0	1
English	Mathematics	6	CR	40		2011	0	1
English	Mathematics	7	CR	11		2011	0	1
English	Mathematics	7	MC	36		2011	0	1
English	Mathematics	8	CR	30		2009	E	0
English	Mathematics	8	CR	40		2011	E	0
English	Mathematics	8	MC	47		2011	0	1
English	Mathematics	8	CR	48		2010	E	1
English	Mathematics	8	CR	60		2011	0	1
English	Mathematics	9	MC	7		2011	E	0
English	Mathematics	10	MC	7		2011	0	1
English	Mathematics	10	MC	16	Yes	2011	E	0
English	Mathematics	10	CR	17		2010	0	1
English	Mathematics	10	MC	51		2011	0	1
English	Mathematics	10	MC	57		2011	0	1
English	Mathematics	10	CR	60		2011	0	1
English	Science	8	MC	24		2010	G,E	0
English	Science	8	MC	59		2011	G	0
English	Science	10	CR	21		2010	G,E	0
English	Science	10	CR	22		2010	E	0
English	Science	10	CR	24		2010	E	0
English	Science	10	CR	32		2009	0	1
English	Science	10	CR	40		2011	E	0

* 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 2012 Test Forms that were Flagged for DIF or Fit (cont'd)

Language	Content Area	Grade	Item Type	2012 Item	2012 Anchor	Year Flagged	DIF Flag*	Fit Flag*
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
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

* 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 2012 Test Forms that were Flagged for DIF or Fit (cont'd)

Language	Content Area	Grade	Item Type	2012 Item	2012 Anchor	Year Flagged	DIF Flag*	Fit Flag*
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
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 TCAP 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	5	3164	3	1.61	1.62	0.78	0.77	0.68	70.39	27.37	97.76
3	15	3150	2	1.23	1.22	0.83	0.83	0.89	88.73	10.96	99.69
3	17	3139	2	1.31	1.30	0.84	0.85	0.77	78.53	19.17	97.70
3	20	3148	3	1.31	1.31	0.85	0.85	0.69	68.53	29.37	97.90
3	23	3141	3	0.83	0.82	0.85	0.86	0.73	72.25	26.22	98.47
3	27	3129	2	0.79	0.80	0.69	0.68	0.68	74.66	24.86	99.52
3	32	3128	3	1.26	1.26	0.84	0.83	0.69	72.42	25.59	98.01
3	39	3093	2	1.09	1.08	0.78	0.79	0.72	75.89	23.07	98.96
4	6	3150	2	1.23	1.22	0.83	0.83	0.89	88.73	10.96	99.69
4	8	3139	2	1.31	1.30	0.84	0.85	0.77	78.53	19.17	97.70
4	18	3079	2	0.95	0.96	0.73	0.73	0.73	77.59	21.83	99.42
4	23	3087	3	1.67	1.68	1.12	1.12	0.79	68.76	27.89	96.65
4	25	3062	3	1.34	1.35	0.88	0.87	0.71	72.76	25.96	98.72
4	29	3105	3	1.25	1.24	0.86	0.86	0.74	71.31	27.37	98.68
4	34	3091	2	0.74	0.74	0.59	0.59	0.79	90.28	9.59	99.87
4	44	3097	3	1.66	1.65	0.93	0.93	0.73	65.88	32.21	98.09
4	47	3087	3	1.29	1.28	0.85	0.85	0.67	65.16	32.86	98.02
4	94	3110	2	1.58	1.59	0.66	0.66	0.82	88.52	11.10	99.62
4	95	3092	2	1.26	1.25	0.64	0.64	0.75	84.03	15.61	99.64
4	108	3050	2	1.37	1.37	0.81	0.81	0.90	97.01	2.99	100.00
4	109	3068	3	1.41	1.40	0.87	0.87	0.73	73.87	24.99	98.86
4	111	3128	3	1.26	1.26	0.84	0.83	0.69	72.42	25.59	98.01
5	4	3112	2	0.57	0.57	0.74	0.73	0.84	87.17	12.31	99.48
5	6	3083	3	1.17	1.17	0.90	0.90	0.78	80.69	17.78	98.47
5	14	3048	3	1.07	1.08	0.97	0.98	0.73	68.89	29.31	98.20
5	21	3079	2	0.95	0.96	0.73	0.73	0.73	77.59	21.83	99.42
5	29	3109	3	1.62	1.60	0.86	0.87	0.74	69.54	29.59	99.13
5	38	3097	3	1.28	1.28	0.84	0.84	0.71	71.69	26.60	98.29
5	39	3113	3	1.42	1.44	1.10	1.09	0.85	75.84	23.07	98.91
5	40	3102	3	1.14	1.14	0.92	0.92	0.75	70.89	27.11	98.00
5	47	3049	2	0.79	0.78	0.70	0.70	0.72	81.03	18.51	99.54
5	51	3036	2	0.91	0.90	0.79	0.79	0.68	74.10	23.66	97.76
5	96	3084	2	0.72	0.73	0.63	0.63	0.66	77.44	22.34	99.78
5	100	3110	2	1.58	1.59	0.66	0.66	0.82	88.52	11.10	99.62
5	101	3092	2	1.26	1.25	0.64	0.64	0.75	84.03	15.61	99.64
5	113	3075	3	0.81	0.82	0.85	0.85	0.70	77.95	18.54	96.49

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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	4	3112	2	0.57	0.57	0.74	0.73	0.84	87.17	12.31	99.48
6	6	3083	3	1.17	1.17	0.90	0.90	0.78	80.69	17.78	98.47
6	11	3081	3	1.37	1.38	1.15	1.16	0.79	77.28	17.36	94.64
6	12	3087	3	2.14	2.15	1.12	1.12	0.89	84.39	14.90	99.29
6	18	3060	2	1.14	1.14	0.75	0.76	0.65	68.35	29.86	98.21
6	23	3023	2	0.87	0.87	0.82	0.82	0.65	68.66	28.03	96.69
6	28	3063	3	1.35	1.37	0.98	0.98	0.74	74.92	20.54	95.46
6	32	3059	3	1.37	1.37	1.04	1.03	0.73	72.26	22.54	94.80
6	46	3010	2	1.55	1.55	0.66	0.67	0.79	91.63	7.91	99.54
6	47	2946	2	0.80	0.80	0.80	0.81	0.77	87.59	11.90	99.49
6	99	3078	3	1.29	1.30	0.81	0.81	0.70	72.66	25.52	98.18
6	103	3075	3	0.81	0.82	0.85	0.85	0.70	77.95	18.54	96.49
6	106	3035	2	0.81	0.80	0.80	0.81	0.69	71.89	26.17	98.06
6	107	3053	2	0.93	0.93	0.54	0.53	0.61	80.25	19.62	99.87
7	8	3063	3	1.35	1.37	0.98	0.98	0.74	74.92	20.54	95.46
7	13	2980	3	2.07	2.08	1.13	1.12	0.85	81.64	16.31	97.95
7	14	2986	2	1.61	1.63	0.64	0.62	0.65	79.45	18.84	98.29
7	19	2934	2	1.58	1.57	0.71	0.71	0.64	78.12	18.84	96.96
7	20	2972	3	1.76	1.75	0.91	0.91	0.75	71.52	27.16	98.68
7	25	2934	4	1.39	1.37	0.89	0.90	0.64	75.72	19.77	95.49
7	32	2952	2	0.91	0.92	0.79	0.78	0.76	81.99	16.17	98.16
7	42	2967	3	2.10	2.12	1.05	1.04	0.82	82.63	15.11	97.74
7	44	2926	2	0.69	0.69	0.61	0.62	0.58	74.88	24.23	99.11
7	47	2929	2	1.13	1.13	0.68	0.68	0.57	68.95	29.54	98.49
7	97	2908	3	1.74	1.75	1.04	1.05	0.74	75.63	21.20	96.83
7	106	2940	2	1.11	1.12	0.71	0.72	0.81	88.73	11.06	99.79
7	110	3035	2	0.81	0.80	0.80	0.81	0.69	71.89	26.17	98.06
7	111	3053	2	0.93	0.93	0.54	0.53	0.61	80.25	19.62	99.87
8	6	2956	2	1.33	1.36	0.73	0.72	0.56	64.04	33.19	97.23
8	10	2906	3	1.55	1.54	0.88	0.88	0.64	61.47	37.01	98.48
8	19	2872	2	1.39	1.37	0.70	0.70	0.69	82.16	16.72	98.88
8	20	2878	3	1.43	1.43	0.89	0.88	0.60	68.24	27.23	95.47
8	21	2863	2	1.74	1.75	0.54	0.54	0.63	87.00	12.37	99.37
8	30	2679	3	1.27	1.26	0.90	0.90	0.61	76.55	22.40	98.95
8	38	2952	2	0.91	0.92	0.79	0.78	0.76	81.99	16.17	98.16
8	44	2926	2	0.69	0.69	0.61	0.62	0.58	74.88	24.23	99.11
8	46	2929	3	1.25	1.27	0.85	0.86	0.68	71.10	26.31	97.41
8	48	2929	2	1.13	1.13	0.68	0.68	0.57	68.95	29.54	98.49
8	54	2877	3	0.67	0.68	0.83	0.85	0.61	71.46	25.16	96.62
8	102	2932	3	1.21	1.20	0.85	0.85	0.66	69.00	28.82	97.82
8	108	2801	2	1.58	1.56	0.67	0.70	0.65	83.87	14.59	98.46
8	110	2865	3	1.98	1.97	1.06	1.07	0.72	74.09	22.59	96.68

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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	4	2878	3	1.43	1.43	0.89	0.88	0.60	68.24	27.23	95.47
9	7	2863	2	1.74	1.75	0.54	0.54	0.63	87.00	12.37	99.37
9	13	2895	2	1.32	1.34	0.57	0.57	0.51	71.70	27.96	99.66
9	19	2754	2	0.18	0.18	0.48	0.49	0.56	90.42	8.75	99.17
9	22	2780	3	1.08	1.09	0.90	0.90	0.60	66.99	30.52	97.51
9	24	2913	2	1.32	1.33	0.59	0.60	0.54	70.71	29.09	99.80
9	27	2858	3	1.37	1.40	0.85	0.85	0.59	62.39	35.82	98.21
9	31	2880	3	2.10	2.08	1.04	1.04	0.74	76.17	21.92	98.09
9	40	2877	3	0.67	0.68	0.83	0.85	0.61	71.46	25.16	96.62
9	96	2845	3	1.47	1.47	0.81	0.80	0.61	68.91	30.00	98.91
9	99	2882	3	1.98	2.00	0.95	0.95	0.68	70.14	27.32	97.46
9	102	2784	3	2.03	2.03	1.17	1.16	0.69	75.42	19.36	94.78
9	112	2855	3	1.35	1.35	0.79	0.79	0.57	63.73	34.90	98.63
9	115	2857	3	1.52	1.54	0.89	0.89	0.64	68.76	29.49	98.25
10	7	2754	2	0.18	0.18	0.48	0.49	0.56	90.42	8.75	99.17
10	11	2780	3	1.08	1.09	0.90	0.90	0.60	66.99	30.52	97.51
10	13	2729	4	2.72	2.73	1.25	1.23	0.63	57.17	36.15	93.32
10	21	2723	2	1.37	1.37	0.56	0.55	0.49	73.00	26.89	99.89
10	27	2736	3	1.46	1.47	1.07	1.06	0.66	70.72	23.94	94.66
10	30	2758	3	1.61	1.62	0.88	0.88	0.61	62.75	35.48	98.23
10	31	2721	3	1.39	1.39	0.91	0.92	0.58	60.49	36.34	96.83
10	36	2702	3	1.26	1.29	0.85	0.88	0.50	54.81	39.84	94.65
10	42	2698	3	1.76	1.73	0.99	0.99	0.66	74.91	22.79	97.70
10	47	2611	3	2.16	2.15	0.99	0.99	0.62	74.57	22.52	97.09
10	51	2550	3	1.18	1.19	1.07	1.05	0.56	64.93	28.68	93.61
10	101	2731	2	1.04	1.08	0.82	0.82	0.56	70.02	23.63	93.65
10	104	2855	3	1.35	1.35	0.79	0.79	0.57	63.73	34.90	98.63
10	109	2857	3	1.52	1.54	0.89	0.89	0.64	68.76	29.49	98.25

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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	3140	1	0.78	0.78	0.41	0.41	0.94	98.06	1.94	100.00
3	1B	3139	1	0.61	0.60	0.49	0.49	0.94	97.42	2.58	100.00
3	1C	3140	1	0.63	0.63	0.48	0.48	0.93	97.16	2.84	100.00
3	1D	3140	1	0.67	0.67	0.47	0.47	0.93	97.13	2.87	100.00
3	1E	3139	1	0.91	0.91	0.29	0.29	0.87	98.12	1.88	100.00
3	1F	3139	1	0.67	0.67	0.47	0.47	0.94	97.87	2.13	100.00
3	10A	3136	2	1.24	1.23	0.44	0.44	0.43	78.24	21.73	99.97
3	10B	3136	1	0.98	0.98	0.14	0.13	0.37	97.57	2.43	100.00
3	10C	3136	1	0.79	0.80	0.41	0.40	0.51	83.95	16.05	100.00
3	10D	3136	1	0.90	0.91	0.30	0.29	0.47	90.75	9.25	100.00
3	28A	3137	2	1.28	1.28	0.46	0.46	0.41	74.40	25.57	99.97
3	28B	3137	1	0.98	0.98	0.15	0.15	0.41	97.29	2.71	100.00
3	28C	3137	1	0.78	0.78	0.41	0.41	0.47	81.77	18.23	100.00
3	28D	3137	1	0.88	0.88	0.32	0.33	0.44	88.24	11.76	100.00
3	39A	3130	2	1.32	1.32	0.49	0.49	0.42	72.30	27.67	99.97
3	39B	3130	1	0.95	0.96	0.21	0.20	0.40	94.79	5.21	100.00
3	39C	3130	1	0.75	0.76	0.43	0.43	0.55	83.64	16.36	100.00
3	39D	3130	1	0.89	0.89	0.32	0.32	0.45	89.01	10.99	100.00
4	1	3139	1	0.99	0.99	0.12	0.12	0.88	99.68	0.32	100.00
4	2A	3120	1	0.76	0.75	0.43	0.43	0.86	95.38	4.62	100.00
4	2B	3120	1	0.79	0.79	0.41	0.40	0.93	98.21	1.79	100.00
4	2C	3119	1	0.47	0.46	0.50	0.50	0.92	96.66	3.34	100.00
4	2D	3119	1	0.66	0.66	0.47	0.47	0.94	97.98	2.02	100.00
4	2E	3120	1	0.41	0.41	0.49	0.49	0.93	97.27	2.73	100.00
4	2F	3120	1	0.84	0.84	0.37	0.37	0.91	98.08	1.92	100.00
4	3A	3121	4	2.59	2.57	0.88	0.88	0.67	60.40	37.07	97.47
4	3B	3121	4	2.53	2.52	0.86	0.86	0.63	57.35	39.73	97.08
4	3C	3121	2	1.88	1.87	0.36	0.37	0.58	89.62	10.25	99.87
4	69	3095	4	2.68	2.67	0.77	0.77	0.66	72.23	27.26	99.49
4	92	2982	4	2.42	2.42	0.77	0.79	0.58	71.73	27.93	99.66
4	116	3061	4	2.47	2.48	0.80	0.82	0.63	69.49	29.56	99.05
5	1	3145	1	0.99	0.99	0.12	0.11	0.89	99.71	0.29	100.00
5	2A	3130	1	0.78	0.78	0.41	0.41	0.90	96.87	3.13	100.00
5	2B	3130	1	0.90	0.90	0.30	0.30	0.91	98.79	1.21	100.00
5	2C	3128	1	0.97	0.97	0.16	0.16	0.69	98.69	1.31	100.00
5	2D	3129	1	0.60	0.60	0.49	0.49	0.96	98.43	1.57	100.00
5	2E	3129	1	0.46	0.46	0.50	0.50	0.94	97.44	2.56	100.00
5	2F	3127	1	0.72	0.72	0.45	0.45	0.95	98.46	1.54	100.00
5	3A	3131	4	2.66	2.66	0.88	0.88	0.64	58.31	38.27	96.58
5	3B	3131	4	2.65	2.65	0.86	0.86	0.61	55.78	40.54	96.32
5	3C	3131	2	1.90	1.89	0.33	0.33	0.49	89.55	10.22	99.77
5	69	3104	4	2.82	2.82	0.74	0.75	0.66	70.32	29.42	99.74
5	93	3061	4	2.47	2.48	0.80	0.82	0.63	69.49	29.56	99.05
5	116	3081	4	2.73	2.72	0.81	0.82	0.65	69.01	30.41	99.42

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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	3120	1	0.99	0.99	0.11	0.11	0.95	99.87	0.13	100.00
6	2A	3104	1	0.15	0.16	0.36	0.36	0.94	99.07	0.93	100.00
6	2B	3103	1	0.68	0.68	0.47	0.47	0.94	97.90	2.10	100.00
6	2C	3103	1	0.75	0.75	0.43	0.43	0.93	97.94	2.06	100.00
6	2D	3102	1	0.38	0.38	0.48	0.49	0.91	96.26	3.74	100.00
6	2E	3103	1	0.59	0.59	0.49	0.49	0.96	98.77	1.23	100.00
6	2F	3103	1	0.09	0.09	0.29	0.28	0.90	98.77	1.23	100.00
6	3A	3100	4	3.07	3.07	0.83	0.83	0.62	61.55	36.19	97.74
6	3B	3100	4	2.99	2.99	0.87	0.87	0.65	59.77	37.52	97.29
6	3C	3100	2	1.91	1.91	0.32	0.32	0.53	91.10	8.74	99.84
6	73	3066	4	2.85	2.86	0.75	0.76	0.63	68.09	31.45	99.54
6	94	3081	4	2.73	2.72	0.81	0.82	0.65	69.01	30.41	99.42
6	116	3075	4	2.76	2.74	0.84	0.85	0.68	68.54	30.58	99.12
7	1	3028	1	0.99	0.99	0.11	0.12	0.92	99.80	0.20	100.00
7	2A	3013	1	0.93	0.92	0.26	0.27	0.87	98.64	1.36	100.00
7	2B	3013	1	0.87	0.86	0.34	0.34	0.85	96.81	3.19	100.00
7	2C	3013	1	0.45	0.45	0.50	0.50	0.92	96.55	3.45	100.00
7	2D	3012	1	0.21	0.21	0.41	0.41	0.94	98.37	1.63	100.00
7	2E	3011	1	0.91	0.91	0.29	0.29	0.84	97.81	2.19	100.00
7	2F	3012	1	0.44	0.44	0.50	0.50	0.96	98.51	1.49	100.00
7	3A	3013	4	2.17	2.18	1.10	1.10	0.80	65.60	31.94	97.54
7	3B	3012	4	2.45	2.46	0.80	0.79	0.64	62.78	35.23	98.01
7	3C	3012	2	1.87	1.87	0.34	0.35	0.49	88.15	11.82	99.97
7	70	2972	4	2.56	2.56	0.71	0.70	0.63	73.18	26.58	99.76
7	93	3066	4	2.85	2.86	0.75	0.76	0.63	68.09	31.45	99.54
7	116	2975	4	2.51	2.51	0.70	0.72	0.64	74.53	25.24	99.77
8	1	3011	1	0.99	0.99	0.11	0.11	0.96	99.90	0.10	100.00
8	2A	2991	1	0.79	0.80	0.40	0.40	0.87	96.42	3.58	100.00
8	2B	2991	1	0.83	0.83	0.38	0.38	0.85	96.12	3.88	100.00
8	2C	2991	1	0.69	0.69	0.46	0.46	0.97	99.20	0.80	100.00
8	2D	2991	1	0.77	0.77	0.42	0.42	0.92	97.79	2.21	100.00
8	2E	2991	1	0.63	0.64	0.48	0.48	0.92	96.76	3.24	100.00
8	2F	2991	1	0.62	0.62	0.49	0.49	0.91	96.32	3.68	100.00
8	3A	2987	4	2.61	2.63	0.82	0.82	0.60	59.54	37.78	97.32
8	3B	2987	4	2.64	2.66	0.78	0.78	0.59	59.58	38.45	98.03
8	3C	2987	2	1.92	1.93	0.28	0.27	0.42	91.13	8.84	99.97
8	75	2972	4	2.56	2.56	0.71	0.70	0.63	73.18	26.58	99.76
8	98	2891	4	2.50	2.51	0.76	0.74	0.58	72.48	27.13	99.61
8	116	2939	4	2.57	2.58	0.74	0.75	0.65	76.61	23.18	99.79

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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	3016	1	0.97	0.97	0.16	0.17	0.91	99.54	0.46	100.00
9	2A	2975	1	0.80	0.80	0.40	0.40	0.82	95.09	4.91	100.00
9	2B	2977	1	0.63	0.63	0.48	0.48	0.93	97.82	2.18	100.00
9	2C	2974	1	0.53	0.53	0.50	0.50	0.91	96.97	3.03	100.00
9	2D	2974	1	0.23	0.24	0.42	0.43	0.87	96.53	3.47	100.00
9	2E	2976	1	0.64	0.64	0.48	0.48	0.95	98.96	1.04	100.00
9	2F	2974	1	0.53	0.53	0.50	0.50	0.94	98.49	1.51	100.00
9	3A	2975	4	2.70	2.69	0.78	0.78	0.65	69.39	29.53	98.92
9	3B	2975	4	2.70	2.70	0.76	0.76	0.64	68.38	30.71	99.09
9	3C	2975	2	1.92	1.91	0.29	0.29	0.48	91.39	8.58	99.97
9	72	2903	4	2.71	2.71	0.78	0.78	0.61	73.03	26.46	99.49
9	94	2865	4	2.42	2.42	0.79	0.80	0.60	77.00	22.69	99.69
9	116	2939	4	2.57	2.58	0.74	0.75	0.65	76.61	23.18	99.79
10	1	2930	1	0.95	0.96	0.21	0.21	0.92	99.28	0.72	100.00
10	2A	2855	1	0.67	0.68	0.47	0.47	0.92	99.05	0.95	100.00
10	2B	2855	1	0.69	0.69	0.46	0.46	0.90	98.04	1.96	100.00
10	2C	2855	1	0.76	0.76	0.43	0.43	0.87	97.51	2.49	100.00
10	2D	2854	1	0.78	0.78	0.41	0.41	0.88	98.21	1.79	100.00
10	2E	2849	1	0.38	0.38	0.49	0.48	0.89	97.15	2.85	100.00
10	2F	2853	1	0.82	0.82	0.38	0.38	0.84	97.26	2.74	100.00
10	3A	2850	4	2.69	2.71	0.92	0.93	0.60	55.38	41.84	97.22
10	3B	2849	4	2.67	2.69	0.91	0.92	0.58	53.38	42.79	96.17
10	3C	2849	2	1.79	1.79	0.43	0.42	0.45	80.20	19.73	99.93
10	71	2903	4	2.71	2.71	0.78	0.78	0.61	73.03	26.46	99.49
10	95	2730	4	2.48	2.49	0.79	0.79	0.58	77.14	22.64	99.78
10	116	2746	4	2.62	2.59	0.82	0.81	0.57	74.08	25.30	99.38

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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	3263	2	0.96	0.97	0.63	0.61	0.84	89.43	10.36	99.79
3	9	3257	2	1.08	1.08	0.84	0.84	0.88	88.54	10.41	98.95
3	14	3261	2	1.23	1.23	0.81	0.81	0.91	90.95	8.77	99.72
3	20	3261	2	1.50	1.51	0.69	0.69	0.91	94.08	5.67	99.75
3	25	3257	2	1.06	1.05	0.85	0.86	0.94	93.37	6.54	99.91
3	30	3235	2	0.74	0.75	0.74	0.75	0.91	95.02	4.95	99.97
3	37	3258	2	1.50	1.50	0.66	0.66	0.86	90.18	9.61	99.79
3	40	3261	3	1.94	1.93	0.93	0.93	0.90	87.03	12.63	99.66
4	3	3127	2	1.47	1.47	0.75	0.74	0.94	97.38	2.62	100.00
4	7	3136	3	2.73	2.73	0.56	0.57	0.82	92.92	6.92	99.84
4	14	3133	3	2.21	2.21	0.78	0.79	0.81	83.52	15.87	99.39
4	18	3261	2	1.23	1.23	0.81	0.81	0.91	90.95	8.77	99.72
4	23	3128	4	2.01	2.01	1.19	1.19	0.93	92.04	7.77	99.81
4	27	3135	3	1.93	1.93	1.06	1.06	0.92	89.28	10.14	99.42
4	30	3121	2	0.80	0.80	0.84	0.85	0.89	88.95	10.73	99.68
4	35	3235	2	0.74	0.75	0.74	0.75	0.91	95.02	4.95	99.97
4	41	3261	2	1.50	1.51	0.69	0.69	0.91	94.08	5.67	99.75
4	46	3133	4	2.80	2.82	1.51	1.50	0.90	81.45	14.37	95.82
4	53	3084	2	1.41	1.41	0.84	0.84	0.88	95.04	4.14	99.18
4	58	3127	3	1.72	1.72	1.17	1.17	0.91	85.89	13.02	98.91
4	61	3128	2	1.27	1.26	0.82	0.82	0.90	90.51	9.34	99.85
4	67	3121	3	0.74	0.74	1.02	1.02	0.85	83.85	13.97	97.82
4	69	3136	4	2.23	2.24	1.46	1.45	0.94	89.64	8.96	98.60
5	6	3114	3	2.10	2.09	1.00	1.00	0.88	82.24	16.74	98.98
5	8	3108	2	1.55	1.54	0.72	0.73	0.88	90.09	9.52	99.61
5	11	3100	3	1.22	1.21	1.13	1.15	0.84	71.72	25.79	97.51
5	14	3107	3	1.92	1.93	0.85	0.85	0.78	74.11	25.21	99.32
5	23	3103	4	2.12	2.11	1.11	1.10	0.89	85.78	13.41	99.19
5	26	3121	2	0.80	0.80	0.84	0.85	0.89	88.95	10.73	99.68
5	31	3127	3	1.72	1.72	1.17	1.17	0.91	85.89	13.02	98.91
5	36	3106	2	1.21	1.20	0.76	0.77	0.88	90.37	9.11	99.48
5	43	3105	3	1.00	1.00	1.18	1.18	0.92	87.59	11.41	99.00
5	46	3105	4	2.35	2.35	1.21	1.18	0.82	66.67	30.69	97.36
5	49	3110	2	1.11	1.11	0.93	0.93	0.92	90.12	9.46	99.58
5	54	3103	2	0.96	0.96	0.93	0.93	0.93	91.81	8.02	99.83
5	59	3103	2	1.32	1.32	0.76	0.75	0.85	86.33	13.48	99.81
5	63	3113	3	1.75	1.74	0.96	0.97	0.90	85.74	14.17	99.91
5	69	3136	4	2.23	2.24	1.46	1.45	0.94	89.64	8.96	98.60

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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	3027	2	0.78	0.78	0.69	0.70	0.77	79.68	20.22	99.90
6	11	3020	3	2.39	2.38	0.80	0.79	0.80	82.63	16.57	99.20
6	13	3012	2	0.61	0.62	0.82	0.82	0.86	90.03	8.47	98.50
6	17	2947	3	1.47	1.48	0.99	1.00	0.81	83.80	15.69	99.49
6	20	3016	4	2.53	2.52	1.02	1.02	0.86	83.55	16.08	99.63
6	23	3027	2	1.59	1.60	0.60	0.60	0.84	90.25	9.68	99.93
6	27	3014	3	0.91	0.90	1.02	1.02	0.93	93.39	6.41	99.80
6	33	3021	2	1.24	1.24	0.85	0.85	0.86	92.09	4.40	96.49
6	36	3021	3	2.32	2.30	0.98	0.99	0.85	85.37	11.95	97.32
6	40	3011	4	1.35	1.33	1.02	1.00	0.78	78.52	18.25	96.77
6	46	3020	2	1.34	1.34	0.69	0.70	0.79	82.65	16.99	99.64
6	51	3105	3	1.00	1.00	1.18	1.18	0.92	87.59	11.41	99.00
6	53	3114	3	2.10	2.09	1.00	1.00	0.88	82.24	16.74	98.98
6	57	3110	2	1.11	1.11	0.93	0.93	0.92	90.12	9.46	99.58
6	60	3012	4	2.16	2.17	1.42	1.43	0.90	78.67	19.87	98.54
7	3	3010	2	0.36	0.35	0.60	0.60	0.77	90.53	9.38	99.91
7	6	3077	3	2.00	2.00	0.92	0.92	0.93	92.92	6.76	99.68
7	11	3009	2	0.58	0.58	0.67	0.67	0.81	91.92	7.61	99.53
7	15	3014	3	0.91	0.90	1.02	1.02	0.93	93.39	6.41	99.80
7	20	3003	4	1.29	1.28	1.25	1.25	0.84	89.54	10.00	99.54
7	23	3034	2	0.53	0.54	0.83	0.83	0.90	94.79	4.81	99.60
7	26	3021	3	2.32	2.30	0.98	0.99	0.85	85.37	11.95	97.32
7	30	3021	2	1.24	1.24	0.85	0.85	0.86	92.09	4.40	96.49
7	34	3070	3	1.45	1.44	1.07	1.07	0.95	95.37	4.40	99.77
7	40	3064	4	1.14	1.14	1.56	1.56	0.93	89.88	7.41	97.29
7	43	3016	2	0.64	0.64	0.86	0.86	0.91	96.15	3.82	99.97
7	48	3063	3	2.15	2.17	0.84	0.84	0.89	91.28	8.59	99.87
7	51	3062	2	1.21	1.21	0.66	0.66	0.86	91.28	8.59	99.87
7	56	3053	3	1.12	1.12	0.86	0.86	0.80	81.72	17.27	98.99
7	60	3014	4	1.41	1.41	1.17	1.17	0.80	77.34	21.30	98.64
8	4	3016	2	0.64	0.64	0.86	0.86	0.91	96.15	3.82	99.97
8	9	2964	3	1.50	1.49	0.88	0.87	0.77	78.19	20.36	98.55
8	14	2852	2	0.44	0.44	0.79	0.79	0.79	92.38	6.21	98.59
8	18	2929	3	0.69	0.69	0.84	0.83	0.66	71.54	25.83	97.37
8	20	2802	4	1.06	1.08	1.27	1.28	0.73	79.79	18.32	98.11
8	25	2970	2	0.99	0.99	0.71	0.71	0.88	92.15	7.85	100.00
8	27	3063	3	2.15	2.17	0.84	0.84	0.89	91.28	8.59	99.87
8	30	2944	2	0.92	0.94	0.82	0.83	0.76	78.42	19.74	98.16
8	35	2963	3	1.44	1.44	1.15	1.16	0.84	76.15	21.93	98.08
8	40	2972	4	1.29	1.30	1.31	1.30	0.86	73.65	24.46	98.11
8	44	3010	2	0.36	0.35	0.60	0.60	0.77	90.53	9.38	99.91
8	47	2966	3	1.28	1.27	0.80	0.80	0.78	81.46	17.70	99.16
8	50	2957	2	0.45	0.45	0.70	0.70	0.88	93.94	5.92	99.86
8	53	2953	3	1.73	1.73	1.00	1.00	0.88	90.96	8.71	99.67
8	60	2968	4	2.69	2.70	1.13	1.13	0.85	80.15	18.97	99.12

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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	2970	2	0.99	0.99	0.71	0.71	0.88	92.15	7.85	100.00
9	7	2884	3	1.22	1.21	1.29	1.29	0.85	88.48	9.16	97.64
9	10	2852	2	0.44	0.44	0.79	0.79	0.79	92.38	6.21	98.59
9	14	2923	3	0.64	0.63	0.92	0.91	0.72	81.41	15.06	96.47
9	20	2942	4	1.65	1.65	1.17	1.16	0.76	66.24	30.67	96.91
9	23	2883	2	0.52	0.52	0.75	0.75	0.77	87.28	12.13	99.41
9	28	2913	3	0.60	0.60	0.85	0.85	0.71	76.19	22.81	99.00
9	32	2626	2	0.28	0.28	0.50	0.50	0.56	91.75	8.25	100.00
9	34	2823	3	0.70	0.71	0.87	0.87	0.70	85.49	14.15	99.64
9	40	2921	4	0.90	0.91	1.15	1.15	0.83	90.99	8.26	99.25
9	46	2955	2	0.74	0.74	0.83	0.83	0.92	95.33	4.64	99.97
9	49	2892	3	1.07	1.08	1.24	1.25	0.86	89.62	9.28	98.90
9	51	2922	2	1.23	1.22	0.83	0.83	0.86	90.52	9.31	99.83
9	53	2917	3	0.82	0.83	0.77	0.78	0.57	66.43	29.84	96.27
9	60	2863	4	1.50	1.50	1.42	1.42	0.79	81.88	15.04	96.92
10	4	2626	2	0.28	0.28	0.50	0.50	0.56	91.75	8.25	100.00
10	7	2800	3	0.68	0.68	0.91	0.91	0.75	79.92	19.11	99.03
10	12	2720	2	0.95	0.95	0.81	0.81	0.80	92.57	7.40	99.97
10	17	2791	3	1.05	1.05	1.07	1.06	0.85	93.37	6.02	99.39
10	20	2807	4	2.16	2.19	1.15	1.15	0.74	68.38	28.41	96.79
10	25	2802	2	1.34	1.35	0.67	0.65	0.66	78.14	21.07	99.21
10	29	2796	3	1.17	1.17	0.74	0.74	0.75	91.34	8.52	99.86
10	32	2883	2	0.52	0.52	0.75	0.75	0.77	87.28	12.13	99.41
10	35	2797	3	1.70	1.70	1.01	1.01	0.81	85.12	14.34	99.46
10	40	2768	4	0.89	0.89	0.99	0.97	0.69	76.33	22.55	98.88
10	44	2809	2	0.91	0.91	0.81	0.81	0.89	95.79	4.14	99.93
10	48	2729	3	1.33	1.33	1.18	1.19	0.80	87.79	10.52	98.31
10	52	2714	2	0.65	0.66	0.90	0.90	0.84	96.39	2.99	99.38
10	54	2740	3	1.10	1.09	1.17	1.16	0.81	85.24	14.13	99.37
10	60	2753	4	1.34	1.34	1.40	1.41	0.80	79.46	18.90	98.36

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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	9	3147	2	0.62	0.64	0.68	0.69	0.79	84.14	15.19	99.33
5	21	3156	1	0.80	0.80	0.40	0.40	0.76	92.55	7.45	100.00
5	22	3138	1	0.52	0.52	0.50	0.50	0.88	94.96	5.04	100.00
5	23	3139	2	1.09	1.10	0.74	0.74	0.87	89.54	10.23	99.77
5	24	3146	2	1.17	1.16	0.75	0.75	0.83	84.55	15.14	99.69
5	25	3138	1	0.66	0.65	0.47	0.48	0.74	88.91	11.09	100.00
5	31	3135	2	1.13	1.12	0.77	0.77	0.75	76.25	22.79	99.04
5	35	3109	2	0.46	0.46	0.64	0.66	0.80	88.32	11.48	99.80
5	38	3137	1	0.60	0.59	0.49	0.49	0.73	87.57	12.43	100.00
5	42	3138	2	1.41	1.39	0.76	0.77	0.79	82.02	16.70	98.72
5	45	3145	2	0.91	0.90	0.73	0.73	0.90	92.97	6.84	99.81
5	47	3136	2	1.29	1.29	0.79	0.79	0.83	83.99	15.40	99.39
5	54	3139	2	1.05	1.04	0.95	0.95	0.93	93.21	6.02	99.23
5	59	3144	2	1.01	1.00	0.78	0.78	0.89	89.03	10.91	99.94
5	62	3141	2	1.24	1.23	0.76	0.77	0.87	88.40	11.28	99.68
5	65	3128	1	0.37	0.36	0.48	0.48	0.82	92.58	7.42	100.00
5	70	3122	2	0.91	0.93	0.78	0.80	0.77	77.06	22.27	99.33
5	75	3140	2	1.49	1.49	0.68	0.68	0.92	95.61	4.39	100.00
8	3	2649	2	0.83	0.86	0.79	0.79	0.67	72.56	24.38	96.94
8	14	2667	1	0.26	0.26	0.44	0.44	0.65	86.99	13.01	100.00
8	20	2648	1	0.55	0.53	0.50	0.50	0.71	86.66	13.34	100.00
8	21	2661	1	0.68	0.68	0.47	0.46	0.58	82.43	17.57	100.00
8	22	2648	2	1.29	1.30	0.78	0.78	0.80	83.98	15.04	99.02
8	23	2653	1	0.67	0.68	0.47	0.47	0.71	88.39	11.61	100.00
8	24	2642	4	2.08	2.08	1.47	1.48	0.85	77.13	19.05	96.18
8	25	2608	2	1.19	1.19	0.81	0.81	0.69	73.84	23.82	97.66
8	29	2626	1	0.26	0.24	0.44	0.43	0.59	85.75	14.25	100.00
8	35	2645	2	0.79	0.78	0.63	0.64	0.72	84.20	15.16	99.36
8	38	2633	1	0.42	0.42	0.49	0.49	0.82	93.54	6.46	100.00
8	43	2661	1	0.54	0.56	0.50	0.50	0.66	83.77	16.23	100.00
8	45	2500	1	0.29	0.29	0.45	0.45	0.82	98.60	1.40	100.00
8	49	2642	2	0.83	0.85	0.60	0.61	0.67	80.72	18.83	99.55
8	55	2611	2	0.71	0.72	0.78	0.77	0.77	83.67	15.71	99.38
8	58	2609	1	0.24	0.23	0.43	0.42	0.68	90.22	9.78	100.00
8	59	2648	3	2.00	2.00	1.00	0.99	0.84	83.67	15.99	99.66
8	64	2641	2	0.63	0.63	0.60	0.60	0.83	94.32	5.68	100.00
8	67	2620	2	1.09	1.08	0.84	0.84	0.76	79.47	18.73	98.20
8	72	2586	2	0.39	0.38	0.61	0.60	0.72	89.86	9.79	99.65
8	75	2660	2	0.83	0.82	0.76	0.76	0.85	88.01	11.88	99.89
8	81	2626	1	0.36	0.36	0.48	0.48	0.83	94.63	5.37	100.00
8	83	2651	2	0.90	0.91	0.50	0.51	0.77	93.13	6.87	100.00

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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	10	2782	2	0.55	0.56	0.66	0.66	0.73	85.80	13.84	99.64
10	21	2792	4	2.27	2.28	1.27	1.27	0.81	84.30	13.66	97.96
10	22	2755	2	0.93	0.94	0.85	0.85	0.84	92.59	7.12	99.71
10	23	2723	1	0.55	0.55	0.50	0.50	0.72	89.67	10.33	100.00
10	24	2706	3	2.01	1.97	1.00	1.02	0.67	71.73	24.98	96.71
10	25	2734	1	0.35	0.36	0.48	0.48	0.68	88.46	11.54	100.00
10	26	2723	1	0.53	0.53	0.50	0.50	0.59	82.08	17.92	100.00
10	27	2709	1	0.49	0.48	0.50	0.50	0.67	87.46	12.54	100.00
10	32	2720	2	1.07	1.05	0.70	0.70	0.59	73.84	24.65	98.49
10	34	2740	1	0.37	0.38	0.48	0.48	0.77	93.27	6.73	100.00
10	39	2739	1	0.29	0.30	0.45	0.46	0.80	95.83	4.17	100.00
10	40	2553	2	0.55	0.56	0.81	0.81	0.72	95.74	4.06	99.80
10	41	2751	1	0.34	0.34	0.48	0.48	0.64	85.93	14.07	100.00
10	45	2302	2	0.16	0.17	0.38	0.38	0.46	92.10	7.82	99.92
10	48	2613	2	0.36	0.36	0.55	0.55	0.63	93.98	5.86	99.84
10	51	2726	2	0.95	0.96	0.89	0.88	0.74	80.41	17.82	98.23
10	67	2717	1	0.18	0.18	0.39	0.38	0.64	92.08	7.92	100.00
10	68	2626	2	0.49	0.47	0.70	0.69	0.61	78.20	21.41	99.61
10	73	2713	1	0.65	0.65	0.48	0.48	0.73	91.66	8.34	100.00
10	76	2744	2	0.84	0.83	0.77	0.77	0.78	88.23	11.52	99.75
10	81	2700	2	0.58	0.58	0.68	0.67	0.60	77.21	21.31	98.52
10	82	2760	2	1.12	1.12	0.78	0.78	0.83	94.34	5.55	99.89
10	83	2746	2	0.73	0.73	0.64	0.63	0.73	90.08	9.70	99.78

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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	236	3	1.81	1.81	1.22	1.21	0.93	96.61	3.39	100.00
3	2	234	3	1.83	1.78	1.33	1.33	0.89	91.45	6.41	97.86
3	8	232	2	1.24	1.23	0.76	0.77	0.83	90.95	9.05	100.00
3	17	230	3	1.84	1.86	1.06	0.98	0.73	70.87	27.83	98.70
3	25	238	2	1.49	1.41	0.75	0.78	0.72	77.22	20.68	97.90
3	26	233	2	0.96	0.89	0.96	0.95	0.79	87.12	7.73	94.85
3	32	236	3	1.17	1.18	0.89	0.90	0.88	96.61	3.39	100.00
3	36	235	2	1.01	1.03	0.81	0.80	0.64	66.95	30.47	97.42
4	13	17	3	1.00	1.00	1.00	1.00	0.60	100.00	0.00	100.00
4	14	17	2	0.35	0.35	0.49	0.49	0.55	100.00	0.00	100.00
4	29	17	3	2.00	1.94	1.12	1.20	0.63	94.12	5.88	100.00
4	31	17	2	0.59	0.59	0.87	0.87	0.67	100.00	0.00	100.00
4	33	17	3	1.06	1.00	1.03	1.00	0.60	94.12	5.88	100.00
4	34	17	3	1.06	1.06	1.20	1.20	0.65	100.00	0.00	100.00
4	42	17	2	0.35	0.35	0.70	0.70	0.62	100.00	0.00	100.00
4	44	17	2	1.18	1.24	0.81	0.75	0.62	94.12	5.88	100.00
4	45	17	3	0.76	0.76	0.83	0.83	0.57	100.00	0.00	100.00
4	97	17	2	0.65	0.71	0.70	0.69	0.59	94.12	5.88	100.00
4	98	17	3	1.12	1.12	1.11	1.11	0.63	100.00	0.00	100.00
4	100	17	2	0.41	0.41	0.51	0.51	0.55	100.00	0.00	100.00
4	108	17	2	1.41	1.41	0.80	0.80	0.65	100.00	0.00	100.00
4	116	17	3	1.12	1.18	0.93	0.88	0.57	94.12	5.88	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	237	1	0.79	0.78	0.41	0.42	0.85	97.05	2.95	100.00
3	4B	237	1	0.22	0.23	0.41	0.42	0.85	96.62	3.38	100.00
3	4C	237	1	0.63	0.63	0.48	0.48	0.87	96.20	3.80	100.00
3	4D	237	1	0.62	0.60	0.49	0.49	0.88	96.20	3.80	100.00
3	4E	237	1	0.50	0.50	0.50	0.50	0.92	98.31	1.69	100.00
3	4F	237	1	0.78	0.77	0.41	0.42	0.73	91.98	8.02	100.00
3	16A	236	2	1.18	1.22	0.56	0.55	0.57	78.30	21.28	99.58
3	16B	236	1	0.85	0.89	0.36	0.32	0.48	88.51	11.49	100.00
3	16C	236	1	0.76	0.82	0.43	0.39	0.51	84.26	15.74	100.00
3	16D	236	1	0.91	0.93	0.29	0.26	0.57	94.47	5.53	100.00
3	27A	233	2	1.09	1.12	0.68	0.68	0.64	78.11	20.60	98.71
3	27B	233	1	0.72	0.74	0.45	0.44	0.62	87.12	12.88	100.00
3	27C	233	1	0.65	0.65	0.48	0.48	0.49	78.11	21.89	100.00
3	27D	233	1	0.79	0.78	0.41	0.42	0.67	90.99	9.01	100.00
3	39A	232	2	1.15	1.07	0.68	0.65	0.39	55.46	42.36	97.82
3	39B	232	1	0.72	0.72	0.45	0.45	0.34	74.12	25.88	100.00
3	39C	232	1	0.72	0.75	0.45	0.44	0.45	80.26	19.74	100.00
3	39D	232	1	0.82	0.83	0.38	0.38	0.41	84.21	15.79	100.00
4	1	21	1	0.81	0.90	0.40	0.30	0.62	90.48	9.52	100.00
4	2A	17	1	0.94	0.94	0.24	0.24	0.54	100.00	0.00	100.00
4	2B	17	1	0.65	0.65	0.49	0.49	0.70	100.00	0.00	100.00
4	2C	17	1	0.71	0.71	0.47	0.47	0.69	100.00	0.00	100.00
4	2D	17	1	0.53	0.53	0.51	0.51	0.72	100.00	0.00	100.00
4	2E	17	1	0.47	0.53	0.51	0.51	0.65	94.12	5.88	100.00
4	2F	17	1	0.18	0.18	0.39	0.39	0.64	100.00	0.00	100.00
4	3A	17	4	0.76	0.76	0.97	0.97	0.54	100.00	0.00	100.00
4	3B	17	4	1.35	1.35	0.86	0.86	0.51	88.24	11.76	100.00
4	3C	17	2	0.76	0.88	0.44	0.33	0.46	88.24	11.76	100.00
4	25	17	4	1.24	1.24	1.15	1.20	0.56	88.24	11.76	100.00
4	63	16	4	2.00	2.00	1.32	1.32	0.56	100.00	0.00	100.00
4	90	16	4	1.88	1.81	0.96	0.98	0.50	93.75	6.25	100.00

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Table 17. Rater Severity/Leniency Study Results

Content Area	Grade	2010/2011 Item Number	2012 Item Number	Valid N	Mean 2010/ 2011	Mean 2012	Mean Difference	STD 2010/ 2011	STD 2012	% Adjacent	% Exact	% Discrepant	Corr	Intra Class Corr	Wtd Kappa
Reading	**3**	**20**	**20**	**1008**	**1.18**	**1.15**	**0.03**	**0.78**	**0.80**	**29.46**	**68.45**	**2.08**	**0.70**	**0.85**	**0.70**
Reading	**3**	**27**	**27**	**995**	**0.71**	**0.83**	**-0.12**	**0.64**	**0.69**	**29.15**	**69.85**	**1.01**	**0.65**	**0.81**	**0.63**
Reading	4	15	18	1008	0.88	1.00	-0.12	0.65	0.71	32.34	67.26	0.40	0.66	0.82	0.64
Reading	**4**	**109**	**109**	**1048**	**1.13**	**1.54**	**-0.41**	**0.76**	**0.88**	**36.45**	**57.44**	**6.11**	**0.67**	**0.78**	**0.59**
Reading	**5**	**8**	**14**	**1045**	**1.07**	**1.09**	**-0.02**	**0.93**	**0.89**	**32.06**	**66.51**	**1.44**	**0.77**	**0.88**	**0.77**
Reading	5	23	21	1000	0.78	0.93	-0.15	0.65	0.72	34.70	64.50	0.80	0.63	0.80	0.61
Reading	**6**	**24**	**18**	**1042**	**1.11**	**0.97**	**0.14**	**0.71**	**0.77**	**30.42**	**68.43**	**1.15**	**0.70**	**0.84**	**0.69**
Reading	**6**	**112**	**99**	**1052**	**1.32**	**1.38**	**-0.06**	**0.72**	**0.87**	**33.65**	**64.07**	**2.28**	**0.67**	**0.83**	**0.66**
Reading	**7**	**24**	**25**	**978**	**1.56**	**1.38**	**0.18**	**0.89**	**0.87**	**31.08**	**64.62**	**4.29**	**0.69**	**0.84**	**0.68**
Reading	**7**	**113**	**106**	**979**	**0.94**	**0.95**	**-0.01**	**0.78**	**0.75**	**18.18**	**81.51**	**0.31**	**0.84**	**0.92**	**0.84**
Reading	**8**	**15**	**30**	**993**	**1.64**	**1.40**	**0.24**	**0.88**	**0.83**	**33.43**	**64.05**	**2.52**	**0.74**	**0.85**	**0.71**
Reading	**8**	**109**	**110**	**968**	**1.95**	**1.89**	**0.06**	**1.09**	**1.09**	**20.35**	**74.59**	**5.06**	**0.82**	**0.91**	**0.82**
Reading	**9**	**93**	**96**	**973**	**1.42**	**1.69**	**-0.27**	**0.98**	**0.80**	**39.26**	**56.42**	**4.32**	**0.70**	**0.82**	**0.66**
Reading	9	112	112	921	1.36	1.28	0.08	0.88	0.77	40.07	57.11	2.82	0.63	0.81	0.62
Reading	**10**	**37**	**47**	**946**	**2.33**	**2.36**	**-0.03**	**0.91**	**0.89**	**23.04**	**73.78**	**3.17**	**0.77**	**0.88**	**0.77**
Reading	10	112	104	986	1.52	1.41	0.11	0.91	0.80	42.19	54.87	2.94	0.64	0.82	0.63
Writing	**3**	**27A**	**39A**	**1032**	**1.34**	**1.24**	**0.10**	**0.52**	**0.45**	**22.97**	**76.94**	**0.10**	**0.54**	**0.76**	**0.52**
Writing	**3**	**27B**	**39B**	**1032**	**0.97**	**0.97**	**0.00**	**0.18**	**0.17**	**2.91**	**97.09**	**0.00**	**0.53**	**0.77**	**0.53**
Writing	**3**	**27C**	**39C**	**1032**	**0.77**	**0.71**	**0.06**	**0.42**	**0.45**	**14.53**	**85.47**	**0.00**	**0.63**	**0.81**	**0.62**
Writing	**3**	**27D**	**39D**	**1032**	**0.84**	**0.84**	**0.00**	**0.37**	**0.37**	**10.08**	**89.92**	**0.00**	**0.63**	**0.81**	**0.63**
Writing	4	23	116	998	2.36	2.44	-0.08	0.84	0.87	32.57	65.53	1.90	0.70	0.85	0.70
Writing	5	94	93	1015	2.49	2.51	-0.02	0.78	0.84	29.85	69.26	0.89	0.74	0.87	0.74
Writing	6	92	94	992	2.57	2.60	-0.03	0.77	0.83	31.45	67.84	0.71	0.73	0.86	0.73
Writing	7	89	93	1049	2.51	2.58	-0.07	0.71	0.80	31.36	67.78	0.86	0.69	0.84	0.68
Writing	**8**	**94**	**98**	**988**	**2.50**	**2.42**	**0.08**	**0.72**	**0.76**	**26.01**	**73.68**	**0.30**	**0.76**	**0.88**	**0.75**

* Items from 2011 are in bold.

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

Content Area	Grade	2010/2011 Item Number	2012 Item Number	Valid N	Mean 2010/ 2011	Mean 2012	Mean Difference	STD 2010/ 2011	STD 2012	% Adjacent	% Exact	% Discrepant	Corr	Intra Class Corr	Wtd Kappa
Writing	**9**	**116**	**94**	**976**	**2.51**	**2.44**	**0.07**	**0.76**	**0.81**	**28.69**	**71.31**	**0.00**	**0.77**	**0.88**	**0.77**
Writing	**10**	**116**	**116**	**951**	**2.62**	**2.56**	**0.06**	**0.76**	**0.78**	**25.13**	**73.71**	**1.16**	**0.74**	**0.87**	**0.74**
Mathematics	**3**	**10**	**9**	**977**	**1.15**	**1.14**	**0.01**	**0.83**	**0.83**	**10.44**	**88.64**	**0.92**	**0.90**	**0.95**	**0.90**
Mathematics	**4**	**23**	**23**	**1065**	**2.07**	**2.12**	**-0.05**	**1.20**	**1.19**	**8.64**	**90.89**	**0.47**	**0.96**	**0.98**	**0.96**
Mathematics	4	33	35	1008	0.82	0.83	-0.01	0.79	0.79	4.07	95.93	0.00	0.97	0.98	0.97
Mathematics	4	65	58	1016	1.65	1.59	0.06	1.22	1.22	13.68	85.24	1.08	0.94	0.97	0.94
Mathematics	5	20	11	1024	0.97	1.21	-0.24	1.06	1.14	27.73	68.36	3.91	0.84	0.91	0.82
Mathematics	5	27	26	1024	0.94	0.91	0.03	0.87	0.85	9.96	89.94	0.10	0.93	0.97	0.93
Mathematics	5	46	46	1006	2.24	2.31	-0.07	1.16	1.12	33.20	64.41	2.39	0.84	0.92	0.83
Mathematics	**6**	**15**	**17**	**1023**	**1.34**	**1.33**	**0.01**	**0.98**	**0.95**	**17.60**	**81.43**	**0.98**	**0.89**	**0.94**	**0.88**
Mathematics	6	33	33	1034	1.31	1.27	0.04	0.80	0.81	8.41	88.39	3.19	0.84	0.92	0.84
Mathematics	**6**	**40**	**40**	**1034**	**1.16**	**1.26**	**-0.10**	**0.99**	**1.09**	**18.57**	**76.89**	**4.55**	**0.83**	**0.91**	**0.82**
Mathematics	**7**	**20**	**20**	**1005**	**1.05**	**1.07**	**-0.02**	**1.12**	**1.11**	**12.94**	**85.87**	**1.19**	**0.93**	**0.96**	**0.93**
Mathematics	**7**	**23**	**23**	**1024**	**0.39**	**0.38**	**0.01**	**0.74**	**0.72**	**4.88**	**94.82**	**0.29**	**0.94**	**0.97**	**0.94**
Mathematics	**7**	**34**	**34**	**1039**	**1.28**	**1.30**	**-0.02**	**1.05**	**1.06**	**3.95**	**95.67**	**0.38**	**0.97**	**0.99**	**0.97**
Mathematics	8	17	14	969	0.29	0.32	-0.03	0.69	0.72	1.96	95.56	2.48	0.88	0.94	0.88
Mathematics	**8**	**48**	**47**	**1059**	**1.23**	**1.24**	**-0.01**	**0.74**	**0.72**	**14.54**	**84.80**	**0.66**	**0.84**	**0.92**	**0.84**
Mathematics	**8**	**60**	**60**	**1057**	**2.66**	**2.66**	**0.00**	**1.15**	**1.18**	**19.21**	**79.47**	**1.32**	**0.91**	**0.95**	**0.91**
Mathematics	**9**	**20**	**20**	**1031**	**1.71**	**1.68**	**0.03**	**1.19**	**1.20**	**26.96**	**70.71**	**2.33**	**0.87**	**0.94**	**0.87**
Mathematics	**9**	**49**	**49**	**1006**	**1.26**	**1.24**	**0.02**	**1.28**	**1.30**	**11.43**	**86.58**	**1.99**	**0.94**	**0.97**	**0.94**
Mathematics	**9**	**51**	**51**	**1015**	**1.28**	**1.26**	**0.02**	**0.82**	**0.84**	**11.23**	**88.67**	**0.10**	**0.92**	**0.96**	**0.92**
Mathematics	**10**	**25**	**25**	**1018**	**1.27**	**1.33**	**-0.06**	**0.67**	**0.69**	**21.32**	**78.19**	**0.49**	**0.75**	**0.87**	**0.75**
Mathematics	**10**	**34**	**35**	**1012**	**1.79**	**1.81**	**-0.02**	**1.04**	**1.04**	**14.13**	**85.08**	**0.79**	**0.92**	**0.96**	**0.92**
Mathematics	**10**	**60**	**60**	**989**	**1.59**	**1.36**	**0.23**	**1.34**	**1.42**	**28.72**	**69.06**	**2.22**	**0.92**	**0.95**	**0.90**
Science	5	25	25	1042	0.70	0.70	0.00	0.46	0.46	11.13	88.87	0.00	0.73	0.87	0.73

* Items from 2011 are in bold.

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

Content Area	Grade	2010/2011 Item Number	2012 Item Number	Valid N	Mean 2010/ 2011	Mean 2012	Mean Difference	STD 2010/ 2011	STD 2012	% Adjacent	% Exact	% Discrepant	Corr	Intra Class Corr	Wtd Kappa
Science	5	46	62	1038	1.28	1.36	-0.08	0.73	0.74	13.01	86.71	0.29	0.87	0.93	0.87
Science	8	24	24	1024	2.17	2.17	0.00	1.49	1.48	27.15	66.41	6.45	0.86	0.93	0.86
Science	**8**	**44**	**59**	**1013**	**2.03**	**2.04**	**-0.01**	**0.94**	**0.94**	**20.73**	**78.58**	**0.69**	**0.87**	**0.93**	**0.87**
Science	**8**	**83**	**83**	**1018**	**0.94**	**0.91**	**0.03**	**0.50**	**0.50**	**8.74**	**91.26**	**0.00**	**0.83**	**0.91**	**0.82**
Science	**10**	**9**	**10**	**1028**	**0.61**	**0.57**	**0.04**	**0.70**	**0.67**	**20.82**	**78.70**	**0.49**	**0.76**	**0.88**	**0.76**
Science	10	21	21	967	2.25	2.38	-0.13	1.36	1.29	21.72	74.15	4.14	0.89	0.94	0.88
Science	10	23	23	947	0.57	0.61	-0.04	0.50	0.49	10.45	89.55	0.00	0.79	0.89	0.78
Science	10	24	24	945	2.13	1.96	0.17	0.99	1.03	29.31	64.66	6.03	0.73	0.86	0.72

* Items from 2011 are in bold.

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Table 18. Tested Population Demographic Distribution – Reading

	Grade							
Subgroup	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
No Disability	57340	56810	56090	55915	54961	54222	54207	51982
Disability	5769	6103	6234	5864	5603	5256	4921	4321
No IEP	57332	56808	56085	55915	54964	54214	54197	51981
IEP	5764	6097	6233	5860	5597	5250	4913	4318
No Accommodation	48725	47064	46730	48852	49586	48875	51211	49035
Accommodation	10039	11720	11294	8690	6645	6188	3586	3026
Am. Indian/Alaska Native	476	475	521	520	507	514	489	488
Asian	2109	2108	1995	1922	1860	1860	1841	1802
Black	2919	2886	2845	2949	2966	2980	2850	2738
Hispanic	20121	20658	20214	20079	19228	18405	17840	16125
White	35224	34659	34587	34278	34018	33849	34259	33389
Hawaiian/Pacific Islander	150	113	122	126	154	121	151	133
Two or More Races	2108	2014	2040	1907	1830	1747	1696	1624
Not Free Lunch Eligible	35306	34766	34692	34974	35167	35320	37060	36883
Free Lunch Eligible	23245	23456	22846	22093	20792	19697	18041	15759
Reduced Lunch Eligible	4540	4668	4765	4678	4584	4420	3975	3633
Female	31039	30829	30735	30110	29691	29215	29027	27717
Male	32066	32083	31587	31671	30872	30259	30096	28583
Language Proficiency NA	51633	50580	50409	50416	50044	49320	49524	47855
Language Proficiency NEP	2025	1715	1095	868	657	557	684	671
Language Proficiency LEP	7974	7998	7198	6064	4912	4195	3504	2919
Language Proficiency FEP	1476	2621	3622	4434	4951	5404	5417	4858
Not Migrant Or Immigrant	62174	62168	61564	61121	59888	58795	58429	55592
Migrant	187	178	167	155	147	169	151	127
Immigrant	712	533	566	480	511	485	514	558
Migrant and Immigrant	22	22	20	19	14	12	14	16

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Table 19. Tested Population Demographic Distribution – Writing

	Grade							
Subgroup	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
No Disability	57347	56762	56269	55879	54930	54060	54100	52051
Disability	5761	6121	6264	5860	5626	5247	4935	4320
No IEP	57341	56760	56264	55879	54933	54052	54090	52050
IEP	5753	6115	6263	5856	5620	5241	4927	4317
No Accommodation	47755	45808	45825	48115	48645	48426	50530	48626
Accommodation	11168	12886	12253	9240	7389	6193	3979	3240
Am. Indian/Alaska Native	471	474	523	520	506	513	489	488
Asian	2118	2104	2006	1923	1857	1855	1823	1806
Black	2945	2879	2867	2957	2971	2981	2853	2750
Hispanic	20079	20648	20311	20065	19233	18370	17855	16155
White	35225	34650	34662	34247	34008	33722	34172	33408
Hawaiian/Pacific Islander	149	113	122	126	154	121	151	135
Two or More Races	2118	2015	2042	1903	1826	1743	1690	1625
Not Free Lunch Eligible	35352	34748	34778	34933	35147	35224	36936	36899
Free Lunch Eligible	23203	23451	22942	22094	20801	19643	18074	15807
Reduced Lunch Eligible	4531	4661	4792	4677	4587	4399	3974	3636
Female	31043	30802	30853	30084	29681	29123	28971	27749
Male	32061	32080	31678	31657	30874	30180	30059	28619
Language Proficiency NA	51651	50553	50538	50375	50035	49153	49420	47885
Language Proficiency NEP	2030	1715	1105	871	658	554	681	684
Language Proficiency LEP	7954	7994	7243	6064	4914	4198	3511	2940
Language Proficiency FEP	1470	2622	3647	4432	4949	5400	5424	4862
Not Migrant Or Immigrant	62176	62141	61771	61081	59879	58627	58335	55652
Migrant	189	178	168	154	146	169	153	130
Immigrant	706	530	567	481	513	483	514	563
Migrant and Immigrant	22	22	20	19	14	11	13	16

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Table 20. Tested Population Demographic Distribution – Mathematics

	Grade							
Subgroup	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
No Disability	58539	56903	56291	55690	54989	54273	53984	52209
Disability	5891	6138	6270	5882	5641	5269	4926	4342
No IEP	58534	56900	56290	55690	54991	54265	53968	52203
IEP	5882	6132	6267	5881	5636	5263	4922	4340
No Accommodation	48820	47760	47643	49447	49476	48980	50707	49077
Accommodation	11351	10966	10572	8091	6828	6156	3944	3111
Am. Indian/Alaska Native	476	475	519	517	508	516	486	495
Asian	2118	2111	2015	1918	1858	1863	1832	1810
Black	2941	2890	2872	2899	2971	2985	2860	2762
Hispanic	21347	20764	20341	20039	19248	18435	17855	16216
White	35281	34677	34641	34186	34054	33875	34027	33507
Hawaiian/Pacific Islander	150	110	122	126	153	121	152	133
Two or More Races	2116	2013	2050	1892	1836	1745	1693	1624
Not Free Lunch Eligible	35470	34794	34787	34867	35184	35357	36799	36976
Free Lunch Eligible	24330	23557	22962	22044	20835	19720	18085	15889
Reduced Lunch Eligible	4611	4665	4793	4632	4589	4424	3970	3651
Female	31682	30872	30850	29991	29718	29239	28910	27824
Male	32748	32169	31710	31586	30910	30301	29994	28723
Language Proficiency NA	51748	50593	50534	50223	50090	49369	49268	48055
Language Proficiency NEP	2592	1823	1126	884	670	564	694	690
Language Proficiency LEP	8616	8006	7250	6054	4914	4203	3525	2936
Language Proficiency FEP	1474	2618	3651	4415	4955	5405	5422	4869
Not Migrant Or Immigrant	63415	62263	61791	60907	59952	58857	58204	55826
Migrant	193	179	169	156	146	168	154	130
Immigrant	781	564	576	487	515	488	516	562
Migrant and Immigrant	25	22	20	20	14	13	14	16

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Table 21. Tested Population Demographic Distribution – Science

Subgroup	Grade 5	Grade 8	Grade 10
No Disability	56317	54184	52177
Disability	6276	5261	4338
No IEP	56315	54180	52177
IEP	6272	5252	4332
No Accommodation	48798	50063	49257
Accommodation	9267	4930	2880
Am. Indian/Alaska Native	521	511	495
Asian	2011	1862	1815
Black	2869	2976	2765
Hispanic	20353	18381	16175
White	34672	33849	33506
Hawaiian/Pacific Islander	122	121	134
Two or More Races	2045	1743	1622
Not Free Lunch Eligible	34805	35320	36974
Free Lunch Eligible	22969	19673	15856
Reduced Lunch Eligible	4799	4411	3654
Female	30875	29209	27808
Male	31715	30233	28704
Language Proficiency NA	50564	49300	48019
Language Proficiency NEP	1120	563	691
Language Proficiency LEP	7254	4183	2937
Language Proficiency FEP	3655	5399	4868
Not Migrant Or Immigrant	61830	58766	55790
Migrant	169	168	133
Immigrant	567	484	564
Migrant and Immigrant	20	12	16

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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	1091	90	1101	90
Disability	98	1	98	1
No IEP	1091	90	1101	90
IEP	98	1	98	1
No Accommodation	963	69	972	67
Accommodation	224	20	223	22
Am. Indian/Alaska Native	3	.	3	.
Asian	.	.	.	.
Black	.	.	.	.
Hispanic	1185	91	1195	91
White	1	.	1	.
Hawaiian/Pacific Islander	.	.	.	.
Two or More Races	.	.	.	.
Not Free Lunch Eligible	54	11	53	11
Free Lunch Eligible	1064	76	1071	76
Reduced Lunch Eligible	71	4	75	4
Female	578	45	582	44
Male	611	46	617	47
Language Proficiency NA	5	2	4	2
Language Proficiency NEP	543	79	550	79
Language Proficiency LEP	637	9	641	9
Language Proficiency FEP	4	1	4	1
Not Migrant Or Immigrant	1110	63	1120	63
Migrant	4	1	4	1
Immigrant	72	27	72	27
Migrant and Immigrant	3	.	3	.

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

Mean Item-Total Corr.: 0.38 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
1	1	1	1/4	0.49	0.44	0.90	21	2	1	1/4	0.22	0.35	0.54
2	1	1	1/4	0.49	0.16	0.76	22	2	1	1/4	0.49	0.11	0.77
3	1	1	1/4	0.37	0.13	0.67	24	2	1	3	0.47	1.39	0.77
4	1	1	1/4	0.39	0.18	0.89	25	2	1	2	0.31	0.16	0.53
6	1	1	1/4	0.24	0.27	0.48	26	2	1	3	0.46	0.15	0.68
7	1	1	3	0.42	0.45	0.76	28	2	1	2	0.36	0.23	0.68
8	1	1	3	0.26	0.54	0.68	29	2	1	2	0.47	0.78	0.71
9	1	1	2	0.24	0.11	0.78	30	2	1	2	0.40	0.84	0.80
10	1	1	2	0.37	0.17	0.42	31	2	1	3	0.40	0.36	0.76
11	1	1	2	0.32	0.18	0.65	33	2	1	2	0.33	0.64	0.40
12	1	1	2	0.42	0.50	0.65	34	2	1	2	0.52	0.89	0.75
13	1	1	1/4	0.45	0.13	0.78	35	2	1	3	0.50	0.90	0.75
14	1	1	3	0.42	0.22	0.73	36	2	1	3	0.39	1.25	0.70
16	1	1	3	0.32	0.43	0.88	37	2	1	2	0.38	1.24	0.70
18	1	1	3	0.39	0.90	0.88	38	2	1	2	0.26	1.31	0.63
19	2	1	1/4	0.38	0.05	0.81	40	2	1	2	0.32	2.58	0.42

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

Mean Item-Total Corr.: 0.48 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		1	1	1/4	0.43	8.94	27.44	54.40	8.72		0.51	0.54
15		1	1	1/4	0.56	24.52	25.64	49.02			0.81	0.62
17		1	1	1/4	0.53	24.15	20.29	54.21			1.35	0.64
20		2	1	1/4	0.40	16.49	42.08	31.84	8.87		0.71	0.44
23		2	1	1/4	0.39	42.28	33.90	18.92	3.94		0.97	0.28
27		2	1	2	0.54	33.36	48.78	16.20			1.66	0.41
32		2	1	2	0.47	16.75	45.24	28.91	7.49		1.61	0.42
39		2	1	2	0.54	24.57	37.47	35.25			2.70	0.54

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

Mean Item-Total Corr.: 0.33 Mean *p*-Value: 0.59

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
3	1	1	2	0.28	0.25	0.26	21	2	1	1/4	0.43	0.76	0.93
4	1	1	2	0.26	0.08	0.65	22	2	1	1/4	0.43	0.08	0.66
5	1	1	3	0.19	0.17	0.31	23	2	1	1/4	0.49	0.17	0.85
6	1	1	3	0.24	0.08	0.23	24	2	1	3	0.36	0.08	0.83
7	1	1	1/4	0.30	0.34	0.30	27	2	1	2	0.32	0.93	0.86
9	1	1	3	0.24	0.00	0.38	28	2	1	3	0.47	0.25	0.72
10	1	1	3	0.31	0.59	0.60	29	2	1	3	0.32	0.59	0.75
11	1	1	1/4	0.39	0.00	0.68	30	2	1	2	0.34	0.34	0.52
12	1	1	1/4	0.28	0.17	0.51	31	2	1	2	0.41	0.59	0.60
13	1	1	1/4	0.25	0.50	0.30	33	2	1	2	0.29	0.42	0.56
14	1	1	1/4	0.00	0.59	0.35	34	2	1	2	0.22	0.50	0.47
15	1	1	3	0.45	0.76	0.76	35	2	1	3	0.05	0.42	0.34
16	1	1	1/4	0.39	0.93	0.83	37	2	1	1/4	0.54	0.76	0.70
18	1	1	1/4	0.41	9.25	0.73	38	2	1	3	0.40	1.09	0.64
19	1	1	1/4	0.46	2.52	0.75	39	2	1	1/4	0.39	1.26	0.57
20	1	1	3	0.40	2.78	0.64	40	2	1	3	0.33	1.09	0.59

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

Mean Item-Total Corr.: 0.51 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	0.43	28.68	9.17	24.05	37.34		0.76	0.56
2		1	1	2	0.62	29.60	6.73	8.16	53.99		1.51	0.62
8		1	1	1/4	0.55	25.06	29.27	44.41			1.26	0.59
17		1	1	1/4	0.51	10.60	19.60	32.21	34.40		3.20	0.62
25		2	1	1/4	0.50	15.14	24.22	59.88			0.76	0.72
26		2	1	1/4	0.42	48.70	9.59	39.95			1.77	0.45
32		2	1	2	0.49	25.32	37.34	30.78	5.63		0.93	0.39
36		2	1	1/4	0.55	29.10	35.24	34.23			1.43	0.52

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

Mean Item-Total Corr.: 0.38 Mean *p*-Value: 0.75

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
2	1	2		0.47	0.08	0.76	21	2	3	7	0.43	0.03	0.91
3	1	2		0.28	0.17	0.69	22	2	3	7	0.39	0.07	0.81
4	1	3	7	0.49	0.28	0.82	23	2	3	7	0.25	0.11	0.90
5	1	3	7	0.42	0.56	0.81	24	2	3	7	0.43	0.09	0.79
6	1	3	7	0.47	0.13	0.91	25	2	3	7	0.40	0.37	0.89
7	1	3	7	0.28	0.24	0.95	26	2	3	7	0.47	0.32	0.67
8	1	3	8	0.30	0.26	0.59	27	2	3	8	0.38	0.59	0.77
9	1	3	8	0.31	0.40	0.80	29	2	3	8	0.33	0.27	0.59
11	1	2	5	0.24	0.31	0.56	30	2	3	8	0.35	0.35	0.87
12	1	3	7	0.39	0.71	0.87	31	2	2		0.21	6.32	0.36
13	1	2		0.28	8.79	0.48	32	2	3	7	0.49	0.26	0.72
14	1	2		0.38	2.98	0.81	33	2	2	5	0.34	0.32	0.84
15	1	3	7	0.43	0.83	0.74	34	2	2	5	0.27	0.19	0.58
16	1	3	7	0.37	1.21	0.74	35	2	3	8	0.45	0.51	0.66
17	1	2	5	0.41	0.24	0.63	36	2	3	8	0.40	0.16	0.90
18	1	2	5	0.42	0.29	0.78	37	2	3	8	0.49	0.51	0.80
19	1	2	5	0.37	0.35	0.78	38	2	3	7	0.35	0.89	0.64
20	1	2	5	0.43	0.39	0.88							

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

Mean Item-Total Corr.: 0.42 Mean *p*-Value: 0.78

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	0.38	22.60	77.30				0.10	0.77
1	B	1	3	7	0.50	38.54	61.36				0.11	0.61
1	C	1	3	8	0.47	36.35	63.53				0.12	0.64
1	D	1	3	8	0.43	33.13	66.75				0.12	0.67
1	E	1	3	7	0.19	9.37	90.51				0.12	0.91
1	F	1	3	7	0.48	32.45	67.44				0.11	0.67
10	A	1	2	5	0.36	0.94	74.83	23.91			0.32	0.61
10	B	1	2	5	0.32	2.08	97.60				0.32	0.98
10	C	1	2	5	0.52	21.30	78.38				0.32	0.78
10	D	1	3	5	0.49	10.39	89.29				0.32	0.89
28	A	2	2	5	0.37	0.90	70.47	28.23			0.40	0.63
28	B	2	2	5	0.30	2.29	97.31				0.40	0.97
28	C	2	2	5	0.53	22.65	76.94				0.40	0.77
28	D	2	3	5	0.48	11.30	88.29				0.40	0.88
39	A	2	2	5	0.39	1.17	65.84	32.33			0.66	0.65
39	B	2	2	5	0.33	4.26	95.08				0.66	0.95
39	C	2	2	5	0.53	25.26	74.08				0.66	0.74
39	D	2	3	5	0.48	11.68	87.66				0.66	0.88

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

Mean Item-Total Corr.: 0.35 Mean *p*-Value: 0.72

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	3	7	0.29	0.00	0.87	21	2	3	8	0.30	0.08	0.75
2	1	3	7	0.36	0.00	0.86	22	2	3	8	0.43	0.17	0.60
3	1	3	7	0.34	0.00	0.90	23	2	3	8	0.35	0.17	0.76
5	1	3	7	0.35	0.33	0.63	24	2	3	8	0.27	0.17	0.67
6	1	3	7	0.32	0.00	0.83	25	2	3	8	0.39	0.08	0.81
7	1	3	7	0.32	0.58	0.70	26	2	3	8	0.35	0.25	0.41
8	1	3	7	0.35	1.00	0.54	28	2	3	7	0.35	0.17	0.68
9	1	3	7	0.34	1.25	0.55	29	2	3	7	0.41	0.25	0.90
10	1	3	7	0.31	0.00	0.93	30	2	3	7	0.39	0.50	0.85
11	1	3	7	0.31	0.25	0.85	31	2	3	7	0.42	0.58	0.74
12	1	3	7	0.45	0.33	0.91	32	2	3	7	0.34	1.08	0.59
13	1	2		0.39	0.33	0.75	33	2	2		0.34	1.25	0.67
14	1	2		0.35	0.33	0.81	34	2	2		0.39	0.33	0.92
15	1	2	7	0.39	0.42	0.81	35	2	2		0.38	0.42	0.92
17	1	2		0.42	1.00	0.78	36	2	2		0.40	0.75	0.71
18	1	2		0.20	1.17	0.22	37	2	2		0.27	0.75	0.52
19	1	2		0.20	1.17	0.26	38	2	2		0.28	0.75	0.78
20	2	3	8	0.41	0.08	0.70							

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

Mean Item-Total Corr.: 0.47 Mean *p*-Value: 0.69

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	0.39	18.10	80.98				0.92	0.81
4	B	1	3	7	0.34	75.73	23.35				0.92	0.23
4	C	1	3	8	0.41	34.11	65.05				0.83	0.65
4	D	1	3	8	0.43	38.03	61.05				0.92	0.61
4	E	1	3	7	0.40	44.95	54.13				0.92	0.54
4	F	1	3	7	0.34	22.52	76.56				0.92	0.77
16	A	1	2	5	0.48	7.26	63.22	28.52			1.00	0.60
16	B	1	2	5	0.44	12.26	86.74				1.00	0.87
16	C	1	2	5	0.50	19.43	79.57				1.00	0.80
16	D	1	3	5	0.46	7.76	91.24				1.00	0.91
27	A	2	2	5	0.53	17.68	52.04	28.86			1.42	0.55
27	B	2	2	5	0.58	24.60	73.98				1.42	0.74
27	C	2	2	5	0.58	31.28	67.31				1.42	0.67
27	D	2	3	5	0.55	19.43	79.23				1.33	0.79
39	A	2	2	5	0.51	15.68	54.30	28.36			1.67	0.56
39	B	2	2	5	0.51	26.94	71.39				1.67	0.71
39	C	2	2	5	0.54	28.36	69.97				1.67	0.70
39	D	2	3	5	0.49	16.85	81.57				1.58	0.82

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

Mean Item-Total Corr.: 0.42 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
1	1	4/5		0.32	0.14	0.29	21	2	4/5		0.34	0.23	0.88
2	1	2/3		0.48	0.22	0.51	22	2	2/3		0.56	0.16	0.66
3	1	1		0.39	0.47	0.64	23	2	4/5		0.35	0.28	0.86
4	1	4/5		0.37	0.21	0.51	24	2	1		0.45	0.32	0.58
5	1	1		0.32	0.31	0.73	26	2	4/5		0.38	2.06	0.68
7	1	1		0.34	0.18	0.90	27	2	4/5		0.43	0.33	0.82
8	1	2/3		0.45	0.16	0.62	28	2	4/5		0.45	0.50	0.63
10	1	2/3		0.48	0.18	0.54	29	2	2/3		0.26	0.35	0.87
11	1	4/5		0.34	0.18	0.77	31	2	2/3		0.52	0.56	0.75
12	1	6		0.39	0.43	0.89	32	2	6		0.42	1.09	0.64
13	1	6		0.43	0.27	0.76	33	2	4/5		0.55	0.29	0.53
15	1	4/5		0.40	0.29	0.75	34	2	6		0.41	1.29	0.72
16	1	2/3		0.46	0.50	0.85	35	2	4/5		0.56	0.31	0.66
17	1	2/3		0.30	0.36	0.76	36	2	4/5		0.57	0.31	0.64
18	1	6		0.50	0.67	0.65	38	2	1		0.54	0.32	0.69
19	1	1		0.46	0.41	0.65	39	2	2/3		0.36	0.37	0.64

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

Mean Item-Total Corr.: 0.59 Mean *p*-Value: 0.58

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
6		1	6		0.60	21.70	60.17	17.97			0.16	0.48
9		1	1		0.58	32.69	28.71	38.26			0.34	0.53
14		1	2/3		0.65	25.40	29.25	45.15			0.21	0.60
20		1	4/5		0.50	11.94	26.57	61.20			0.29	0.74
25		2	2/3		0.66	34.44	27.19	38.09			0.27	0.52
30		2	1		0.65	44.16	38.49	16.60			0.75	0.36
37		2	4/5		0.51	9.48	32.00	58.33			0.19	0.74
40		2	6		0.57	3.50	36.78	23.16	36.37		0.20	0.64

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

Mean Item-Total Corr.: 0.40 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
4	3	1	1/4	0.39	0.05	0.88	39	4	1	3	0.53	0.22	0.83
5	3	1	3	0.39	0.04	0.80	40	4	5		0.50	0.26	0.62
7	3	1	3	0.30	0.14	0.93	41	4	4	2	0.41	0.16	0.56
9	3	1	3	0.32	0.57	0.94	42	4	5		0.45	0.26	0.77
10	3	4	2	0.35	0.15	0.60	43	4	6	2	0.52	0.41	0.73
11	3	5		0.46	0.17	0.59	45	4	1	2	0.54	0.35	0.85
12	3	1	3	0.47	0.32	0.87	46	4	4	2	0.46	0.60	0.72
13	3	5		0.34	0.13	0.89	48	4	5		0.35	0.45	0.64
14	3	5		0.34	0.24	0.57	49	4	5		0.28	0.92	0.68
15	3	1	2	0.39	0.19	0.58	50	4	5		0.39	0.83	0.86
16	3	1	3	0.43	0.19	0.68	93	6	4	1/4	0.42	0.70	0.83
17	3	6	2	0.41	0.35	0.48	96	6	1	1/4	0.30	0.14	0.78
19	3	1	2	0.54	0.43	0.69	97	6	6	1/4	0.29	0.43	0.73
20	3	5		0.18	0.41	0.42	98	6	1	3	0.36	0.39	0.81
21	3	6	1/4	0.30	0.42	0.41	99	6	6	1/4	0.31	0.14	0.93
22	3	6	1/4	0.25	0.61	0.20	100	6	5		0.38	0.36	0.50
24	3	1	3	0.38	1.10	0.47	101	6	5		0.48	0.48	0.78
26	4	4	1/4	0.28	0.08	0.40	102	6	6	1/4	0.25	0.15	0.77
27	4	6	1/4	0.34	0.11	0.81	103	6	6	1/4	0.47	0.31	0.78
28	4	1	1/4	0.43	0.10	0.70	104	6	6	1/4	0.49	0.37	0.72
30	4	4	1/4	0.35	0.23	0.58	105	6	4	1/4	0.53	0.49	0.77
31	4	5		0.39	0.34	0.76	106	6	6	1/4	0.52	0.56	0.87
32	4	1	2	0.36	0.09	0.77	107	6	1	3	0.28	0.75	0.42
33	4	4	2	0.35	0.21	0.49	110	6	1	3	0.40	0.55	0.79
35	4	4	2	0.56	0.20	0.82	112	6	1	2	0.43	0.69	0.49
36	4	4	2	0.47	0.42	0.71	113	6	1	2	0.56	0.97	0.79
37	4	1	2	0.49	0.35	0.70	114	6	1	3	0.52	0.94	0.80
38	4	5		0.44	1.20	0.47	115	6	1	3	0.41	1.28	0.73

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

Mean Item-Total Corr.: 0.50 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
6		3	1	1/4	0.48	13.17	19.09	67.25			0.49	0.77
8		3	1	1/4	0.49	13.50	18.75	66.84			0.91	0.76
18		3	4	2	0.37	27.28	46.47	24.47			1.78	0.48
23		3	5		0.55	21.44	18.51	29.75	28.83		1.47	0.55
25		3	1	1/4	0.54	18.04	35.51	36.40	7.81		2.24	0.44
29		4	4	1/4	0.33	17.13	50.03	22.91	9.21		0.72	0.41
34		4	1	2	0.43	34.25	57.21	7.51			1.03	0.36
44		4	4	2	0.52	9.86	36.10	32.86	20.22		0.96	0.54
47		4	1	2	0.55	16.31	44.98	29.52	7.83		1.36	0.43
94		6	6	1/4	0.61	10.16	21.81	67.54			0.48	0.78
95		6	6	1/4	0.50	10.80	51.92	36.25			1.04	0.62
108		6	5		0.55	19.73	19.87	57.96			2.43	0.68
109		6	6	1/4	0.57	14.05	39.40	34.59	10.10		1.85	0.46
111		6	1	2	0.46	12.72	41.21	33.07	10.98		2.01	0.47

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

Mean Item-Total Corr.: 0.37 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
4	3	1	2	0.31	0.00	0.38	39	4	5		0.24	4.40	0.63
5	3	5		0.49	1.10	0.43	40	4	1	1/4	0.45	2.20	0.66
6	3	6	2	0.04	1.10	0.67	41	4	1	1/4	0.45	2.20	0.47
7	3	5		0.35	0.00	0.36	43	4	1	1/4	0.30	3.30	0.40
8	3	6	2	0.06	0.00	0.29	46	4	1	3	0.48	3.30	0.77
9	3	4	2	0.56	0.00	0.63	47	4	6	3	0.19	4.40	0.43
10	3	4	2	0.46	0.00	0.56	48	4	5		0.16	3.30	0.32
11	3	1	3	0.15	0.00	0.74	91	6	1	2	0.25	0.00	0.85
12	3	6	2	0.00	2.20	0.36	92	6	1	3	0.29	0.00	0.71
15	3	4	1/4	0.19	1.10	0.69	93	6	1	3	0.53	0.00	0.41
16	3	1	1/4	0.56	1.10	0.65	94	6	1	2	0.42	0.00	0.70
17	3	4	1/4	0.32	1.10	0.77	95	6	1	2	0.45	0.00	0.75
18	3	1	1/4	0.54	1.10	0.68	96	6	1	2	0.27	0.00	0.52
19	3	6	1/4	0.27	2.20	0.87	99	6	6	1/4	0.39	1.10	0.57
20	3	1	1/4	0.15	1.10	0.53	101	6	4	1/4	0.59	1.10	0.51
21	3	1	1/4	0.53	1.10	0.51	102	6	4	1/4	0.53	1.10	0.36
22	3	1	1/4	0.53	1.10	0.56	103	6	1	3	0.47	2.20	0.67
23	3	6	1/4	0.31	1.10	0.53	104	6	1	3	0.38	2.20	0.64
24	3	6	1/4	0.31	2.20	0.66	105	6	5		0.32	2.20	0.64
26	4	1	2	0.33	0.00	0.46	106	6	5		0.37	1.10	0.32
27	4	1	3	0.51	0.00	0.70	107	6	5		0.25	1.10	0.49
28	4	4	2	0.26	0.00	0.65	109	6	1	2	0.50	1.10	0.66
30	4	4	2	0.29	0.00	0.35	110	6	1	2	0.47	2.20	0.49
32	4	4	2	0.38	1.10	0.32	111	6	4	2	0.55	1.10	0.59
35	4	4	1/4	0.49	2.20	0.68	112	6	1	3	0.39	1.10	0.57
36	4	1	1/4	0.45	1.10	0.44	113	6	1	3	0.44	2.20	0.65
37	4	1	3	0.55	2.20	0.67	114	6	5		0.41	2.20	0.67
38	4	5		0.44	4.40	0.48	115	6	5		0.44	1.10	0.41

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

Mean Item-Total Corr.: 0.54 Mean *p*-Value: 0.37

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	0.73	35.16	27.47	25.27	9.89		2.20	0.36
14		3	5		0.50	58.24	35.16	3.30			3.30	0.21
29		4	5		0.76	14.29	27.47	13.19	45.05		0.00	0.63
31		4	4	2	0.59	73.63	14.29	10.99			1.10	0.18
33		4	6	1/4	0.52	40.66	28.57	24.18	5.49		1.10	0.31
34		4	1	1/4	0.69	30.77	29.67	16.48	20.88		2.20	0.42
42		4	1	1/4	0.49	60.44	23.08	13.19			3.30	0.25
44		4	6	1/4	0.54	23.08	31.87	39.56			5.49	0.55
45		4	4	1/4	0.41	36.26	32.97	21.98	4.40		4.40	0.30
97		6	4	1/4	0.16	49.45	35.16	13.19			2.20	0.31
98		6	6	1/4	0.67	45.05	27.47	8.79	16.48		2.20	0.32
100		6	6	1/4	0.48	59.34	30.77	7.69			2.20	0.23
108		6	1	2	0.55	27.47	19.78	51.65			1.10	0.62
116		6	5		0.45	26.37	13.19	52.75	5.49		2.20	0.45

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

Mean Item-Total Corr.: 0.37 Mean *p*-Value: 0.72

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
51	5	3	7	0.37	0.54	0.81	72	5	3	8	0.35	1.18	0.57
52	5	3	7	0.32	0.23	0.89	73	5	3	8	0.36	1.58	0.69
53	5	3	7	0.33	0.61	0.90	74	5	3	8	0.38	0.57	0.79
54	5	3	7	0.25	0.13	0.94	75	5	2		0.33	0.62	0.86
55	5	3	7	0.32	0.30	0.52	76	5	2		0.37	2.57	0.55
56	5	2		0.38	0.51	0.69	77	5	2		0.34	2.99	0.57
57	5	2		0.43	0.77	0.82	78	5	3	7	0.46	0.97	0.79
58	5	2		0.34	0.31	0.74	79	5	3	7	0.44	1.39	0.73
59	5	3	7	0.28	0.81	0.91	80	5	3	7	0.48	2.15	0.83
60	5	3	7	0.30	0.90	0.88	81	5	3	7	0.45	0.95	0.86
61	5	3	8	0.28	0.84	0.44	82	5	3	7	0.44	1.30	0.80
62	5	2	5	0.34	0.26	0.79	83	5	3	8	0.47	1.14	0.84
63	5	3	7	0.46	0.73	0.81	84	5	3	8	0.48	1.44	0.69
64	5	3	7	0.43	0.42	0.88	85	5	3	8	0.50	1.21	0.83
65	5	3	7	0.38	0.96	0.60	86	5	3	8	0.40	1.73	0.51
66	5	2	5	0.28	0.41	0.78	87	5	3	7	0.46	2.02	0.81
67	5	2	5	0.34	0.31	0.86	88	5	2	5	0.24	1.41	0.35
68	5	2	5	0.34	0.46	0.57	89	5	2	5	0.43	1.55	0.71
70	5	3	8	0.39	0.39	0.59	90	5	2	5	0.25	1.76	0.53
71	5	2	5	0.23	0.52	0.47	91	5	2	5	0.49	2.33	0.72

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

Mean Item-Total Corr.: 0.42 Mean *p*-Value: 0.69

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	0.12	1.54	98.46				0.00	0.98
2	A	2	3	7	0.32	24.55	75.23				0.22	0.75
2	B	2	3	8	0.45	20.86	78.91				0.23	0.79
2	C	2	3	7	0.16	53.55	46.19				0.26	0.46
2	D	2	3	8	0.34	33.95	65.81				0.24	0.66
2	E	2	3	8	0.41	57.50	42.24				0.26	0.42
2	F	2	3	7	0.45	16.27	83.47				0.26	0.83
3	A	2	2	6	0.61	2.31	4.87	39.39	39.00	14.24	0.20	0.64
3	B	2	2	6	0.65	0.96	7.55	42.28	35.80	13.22	0.20	0.63
3	C	2	3	6	0.51	1.21	10.20	88.38			0.20	0.93
69		5	2	5	0.47	0.30	4.67	31.70	49.06	13.35	0.93	0.67
92		5	2	5	0.48	0.62	9.35	41.71	36.36	7.60	4.35	0.58
116		5	2	5	0.52	0.86	8.12	38.41	42.56	8.18	1.88	0.61

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

Mean Item-Total Corr.: 0.31 Mean *p*-Value: 0.50

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
49	5	3	7	0.32	0.00	0.77	70	5	3	7	0.28	1.10	0.37
50	5	3	7	0.47	0.00	0.74	71	5	3	7	0.10	3.30	0.54
51	5	2		0.34	0.00	0.86	72	5	3	8	0.07	1.10	0.38
52	5	2		0.38	0.00	0.55	73	5	3	8	-0.06	1.10	0.40
53	5	2		0.03	0.00	0.96	74	5	3	8	0.28	1.10	0.63
54	5	3	7	0.38	0.00	0.63	75	5	3	8	0.31	1.10	0.43
55	5	2		0.40	0.00	0.82	76	5	3	7	0.17	1.10	0.41
56	5	3	7	0.33	0.00	0.84	77	5	3	7	0.26	2.20	0.36
57	5	2	5	0.30	0.00	0.41	78	5	3	7	0.29	6.59	0.22
58	5	2	5	0.28	0.00	0.43	79	5	3	8	0.14	2.20	0.55
59	5	2	5	0.09	0.00	0.35	80	5	3	8	0.27	2.20	0.40
60	5	2	5	0.38	1.10	0.46	81	5	3	8	0.36	2.20	0.35
61	5	2	5	0.41	0.00	0.52	82	5	3	8	0.41	2.20	0.37
62	5	2	5	0.17	0.00	0.36	83	5	3	8	0.47	2.20	0.44
64	5	3	7	0.46	1.10	0.31	84	5	3	8	0.40	2.20	0.41
65	5	3	7	0.51	1.10	0.70	85	5	3	8	0.31	2.20	0.43
66	5	3	7	0.31	1.10	0.56	86	5	3	8	0.16	2.20	0.36
67	5	3	7	0.43	1.10	0.42	87	5	2		0.35	3.30	0.32
68	5	3	7	0.37	1.10	0.63	88	5	2		0.54	3.30	0.66
69	5	3	7	0.46	1.10	0.41	89	5	2		0.35	3.30	0.43

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

Mean Item-Total Corr.: 0.38 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
1		1	2	6	0.06	7.69	92.31				0.00	0.92
2	A	2	3	7	0.27	12.09	86.81				1.10	0.87
2	B	2	3	7	0.47	31.87	67.03				1.10	0.67
2	C	2	3	7	0.32	19.78	79.12				1.10	0.79
2	D	2	3	8	0.17	27.47	71.43				1.10	0.71
2	E	2	3	7	0.32	62.64	36.26				1.10	0.36
2	F	2	3	8	0.12	91.21	7.69				1.10	0.08
3	A	2	2	6	0.53	31.87	14.29	41.76	7.69	2.20	2.20	0.32
3	B	2	2	6	0.55	7.69	31.87	43.96	12.09	2.20	2.20	0.41
3	C	2	3	6	0.59	9.89	67.03	20.88			2.20	0.54
25		5	2	5	0.50	17.58	39.56	9.89	12.09	14.29	6.59	0.38
63		5	2	5	0.52	8.79	25.27	35.16	14.29	13.19	3.30	0.48
90		5	2	5	0.50	4.40	24.18	42.86	18.68	4.40	5.49	0.46

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

Mean Item-Total Corr.: 0.42 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
1	1	2	2	0.50	0.04	0.59	36	2	1	1	0.31	0.46	0.64
2	1	1		0.33	0.36	0.53	37	2	3		0.55	0.20	0.69
4	1	3		0.50	1.05	0.65	38	2	1		0.44	0.13	0.84
5	1	2	2	0.52	0.20	0.66	39	2	4/5		0.32	0.33	0.56
6	1	6		0.52	0.25	0.77	40	2	4/5		0.22	0.24	0.84
8	1	1	1	0.35	0.53	0.89	42	2	1	1	0.23	0.12	0.96
9	1	6		0.43	0.80	0.77	43	2	4/5		0.45	0.26	0.70
10	1	3		0.43	0.12	0.74	44	2	4/5		0.37	0.97	0.76
11	1	3		0.44	0.30	0.73	45	2	4/5		0.43	0.37	0.67
12	1	4/5		0.44	0.19	0.76	47	3	4/5	3	0.55	0.13	0.60
13	1	6		0.56	0.72	0.65	48	3	1	1	0.35	0.07	0.87
15	1	3		0.35	0.31	0.27	49	3	6		0.55	0.12	0.83
16	1	4/5		0.47	0.23	0.65	50	3	1		0.37	0.44	0.72
17	1	6		0.42	0.91	0.73	51	3	2		0.47	0.77	0.56
19	1	2	2	0.41	0.53	0.85	52	3	6		0.37	0.25	0.90
20	1	1	1	0.46	0.50	0.57	54	3	4/5	3	0.26	0.19	0.87
21	1	6		0.42	1.01	0.78	55	3	6	1	0.46	0.50	0.80
22	1	4/5	3	0.45	0.36	0.63	56	3	4/5		0.33	0.52	0.90
24	2	3		0.51	0.11	0.61	57	3	2	2	0.43	0.59	0.71
25	2	6		0.33	0.36	0.88	59	3	4/5	3	0.32	0.31	0.94
26	2	2	2	0.44	0.10	0.77	60	3	4/5		0.40	0.91	0.62
28	2	4/5		0.53	0.15	0.71	62	3	3		0.35	0.20	0.73
29	2	4/5	3	0.52	0.20	0.75	63	3	1		0.58	0.27	0.68
31	2	4/5	3	0.29	0.89	0.87	64	3	6		0.44	0.92	0.68
32	2	6		0.32	0.85	0.87	65	3	4/5		0.48	0.28	0.66
33	2	1	1	0.44	0.34	0.86	66	3	6		0.31	0.71	0.86
34	2	3		0.50	0.47	0.84	68	3	3		0.37	0.36	0.90

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

Mean Item-Total Corr.: 0.58 Mean *p*-Value: 0.62

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
3		1	4/5		0.54	15.28	22.97	61.42			0.33	0.73
7		1	1	1	0.42	0.85	3.52	17.10	78.39		0.14	0.91
14		1	4/5		0.40	2.75	13.76	42.01	41.38		0.11	0.74
18		1	3		0.65	17.36	24.32	58.12			0.19	0.70
23		1	6	1	0.66	7.23	33.39	23.45	20.95	14.63	0.35	0.50
27		2	6	1	0.67	13.61	18.33	28.91	39.02		0.13	0.64
30		2	2	2	0.52	46.56	24.97	27.96			0.50	0.40
35		2	1	1	0.67	35.94	38.81	24.88			0.37	0.44
41		2	4/5	3	0.47	6.95	18.67	74.26			0.12	0.84
46		2	2	2	0.60	13.70	9.80	12.40	9.38	54.44	0.28	0.70
53		3	1	1	0.63	22.48	11.35	64.76			1.41	0.70
58		3	3		0.64	22.15	19.78	21.72	36.05		0.30	0.57
61		3	2	2	0.62	23.70	25.68	50.33			0.29	0.63
67		3	1		0.52	57.44	23.26	7.46	11.40		0.43	0.24
69		3	4/5		0.60	15.75	17.58	21.67	13.94	30.79	0.26	0.56

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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
5	3	4	1/4	0.37	0.53	0.85	37	4	4	1/4	0.27	0.28	0.35
7	3	1	3	0.47	0.12	0.64	41	4	4	2	0.42	0.30	0.64
8	3	1	1/4	0.20	0.23	0.29	42	4	1	3	0.39	0.27	0.84
9	3	5		0.30	0.15	0.51	43	4	5		0.43	0.29	0.69
10	3	1	2	0.38	0.13	0.53	44	4	5		0.31	0.28	0.59
11	3	1	2	0.39	0.17	0.62	45	4	1	3	0.30	0.54	0.51
12	3	1	3	0.43	0.13	0.87	46	4	1	2	0.50	0.61	0.71
13	3	4	2	0.42	0.30	0.59	48	4	1	3	0.52	0.85	0.82
15	3	5		0.33	0.46	0.54	49	4	5		0.39	0.92	0.58
16	3	5		0.21	0.27	0.53	50	4	4	2	0.32	1.57	0.54
17	3	5		0.21	0.23	0.52	94	6	4	1/4	0.26	0.07	0.62
18	3	1	2	0.46	0.31	0.62	95	6	1	3	0.43	0.07	0.92
19	3	1	3	0.46	0.35	0.75	97	6	1	1/4	0.40	0.16	0.77
20	3	6	2	0.46	0.49	0.54	98	6	1	3	0.27	0.52	0.60
22	3	1	2	0.56	0.69	0.72	99	6	4	1/4	0.40	0.64	0.85
23	3	5		0.22	0.76	0.48	102	6	4	1/4	0.41	0.27	0.76
24	3	5		0.43	0.95	0.75	103	6	1	3	0.33	0.23	0.87
25	3	5		0.50	1.14	0.83	104	6	6	1/4	0.33	0.32	0.93
26	3	5		0.48	1.15	0.78	105	6	5		0.42	0.42	0.61
27	4	1	2	0.39	0.03	0.87	106	6	5		0.46	0.30	0.85
28	4	1	2	0.33	0.13	0.41	107	6	1	1/4	0.33	0.56	0.91
30	4	4	2	0.26	0.13	0.40	108	6	6	1/4	0.44	0.61	0.76
31	4	4	2	0.51	0.21	0.80	109	6	1	1/4	0.53	0.31	0.79
32	4	5		0.35	0.22	0.60	110	6	6	1/4	0.50	0.40	0.72
33	4	4	1/4	0.32	0.12	0.53	111	6	1	3	0.53	0.34	0.77
34	4	4	1/4	0.37	0.26	0.76	112	6	4	1/4	0.49	0.53	0.68
35	4	6	1/4	0.46	0.31	0.76	114	6	6	1/4	0.56	0.48	0.66
36	4	6	1/4	0.32	0.39	0.93	115	6	5		0.44	0.51	0.78

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

Mean Item-Total Corr.: 0.50 Mean *p*-Value: 0.45

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
4		3	1	1/4	0.44	55.78	27.91	15.40			0.90	0.29
6		3	6	1/4	0.40	23.21	47.34	17.36	10.57		1.51	0.38
14		3	6	2	0.59	32.09	35.78	19.07	10.22		2.84	0.35
21		3	4	2	0.33	26.04	46.98	24.82			2.16	0.48
29		4	1	2	0.57	12.99	27.12	45.76	13.24		0.88	0.53
38		4	1	1/4	0.50	19.21	39.98	33.65	5.93		1.22	0.42
39		4	4	2	0.62	29.70	17.05	34.30	17.85		1.10	0.46
40		4	5		0.54	28.77	35.43	26.17	8.31		1.32	0.38
47		4	1	2	0.55	37.11	45.24	15.31			2.35	0.38
51		4	5		0.49	36.32	36.10	24.73			2.85	0.43
96		6	4	1/4	0.33	37.25	51.73	9.52			1.50	0.35
100		6	6	1/4	0.54	7.02	16.88	75.54			0.56	0.84
101		6	6	1/4	0.49	7.69	46.15	44.97			1.19	0.68
113		6	6	1/4	0.56	44.82	29.95	21.13	2.08		2.02	0.26

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

Mean Item-Total Corr.: 0.40 Mean *p*-Value: 0.72

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
52	5	3	8	0.43	0.04	0.74	73	5	2	8	0.49	0.58	0.74
53	5	3	8	0.43	0.10	0.69	74	5	3	8	0.51	0.85	0.82
54	5	3	8	0.37	0.34	0.65	75	5	3	8	0.41	0.62	0.89
55	5	2	7	0.45	0.07	0.74	76	5	2	7	0.18	0.69	0.38
56	5	3	8	0.36	0.49	0.77	77	5	2	5	0.48	0.78	0.84
57	5	3	8	0.44	0.61	0.90	78	5	3	8	0.36	0.71	0.67
58	5	3	8	0.28	1.11	0.45	79	5	2	5	0.22	0.77	0.49
59	5	3	8	0.41	0.29	0.67	80	5	3	7	0.51	0.87	0.73
60	5	3	8	0.49	0.60	0.82	81	5	3	7	0.47	1.60	0.74
61	5	2	7	0.40	0.30	0.83	82	5	2	5	0.39	0.96	0.62
62	5	3	7	0.37	0.72	0.85	83	5	3	7	0.31	1.06	0.41
63	5	3	8	0.42	0.23	0.87	84	5	3	7	0.45	1.51	0.86
64	5	2	5	0.36	0.26	0.56	85	5	3	7	0.49	1.42	0.71
65	5	2		0.40	0.18	0.81	86	5	2	5	0.34	1.06	0.66
66	5	2		0.27	0.20	0.92	87	5	3	7	0.51	1.27	0.74
67	5	3	7	0.47	0.36	0.72	88	5	3	7	0.38	1.60	0.60
68	5	3	7	0.40	0.60	0.64	89	5	3	7	0.42	1.47	0.91
70	5	2	5	0.43	0.33	0.73	90	5	3	7	0.41	1.67	0.66
71	5	2	5	0.23	0.40	0.58	91	5	2	5	0.38	1.69	0.60
72	5	2	8	0.50	0.42	0.83	92	5	3	7	0.46	2.04	0.86

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

Mean Item-Total Corr.: 0.43 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	1.03	98.97				0.00	0.99
2	A	2	3	8	0.36	21.66	78.17				0.17	0.78
2	B	2	3	7	0.32	9.47	90.37				0.17	0.90
2	C	2	3	7	0.20	2.62	97.20				0.18	0.97
2	D	2	3	7	0.47	39.62	60.20				0.18	0.60
2	E	2	3	8	0.45	53.81	46.02				0.17	0.46
2	F	2	3	8	0.48	28.77	71.04				0.19	0.71
3	A	2	2	6	0.60	2.14	3.81	38.91	37.70	17.32	0.12	0.66
3	B	2	2	6	0.62	0.58	6.18	39.65	36.01	17.45	0.12	0.66
3	C	2	3	6	0.46	0.78	8.78	90.33			0.12	0.95
69		5	2	5	0.50	0.27	3.54	25.91	53.51	15.90	0.87	0.70
93		5	2	5	0.46	0.42	5.79	35.52	43.30	11.38	3.59	0.63
116		5	2	5	0.55	0.60	4.93	32.07	43.89	17.17	1.35	0.67

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

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
1	1	4/5	1	0.35	0.03	0.73	35	2	1	1	0.34	0.67	0.75
2	1	1	1	0.50	1.18	0.51	37	2	2	2	0.40	0.25	0.84
3	1	4/5		0.39	0.03	0.88	38	2	2		0.31	0.59	0.37
4	1	3		0.47	0.16	0.54	39	2	6		0.50	0.39	0.75
5	1	6		0.44	0.71	0.79	40	2	4/5		0.48	0.27	0.74
7	1	4/5		0.29	0.31	0.92	41	2	1		0.57	0.31	0.74
9	1	2		0.30	0.42	0.35	42	2	2	2	0.55	0.26	0.58
10	1	1	1	0.47	0.14	0.70	44	2	3	3	0.34	0.18	0.73
12	1	1	1	0.48	0.10	0.58	45	2	1		0.27	0.44	0.52
13	1	1		0.42	0.25	0.85	47	3	4/5		0.44	0.06	0.56
15	1	1	1	0.48	0.29	0.74	48	3	6		0.48	0.22	0.77
16	1	2		0.50	0.29	0.71	50	3	2	2	0.33	0.08	0.89
17	1	6		0.32	0.35	0.89	51	3	6		0.24	0.42	0.92
18	1	1	1	0.29	0.18	0.89	52	3	4/5		0.17	0.13	0.25
19	1	4/5		0.28	0.42	0.59	53	3	1		0.32	0.39	0.52
20	1	6		0.38	0.71	0.83	55	3	6		0.52	0.25	0.64
21	1	2		0.49	0.30	0.70	56	3	6		0.38	0.89	0.87
22	1	1	1	0.20	0.51	0.46	57	3	3		0.32	0.18	0.48
24	2	1	1	0.33	0.40	0.49	58	3	1	1	0.35	0.15	0.53
25	2	4/5		0.46	0.04	0.82	60	3	6		0.46	1.08	0.72
27	2	6		0.26	0.21	0.89	61	3	3		0.38	0.34	0.76
28	2	6		0.41	0.42	0.84	62	3	6	1	0.30	0.17	0.89
29	2	3		0.45	0.16	0.61	64	3	2	2	0.41	0.36	0.73
30	2	1	1	0.36	0.25	0.49	65	3	4/5		0.41	0.18	0.79
32	2	3		0.38	1.45	0.64	66	3	6		0.39	0.39	0.72
33	2	4/5		0.32	0.12	0.88	67	3	4/5		0.34	0.23	0.52
34	2	6		0.48	0.30	0.49	68	3	3	3	0.38	1.21	0.49

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

Mean Item-Total Corr.: 0.61 Mean *p*-Value: 0.58

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
6		1	2	2	0.64	9.26	17.20	28.52	44.94		0.08	0.70
8		1	2	2	0.56	13.31	17.23	69.25			0.21	0.78
11		1	6		0.67	36.58	23.92	19.99	19.04		0.46	0.40
14		1	1	1	0.54	5.85	21.92	46.17	25.82		0.24	0.64
23		1	2	2	0.62	8.53	17.00	37.76	25.05	11.15	0.51	0.53
26		2	2	2	0.58	36.18	22.27	41.31			0.25	0.52
31		2	3	3	0.60	15.91	17.06	23.04	43.84		0.15	0.65
36		2	4/5		0.52	19.99	38.21	41.30			0.50	0.60
43		2	4/5		0.68	50.91	12.99	17.94	17.72		0.44	0.34
46		2	3	3	0.70	8.83	13.91	31.79	23.95	21.29	0.23	0.59
49		3	6		0.63	38.27	12.54	48.93			0.25	0.55
54		3	1		0.65	44.18	12.84	42.60			0.39	0.49
59		3	3	3	0.53	17.74	32.85	49.02			0.39	0.65
63		3	3		0.60	11.88	25.79	36.75	25.40		0.19	0.58
69		3	4/5		0.63	14.25	14.41	19.55	13.99	37.69	0.11	0.62

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

Mean Item-Total Corr.: 0.33 Mean *p*-Value: 0.62

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	1/5	1	0.16	0.02	0.79	39	2	3		0.37	0.40	0.48
2	1	4		0.32	0.04	0.66	40	2	2		0.37	0.27	0.80
3	1	3		0.29	0.12	0.78	41	2	3		0.37	0.17	0.76
4	1	1/5	1	0.48	0.03	0.85	43	2	1/5		0.42	0.13	0.71
5	1	1/5		0.33	0.05	0.59	44	2	1/5	1	0.58	0.40	0.68
6	1	4		0.29	0.09	0.53	46	2	3		0.32	0.14	0.68
7	1	3		0.47	0.18	0.60	48	2	4		0.12	0.14	0.84
8	1	1/5	1	0.51	0.11	0.79	49	2	3		0.21	0.33	0.85
10	1	2		0.32	0.07	0.83	50	2	1/5	1	0.48	0.66	0.54
11	1	1/5	1	0.19	0.55	0.53	51	3	4		0.31	0.03	0.87
12	1	1/5	1	0.35	0.36	0.27	52	3	2		0.25	0.07	0.82
13	1	3		0.18	0.15	0.62	53	3	4		0.45	0.07	0.69
14	1	4		0.20	0.23	0.26	55	3	4		0.31	0.39	0.61
15	1	1/5	2	0.35	0.10	0.68	56	3	1/5	2	0.44	0.11	0.77
16	1	1/5	1	0.34	0.11	0.38	57	3	3		0.26	0.27	0.31
17	1	1/5		0.51	0.15	0.65	58	3	3		0.38	0.70	0.76
18	1	4		0.46	0.20	0.85	60	3	2		0.19	0.22	0.35
19	1	3		0.29	0.28	0.36	61	3	4		0.41	0.91	0.70
20	1	4		0.16	0.09	0.45	63	3	1/5	1	0.42	0.15	0.64
26	2	4		0.39	0.04	0.55	64	3	1/5	1	0.37	0.32	0.49
27	2	2		0.34	0.06	0.86	66	3	1/5	1	0.41	0.28	0.64
28	2	4		0.29	0.85	0.58	67	3	2		0.34	0.15	0.61
29	2	3		0.36	1.42	0.58	68	3	2		0.28	0.27	0.29
30	2	2		0.36	0.09	0.80	69	3	2		0.30	0.19	0.71
32	2	1/5		0.40	0.14	0.61	71	3	2		0.36	0.22	0.47
33	2	2		0.29	0.13	0.61	72	3	3		0.26	0.50	0.33
34	2	1/5	1	0.18	0.39	0.39	73	3	1/5	2	0.19	0.20	0.32
36	2	1/5	2	0.29	0.12	0.48	74	3	2		0.37	0.24	0.79
37	2	4		0.36	0.24	0.63							

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

Mean Item-Total Corr.: 0.47 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
9		1	2		0.31	50.22	38.36	11.12			0.30	0.30
21		1	1/5	1	0.18	19.89	80.01				0.10	0.80
22		1	1/5	1	0.41	48.05	51.46				0.49	0.51
23		1	1/5	1	0.53	23.23	43.74	32.46			0.56	0.54
24		1	1/5	2	0.57	20.66	40.81	38.10			0.43	0.59
25		1	1/5	2	0.42	33.64	65.79				0.57	0.66
31		2	3		0.55	23.04	38.70	37.61			0.66	0.57
35		2	3		0.48	62.57	27.77	8.48			1.19	0.22
38		2	1/5		0.34	41.35	57.96				0.69	0.58
42		2	1/5	1	0.55	17.20	26.49	55.77			0.54	0.69
45		2	2		0.50	31.81	44.72	23.18			0.29	0.46
47		2	4		0.40	21.13	28.80	49.62			0.45	0.64
54		3	1/5	1	0.58	42.44	10.32	46.65			0.59	0.52
59		3	4		0.47	30.66	38.74	30.20			0.41	0.50
62		3	2		0.60	20.12	35.10	44.38			0.39	0.62
65		3	1/5	1	0.53	63.34	35.86				0.81	0.36
70		3	3		0.50	35.09	38.33	25.66			0.92	0.45
75		3	1/5	2	0.47	10.63	30.07	58.88			0.42	0.74

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

Mean Item-Total Corr.: 0.40 Mean *p*-Value: 0.72

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
5	3	4	1/4	0.36	0.56	0.88	40	4	4	1/4	0.42	0.47	0.79
7	3	1	3	0.49	0.11	0.72	41	4	5		0.35	0.53	0.61
8	3	1	1/4	0.23	0.19	0.32	42	4	1	2	0.16	0.46	0.35
9	3	6	1/4	0.21	0.26	0.57	43	4	5		0.30	0.70	0.68
10	3	5		0.32	0.09	0.57	44	4	5		0.31	0.64	0.60
13	3	1	2	0.38	0.39	0.54	45	4	6	2	0.25	0.78	0.32
14	3	1	2	0.42	1.11	0.60	48	4	5		0.34	2.63	0.68
15	3	1	2	0.47	0.23	0.77	49	4	5		0.36	2.23	0.62
16	3	1	3	0.34	0.34	0.80	50	4	5		0.31	2.37	0.50
17	3	1	3	0.37	0.47	0.91	51	4	5		0.35	2.47	0.73
19	3	1	1/4	0.47	0.53	0.82	52	4	1	2	0.39	2.71	0.50
20	3	4	1/4	0.36	0.45	0.80	95	6	1	3	0.37	0.04	0.61
21	3	1	1/4	0.36	0.60	0.84	96	6	1	3	0.44	0.12	0.69
22	3	1	1/4	0.38	0.57	0.61	97	6	6	1/4	0.38	0.10	0.94
24	3	5		0.57	1.12	0.67	98	6	4	1/4	0.35	0.27	0.84
25	3	1	3	0.44	1.18	0.92	100	6	6	1/4	0.49	0.08	0.80
26	4	6	1/4	0.52	0.12	0.75	101	6	1	3	0.50	0.09	0.84
27	4	5		0.35	0.13	0.67	102	6	4	1/4	0.50	0.21	0.79
29	4	1	1/4	0.44	0.42	0.71	104	6	6	1/4	0.55	0.38	0.76
30	4	1	1/4	0.41	0.29	0.88	105	6	5		0.43	0.20	0.80
31	4	5		0.29	0.26	0.71	108	6	1	2	0.44	0.29	0.80
33	4	1	1/4	0.44	0.19	0.83	109	6	4	2	0.42	0.50	0.59
34	4	1	3	0.28	0.47	0.60	110	6	1	2	0.56	0.66	0.74
35	4	1	1/4	0.52	0.24	0.85	111	6	1	3	0.36	0.24	0.63
36	4	6	1/4	0.50	0.29	0.75	112	6	1	3	0.45	0.23	0.91
37	4	5		0.43	0.35	0.83	113	6	5		0.41	0.16	0.84
38	4	1	1/4	0.45	0.28	0.78	114	6	5		0.52	0.15	0.88
39	4	4	1/4	0.54	0.40	0.84	115	6	5		0.47	0.15	0.90

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

Mean Item-Total Corr.: 0.49 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
4		3	1	1/4	0.43	48.77	31.43	18.76			1.03	0.34
6		3	6	1/4	0.40	18.49	43.27	19.88	16.48		1.88	0.44
11		3	4	2	0.44	32.16	19.99	24.80	22.24		0.81	0.45
12		3	4	2	0.51	16.09	3.78	26.30	53.21		0.61	0.72
18		3	6	1/4	0.52	21.13	40.48	36.94			1.45	0.57
23		3	6	1/4	0.49	38.59	30.85	27.96			2.61	0.43
28		4	4	1/4	0.62	24.39	24.58	37.84	12.13		1.06	0.46
32		4	1	1/4	0.56	22.52	35.84	21.01	19.28		1.36	0.45
46		4	5		0.54	9.56	24.13	63.77			2.54	0.76
47		4	5		0.42	41.06	30.36	23.66			4.92	0.39
99		6	6	1/4	0.48	16.12	44.21	31.66	7.22		0.79	0.43
103		6	6	1/4	0.57	34.85	33.26	29.03	1.57		1.28	0.32
106		6	4	2	0.54	41.81	30.33	25.67			2.19	0.41
107		6	4	2	0.39	18.52	69.00	11.04			1.44	0.46

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

Mean Item-Total Corr.: 0.39 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
53	5	3	7	0.42	0.10	0.82	74	5	3	7	0.52	0.51	0.76
54	5	2	8	0.38	0.11	0.92	75	5	3	8	0.48	0.57	0.89
55	5	2	8	0.43	0.08	0.85	76	5	3	7	0.44	0.82	0.74
56	5	3	7	0.40	0.32	0.77	77	5	3	7	0.33	0.57	0.58
57	5	2	5	0.39	0.23	0.72	78	5	3	7	0.31	1.36	0.64
58	5	2	5	0.46	0.23	0.83	79	5	3	7	0.33	0.91	0.49
59	5	3	7	0.46	0.61	0.74	80	5	3	7	0.23	1.28	0.69
60	5	2	5	0.29	0.33	0.44	81	5	3	7	0.37	1.44	0.52
61	5	3	7	0.47	0.37	0.78	82	5	2	8	0.39	0.94	0.71
62	5	3	7	0.38	0.50	0.88	83	5	2	5	0.30	0.96	0.42
63	5	2	5	0.42	0.40	0.90	84	5	3	8	0.33	1.39	0.58
64	5	3	7	0.36	0.73	0.67	85	5	2	5	0.22	1.17	0.61
65	5	3	7	0.41	0.43	0.63	86	5	3	8	0.49	1.34	0.85
66	5	3	7	0.48	0.71	0.82	87	5	2	5	0.37	1.33	0.60
67	5	3	7	0.27	0.63	0.43	88	5	2	5	0.41	1.68	0.60
68	5	3	7	0.46	0.52	0.83	89	5	2	5	0.32	1.46	0.61
69	5	2	5	0.22	0.46	0.48	90	5	3	7	0.50	1.86	0.77
70	5	2	7	0.25	0.36	0.43	91	5	3	7	0.49	1.92	0.63
71	5	3	8	0.49	0.52	0.85	92	5	3	7	0.47	2.35	0.68
72	5	3	7	0.50	0.64	0.80	93	5	2	7	0.44	2.14	0.55

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

Mean Item-Total Corr.: 0.41 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	0.11	0.69	99.31				0.00	0.99
2	A	2	3	7	0.31	84.57	15.32				0.11	0.15
2	B	2	3	8	0.26	31.17	68.73				0.10	0.69
2	C	2	3	8	0.43	23.92	75.98				0.10	0.76
2	D	2	3	8	0.35	61.32	38.58				0.10	0.39
2	E	2	3	7	0.52	38.48	61.42				0.10	0.61
2	F	2	3	8	0.17	90.73	9.17				0.10	0.09
3	A	2	2	6	0.58	0.92	1.51	19.97	42.21	35.21	0.17	0.77
3	B	2	2	6	0.63	0.50	3.38	23.03	38.93	33.98	0.17	0.76
3	C	2	3	6	0.42	1.21	6.64	91.98			0.17	0.95
73		5	2	5	0.50	0.18	2.88	25.61	50.84	19.28	1.21	0.71
94		5	2	5	0.46	0.56	4.00	40.02	40.64	9.85	4.93	0.61
116		5	2	5	0.54	0.61	4.92	29.06	45.13	19.27	1.01	0.69

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

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

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	1		0.41	0.18	0.63	31	2	3		0.44	0.12	0.70
2	1	2		0.36	0.09	0.90	32	2	3		0.51	0.30	0.62
3	1	2		0.45	0.24	0.57	34	2	1		0.30	0.23	0.58
5	1	1		0.33	0.13	0.49	35	2	2	2	0.41	0.37	0.32
6	1	6		0.35	0.71	0.85	37	2	4/5		0.28	0.48	0.86
7	1	1	1	0.40	0.16	0.57	38	2	2	2	0.37	0.30	0.59
8	1	6	1	0.30	0.15	0.59	39	2	6		0.41	0.71	0.77
9	1	4/5		0.37	0.12	0.80	41	3	4/5		0.47	0.07	0.61
10	1	6	1	0.53	0.24	0.62	42	3	4/5	3	0.17	0.13	0.55
12	1	2	2	0.39	0.50	0.51	43	3	1		0.46	0.15	0.39
14	1	4/5		0.45	0.24	0.44	44	3	6		0.43	0.32	0.62
15	1	6		0.49	0.59	0.40	45	3	1	1	0.34	0.30	0.48
16	1	3		0.34	0.36	0.57	47	3	1	1	0.52	0.19	0.67
18	1	4/5	3	0.46	0.63	0.25	48	3	4/5		0.39	0.15	0.51
19	1	1		0.61	0.49	0.55	49	3	6		0.61	0.83	0.51
21	2	4/5	3	0.46	0.07	0.66	50	3	1		0.55	0.46	0.53
22	2	6		0.44	0.24	0.83	52	3	6		0.35	0.91	0.89
24	2	3		0.43	1.42	0.59	54	3	4/5		0.26	0.17	0.59
25	2	3		0.46	0.09	0.74	55	3	4/5	3	0.33	0.26	0.58
26	2	2	2	0.45	0.16	0.53	56	3	2	2	0.38	0.36	0.46
28	2	1		0.24	0.98	0.43	58	3	4/5		0.29	0.37	0.46
29	2	4/5	3	0.13	0.38	0.31	59	3	3		0.39	0.33	0.64
30	2	3		0.46	0.32	0.63							

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

Mean Item-Total Corr.: 0.58 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
4		1	4/5	3	0.54	38.16	46.47	15.16			0.21	0.38
11		1	3		0.49	3.29	11.01	30.00	55.26		0.43	0.79
13		1	4/5	3	0.60	60.08	17.90	21.39			0.63	0.30
17		1	1	1	0.68	19.79	26.87	35.15	15.77		2.42	0.48
20		1	2	2	0.67	5.32	12.22	20.24	49.79	11.77	0.66	0.62
23		2	3		0.40	5.24	29.85	64.77			0.14	0.80
27		2	4/5	3	0.69	47.16	25.12	16.41	10.77		0.54	0.30
33		2	6	1	0.52	27.36	22.60	49.77			0.27	0.61
36		2	2	2	0.51	7.89	13.32	17.97	60.36		0.47	0.77
40		2	3		0.56	18.63	47.16	22.16	6.70	4.87	0.48	0.33
46		3	3		0.46	13.85	39.32	46.49			0.35	0.66
51		3	4/5		0.71	46.25	12.65	20.26	19.50		1.34	0.37
53		3	2	2	0.58	7.87	16.78	27.27	47.82		0.26	0.72
57		3	6	1	0.62	32.55	10.33	56.67			0.44	0.62
60		3	1	1	0.72	18.98	16.08	18.57	22.93	22.92	0.53	0.53

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

Mean Item-Total Corr.: 0.37 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
4	3	1	3	0.41	0.06	0.70	39	4	6	4	0.34	0.32	0.82
5	3	4	1	0.20	0.12	0.41	40	4	6	4	0.31	0.23	0.63
6	3	6	1	0.50	0.11	0.81	41	4	5		0.39	0.20	0.71
7	3	5		0.31	0.15	0.72	43	4	5		0.49	0.51	0.78
9	3	5		0.41	0.08	0.82	45	4	5		0.50	0.31	0.75
10	3	1	1	0.43	0.20	0.79	46	4	4	2	0.47	0.47	0.87
11	3	1	1	0.39	0.54	0.91	48	4	1	3	0.49	0.40	0.85
12	3	5		0.25	0.14	0.73	49	4	4	2	0.23	0.80	0.62
15	3	6	1	0.32	0.20	0.74	50	4	1	3	0.12	0.51	0.34
16	3	1	1	0.48	0.21	0.82	51	4	5		0.43	0.54	0.77
17	3	1	3	0.49	0.22	0.91	94	6	1	3	0.47	0.05	0.89
18	3	5		0.46	0.18	0.90	95	6	4	2	0.41	0.11	0.82
21	3	4	4	0.48	0.49	0.75	96	6	5		0.27	0.07	0.85
22	3	6	4	0.27	0.58	0.57	98	6	5		0.33	0.52	0.61
23	3	6	4	0.35	0.54	0.67	99	6	1	2	0.26	0.20	0.50
24	3	6	4	0.10	0.61	0.52	100	6	4	2	0.26	0.38	0.60
26	3	6	4	0.27	4.01	0.35	101	6	1	2	0.50	0.36	0.73
27	3	4	4	0.47	3.99	0.81	102	6	1	3	0.47	0.31	0.81
28	3	4	4	0.28	4.02	0.57	103	6	4	2	0.45	0.20	0.70
29	4	1	3	0.30	0.05	0.83	104	6	1	2	0.38	0.49	0.60
30	4	6	1	0.34	0.08	0.76	105	6	4	2	0.36	0.43	0.83
31	4	6	1	0.41	0.17	0.68	107	6	6	2	0.17	0.33	0.51
33	4	5		0.37	0.14	0.76	108	6	1	3	0.27	0.27	0.53
34	4	6	1	0.22	0.24	0.39	109	6	5		0.41	0.29	0.82
35	4	6	1	0.41	0.33	0.48	112	6	1	2	0.42	0.70	0.82
36	4	6	1	0.35	0.33	0.71	113	6	4	2	0.42	0.31	0.61
37	4	6	4	0.42	0.12	0.65	114	6	1	3	0.41	0.38	0.69
38	4	6	4	0.41	0.15	0.89	115	6	1	3	0.46	0.46	0.91

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

Mean Item-Total Corr.: 0.52 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
8		3	4	1	0.59	19.14	21.28	43.30	15.43		0.85	0.51
13		3	1	1	0.61	15.55	11.02	19.42	52.51		1.50	0.69
14		3	1	1	0.40	8.03	21.99	68.87			1.11	0.80
19		3	5		0.52	13.08	16.31	67.89			2.72	0.76
20		3	5		0.55	9.43	29.40	36.89	23.00		1.28	0.57
25		3	6	4	0.50	9.43	57.51	18.17	8.98	3.36	2.55	0.34
32		4	4	1	0.58	34.96	36.45	26.60			1.98	0.45
42		4	1	4	0.60	12.10	12.47	26.97	46.85		1.60	0.69
44		4	1	2	0.38	38.63	50.65	8.03			2.70	0.33
47		4	1	2	0.45	17.35	50.76	29.51			2.38	0.55
97		6	5		0.44	16.62	19.17	33.79	27.17		3.25	0.56
106		6	1	2	0.65	20.94	45.45	31.48			2.13	0.54
110		6	4	2	0.57	29.57	36.78	31.10			2.55	0.49
111		6	4	2	0.40	12.29	68.24	17.59			1.88	0.52

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

Mean Item-Total Corr.: 0.41 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
52	5	3	7	0.39	0.09	0.86	73	5	3	7	0.49	0.69	0.73
53	5	3	7	0.29	0.21	0.81	74	5	2	5	0.33	0.39	0.68
54	5	3	7	0.23	0.32	0.65	75	5	3	7	0.51	0.61	0.72
55	5	2	5	0.30	0.11	0.75	76	5	3	7	0.30	1.42	0.52
56	5	3	7	0.34	0.55	0.73	77	5	3	7	0.53	0.61	0.67
57	5	2	5	0.32	0.17	0.72	78	5	3	7	0.47	0.42	0.91
58	5	3	7	0.42	0.65	0.88	79	5	3	8	0.38	0.50	0.65
59	5	3	7	0.40	0.25	0.78	80	5	3	8	0.51	0.55	0.88
60	5	3	7	0.44	0.56	0.72	81	5	2	5	0.36	0.66	0.61
61	5	3	8	0.45	0.38	0.79	82	5	2	5	0.48	0.63	0.76
62	5	2	8	0.20	0.43	0.82	83	5	3	7	0.53	0.74	0.79
63	5	2	5	0.38	0.23	0.76	84	5	2	5	0.56	0.59	0.77
64	5	2	5	0.24	0.26	0.54	85	5	2		0.47	0.86	0.80
65	5	3	8	0.39	1.14	0.75	86	5	2	5	0.45	0.81	0.73
66	5	2	7	0.34	0.32	0.85	87	5	3	7	0.42	0.93	0.74
67	5	2	7	0.49	0.32	0.84	88	5	3	7	0.56	1.11	0.81
68	5	2	5	0.24	0.19	0.64	89	5	3	8	0.53	1.80	0.83
69	5	3	7	0.51	1.58	0.74	90	5	3	8	0.19	1.14	0.27
71	5	3	7	0.45	0.24	0.83	91	5	2		0.47	1.10	0.70
72	5	3	7	0.48	0.52	0.83	92	5	3	7	0.57	1.18	0.71

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

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

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	7	0.31	7.70	92.21				0.09	0.92
2	B	2	3	7	0.37	12.58	87.33				0.08	0.87
2	C	2	3	8	0.37	54.71	45.20				0.09	0.45
2	D	2	3	8	0.30	78.94	20.95				0.11	0.21
2	E	2	3	7	0.19	9.06	90.83				0.11	0.91
2	F	2	3	8	0.31	54.71	45.20				0.09	0.45
3	A	2	2	6	0.58	10.80	10.53	35.63	33.81	9.12	0.11	0.55
3	B	2	2	6	0.60	0.11	9.05	44.79	36.46	9.46	0.12	0.61
3	C	2	3	6	0.47	0.20	11.74	87.94			0.12	0.94
70		5	2	5	0.49	0.26	4.15	40.60	46.62	7.28	1.09	0.64
93		5	2	5	0.51	0.25	4.97	37.25	42.19	11.78	3.56	0.63
116		5	2	5	0.50	0.20	4.25	46.53	39.49	8.44	1.10	0.62

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

Mean Item-Total Corr.: 0.39 Mean *p*-Value: 0.51

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	2		0.48	0.23	0.51	32	2	3		0.46	0.35	0.45
2	1	4/5		0.51	0.21	0.65	33	2	2		0.45	0.63	0.37
4	1	1/6	1	0.45	0.22	0.60	35	2	2		0.48	0.32	0.46
5	1	1/6		0.35	0.22	0.51	36	2	4/5		0.36	0.17	0.41
7	1	3		0.39	0.28	0.76	37	2	1/6		0.44	0.19	0.58
8	1	1/6	1	0.43	0.27	0.70	38	2	4/5	2	0.14	0.35	0.47
9	1	2		0.18	0.30	0.34	39	2	2		0.56	0.27	0.41
10	1	4/5		0.51	0.26	0.51	41	3	2		0.30	0.06	0.55
12	1	3		0.43	0.22	0.59	42	3	1/6		0.42	0.10	0.68
13	1	4/5		0.24	0.29	0.27	44	3	1/6		0.47	0.38	0.55
14	1	4/5		0.23	0.55	0.38	45	3	1/6		0.35	0.23	0.53
16	1	4/5		0.41	0.56	0.44	46	3	2		0.28	0.38	0.28
17	1	3		0.39	0.60	0.64	47	3	1/6		0.45	0.47	0.47
18	1	4/5	2	0.46	0.79	0.38	49	3	3		0.46	0.27	0.78
19	1	1/6	1	0.44	1.01	0.53	50	3	1/6		0.29	0.48	0.66
21	2	3		0.36	0.10	0.48	52	3	3		0.29	0.33	0.49
22	2	1/6		0.27	0.28	0.48	53	3	4/5		0.34	0.42	0.53
24	2	3		0.49	0.24	0.61	54	3	1/6	1	0.48	0.65	0.44
25	2	1/6		0.45	0.24	0.37	55	3	4/5		0.45	0.66	0.57
27	2	4/5	2	0.60	0.24	0.38	57	3	2		0.32	0.17	0.31
28	2	2		0.46	0.49	0.54	58	3	4/5		0.51	0.44	0.60
29	2	1/6	1	0.35	0.32	0.39	59	3	3		0.21	0.49	0.28
31	2	1/6		0.26	2.19	0.87							

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

Mean Item-Total Corr.: 0.56 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
3		1	1/6	1	0.43	70.41	22.07	5.51			2.01	0.17
6		1	2		0.64	8.17	16.22	42.21	33.28		0.12	0.67
11		1	4/5	2	0.45	50.71	36.97	9.97			2.35	0.28
15		1	4/5	2	0.71	31.23	28.00	21.18	18.78		0.81	0.42
20		1	1/6	1	0.68	28.98	36.85	14.76	7.08	9.56	2.78	0.31
23		2	4/5	2	0.60	67.96	9.34	21.29			1.42	0.26
26		2	2		0.42	5.32	9.93	14.13	70.36		0.27	0.83
30		2	1/6		0.44	27.05	19.69	52.69			0.57	0.63
34		2	3		0.70	23.85	26.27	29.52	20.14		0.22	0.49
40		2	4/5	2	0.73	58.47	9.19	9.16	5.90	16.78	0.50	0.28
43		3	2		0.65	62.69	12.53	22.94			1.85	0.29
48		3	1/6		0.60	5.15	10.91	44.57	38.98		0.39	0.72
51		3	3		0.31	12.81	53.37	33.28			0.54	0.60
56		3	4/5	2	0.52	24.70	43.61	24.89	6.03		0.78	0.37
60		3	3		0.57	28.48	25.15	23.59	18.17	2.75	1.85	0.34

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

Mean Item-Total Corr.: 0.35 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	0.21	0.11	0.81	39	4	5		0.36	0.07	0.79
5	3	6	1	0.37	0.06	0.87	40	4	6	1	0.27	0.25	0.42
7	3	1	3	0.41	0.08	0.68	41	4	6	1	0.48	0.25	0.57
8	3	5		0.36	0.11	0.76	42	4	1	3	0.41	0.06	0.87
9	3	1	1	0.41	0.38	0.64	43	4	4	2	0.17	0.28	0.58
11	3	6	1	0.44	0.13	0.90	45	4	1	3	0.43	0.23	0.90
12	3	1	1	0.25	0.15	0.80	47	4	5		0.39	0.31	0.79
13	3	4	1	0.23	0.30	0.76	49	4	1	3	0.23	0.48	0.38
14	3	1	3	0.44	0.17	0.81	50	4	4	4	0.48	0.32	0.75
15	3	1	3	0.47	0.22	0.75	51	4	4	4	0.22	0.48	0.52
16	3	1	1	0.42	0.24	0.83	52	4	1	4	0.45	0.39	0.71
17	3	4	1	0.31	0.25	0.37	53	4	4	4	0.38	0.86	0.63
18	3	4	1	0.33	0.37	0.76	55	4	6	4	0.22	0.68	0.42
22	3	1	2	0.31	2.19	0.83	56	4	6	4	0.41	0.61	0.53
23	3	4	2	0.28	2.35	0.37	99	6	5		0.33	0.08	0.61
24	3	4	2	0.26	2.47	0.60	100	6	5		0.12	0.10	0.56
25	3	4	2	0.44	2.68	0.77	101	6	5		0.35	0.16	0.52
26	3	1	2	0.44	3.02	0.85	103	6	6	2	0.25	0.10	0.75
27	3	1	3	0.50	3.90	0.73	104	6	1	2	0.41	0.26	0.75
28	3	6	4	0.33	4.13	0.52	105	6	5		0.19	0.14	0.42
29	3	1	3	0.37	4.52	0.49	106	6	1	3	0.43	0.21	0.88
31	3	1	4	0.47	6.55	0.78	107	6	5		0.25	0.33	0.66
32	3	5		0.37	6.66	0.75	109	6	5		0.29	1.04	0.50
33	3	4	4	0.50	7.22	0.70	111	6	4	2	0.37	0.42	0.68
34	3	6	4	0.41	7.25	0.61	112	6	4	2	0.37	0.55	0.72
35	4	1	3	0.28	0.04	0.86	113	6	1	3	0.49	0.37	0.81
36	4	6	1	0.32	0.07	0.77	114	6	5		0.32	0.54	0.62
37	4	6	1	0.41	0.26	0.70	115	6	5		0.44	0.56	0.68

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

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

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	0.46	15.76	35.21	47.96			1.07	0.66
10		3	6	1	0.55	11.22	35.56	35.79	14.06		3.37	0.50
19		3	5		0.54	12.31	34.92	48.84			3.93	0.66
20		3	1	2	0.49	13.32	40.55	29.31	13.27		3.56	0.46
21		3	1	2	0.46	4.50	14.75	76.60			4.14	0.84
30		3	6	4	0.61	17.20	39.57	23.70	9.03		10.51	0.38
38		4	4	1	0.58	28.48	38.27	31.10			2.15	0.50
44		4	1	2	0.35	36.60	52.61	8.49			2.30	0.35
46		4	4	2	0.56	17.50	48.53	21.90	10.08		1.99	0.41
48		4	1	2	0.43	12.69	49.47	35.23			2.60	0.60
54		4	6	4	0.44	50.59	32.14	8.15	5.15		3.97	0.21
102		6	4	2	0.36	18.00	48.83	21.61	9.32		2.24	0.40
108		6	5		0.41	9.60	18.45	65.70			6.25	0.75
110		6	5		0.60	12.45	15.33	26.56	41.46		4.20	0.64

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

Mean Item-Total Corr.: 0.38 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	2		0.44	0.08	0.72	78	5	3	7	0.39	0.29	0.60
58	5	3	8	0.45	0.12	0.76	79	5	3	8	0.37	0.28	0.39
59	5	2		0.10	0.48	0.90	80	5	2		0.38	0.19	0.90
60	5	3	7	0.33	0.10	0.93	81	5	2	5	0.28	0.42	0.38
61	5	2		0.42	0.21	0.71	82	5	2	7	0.36	0.31	0.53
62	5	3	7	0.31	0.22	0.81	83	5	2		0.38	0.66	0.64
63	5	3	7	0.38	0.47	0.67	84	5	3	7	0.33	0.34	0.72
64	5	3	7	0.24	0.54	0.53	85	5	3	7	0.51	0.69	0.78
65	5	3	7	0.36	0.53	0.63	86	5	3	7	0.38	1.05	0.61
66	5	3	7	0.38	0.28	0.85	87	5	3	7	0.51	0.56	0.71
67	5	3	8	0.35	0.26	0.62	88	5	3	8	0.51	0.66	0.86
68	5	2	5	0.35	0.25	0.74	89	5	3	7	0.51	0.59	0.70
69	5	2	7	0.33	0.17	0.48	90	5	2	5	0.26	0.53	0.38
70	5	3	8	0.42	0.28	0.77	91	5	2		0.31	0.43	0.48
71	5	3	7	0.46	0.34	0.89	92	5	2	7	0.51	0.45	0.81
72	5	3	8	0.12	0.31	0.68	93	5	3	7	0.51	0.64	0.84
73	5	3	8	0.36	0.26	0.80	94	5	3	7	0.51	0.66	0.71
74	5	3	8	0.40	0.46	0.78	95	5	3	7	0.52	0.62	0.86
76	5	3	7	0.38	0.22	0.94	96	5	2	5	0.49	0.72	0.69
77	5	2	5	0.34	0.27	0.92	97	5	2	5	0.42	0.69	0.70

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

Mean Item-Total Corr.: 0.41 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	0.10	0.77	99.23				0.00	0.99
2	A	2	3	8	0.30	20.42	79.52				0.07	0.80
2	B	2	3	7	0.42	17.35	82.58				0.07	0.83
2	C	2	3	7	0.35	29.29	70.64				0.06	0.71
2	D	2	3	8	0.25	22.23	77.70				0.07	0.78
2	E	2	3	8	0.43	34.55	65.38				0.07	0.65
2	F	2	3	8	0.42	38.21	61.72				0.07	0.62
3	A	2	2	6	0.59	0.98	4.92	38.65	41.42	13.89	0.13	0.66
3	B	2	2	6	0.61	0.14	4.79	39.27	41.32	14.34	0.14	0.66
3	C	2	3	6	0.40	0.18	7.37	92.31			0.13	0.96
75		5	2	5	0.49	0.15	3.50	31.77	52.99	10.48	1.10	0.67
98		5	2	5	0.51	0.32	7.42	41.25	38.84	8.62	3.55	0.60
116		5	2	5	0.48	0.13	5.88	39.35	42.69	10.08	1.86	0.63

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

Mean Item-Total Corr.: 0.39 Mean *p*-Value: 0.50

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	4/5		0.17	0.24	0.45	32	2	1/6		0.36	0.62	0.46
2	1	4/5		0.41	0.24	0.46	33	2	4/5	3	0.54	0.28	0.60
3	1	3		0.43	0.26	0.37	34	2	1/6		0.51	0.39	0.37
5	1	3		0.50	0.18	0.52	36	2	3		0.27	0.21	0.67
6	1	2		0.36	0.34	0.57	37	2	2		0.26	0.29	0.42
7	1	3		0.48	0.42	0.64	38	2	1/6		0.50	0.24	0.45
8	1	1/6	2	0.44	0.29	0.41	39	2	2	1	0.56	0.34	0.39
10	1	2	1	0.56	0.24	0.67	41	3	4/5	3	0.14	0.15	0.35
11	1	3		0.24	0.22	0.46	42	3	4/5		0.40	0.10	0.52
12	1	2		0.40	0.32	0.54	43	3	2		0.60	0.18	0.43
13	1	4/5	2	0.59	0.47	0.41	45	3	4/5		0.37	0.14	0.49
15	1	4/5		0.15	0.69	0.42	46	3	4/5	3	0.42	0.49	0.59
16	1	2	1	0.42	0.53	0.40	48	3	3		0.40	0.27	0.62
17	1	4/5	2	0.43	0.69	0.29	49	3	1/6		0.40	0.27	0.58
19	1	3		0.13	2.10	0.14	51	3	2	1	0.43	0.29	0.43
21	2	1/6		0.27	0.30	0.73	52	3	4/5		0.42	0.35	0.58
22	2	2	1	0.23	0.13	0.82	54	3	1/6		0.48	0.37	0.65
23	2	1/6		0.27	0.31	0.51	55	3	3		0.42	0.22	0.77
24	2	3		0.52	0.14	0.57	56	3	4/5		0.11	0.35	0.46
26	2	2	1	0.47	0.08	0.50	57	3	1/6		0.38	0.33	0.17
28	2	2		0.51	0.31	0.32	58	3	1/6		0.56	0.34	0.49
29	2	1/6	3	0.40	0.21	0.67	59	3	4/5	3	0.31	0.31	0.51
31	2	4/5	2	0.29	0.31	0.57							

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

Mean Item-Total Corr.: 0.60 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
4		1	2	1	0.64	48.00	16.87	32.90			2.23	0.41
9		1	3		0.58	15.20	26.54	46.64	10.61		1.00	0.51
14		1	1/6		0.53	70.74	6.77	17.85			4.65	0.21
18		1	4/5	3	0.51	52.02	24.21	20.12	1.42		2.22	0.23
20		1	1/6	2	0.68	46.26	16.17	14.02	12.13	5.16	6.26	0.25
25		2	2	1	0.65	26.31	48.78	24.24			0.67	0.49
27		2	1/6		0.58	3.60	8.41	40.17	47.35		0.47	0.77
30		2	4/5	2	0.63	37.32	30.77	30.65			1.26	0.46
35		2	2		0.60	24.02	36.51	9.18	29.22		1.07	0.48
40		2	4/5	3	0.71	36.03	27.60	16.57	10.07	9.03	0.69	0.32
44		3	1/6		0.44	65.78	25.10	6.93			2.19	0.19
47		3	4/5	3	0.55	13.59	53.70	23.00	9.05		0.67	0.42
50		3	3	1	0.63	64.92	21.31	12.56			1.20	0.23
53		3	3		0.58	15.78	16.87	43.51	22.85		0.99	0.57
60		3	2	1	0.67	5.60	9.26	25.78	28.79	29.99	0.59	0.67

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

Mean Item-Total Corr.: 0.34 Mean *p*-Value: 0.58

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	2	3	0.28	0.08	0.71	42	2	1/5	1	0.30	0.40	0.58
2	1	4	6	0.42	0.07	0.76	44	2	1/5	1	0.21	0.37	0.54
4	1	3		0.45	0.06	0.74	46	2	3	5	0.34	0.21	0.43
5	1	3	5	0.19	0.19	0.31	47	2	4	6	0.27	0.50	0.58
6	1	1/5	2	0.37	0.12	0.52	48	2	2		0.44	0.56	0.47
7	1	4		0.38	0.08	0.59	50	2	2	3	0.22	0.20	0.57
8	1	1/5		0.33	0.22	0.43	51	2	2	3	0.37	0.21	0.59
9	1	1/5	1	0.40	0.15	0.46	52	2	1/5	1	0.38	0.21	0.59
10	1	1/5	2	0.36	0.17	0.63	53	2	1/5		0.51	0.29	0.76
11	1	4		0.14	0.14	0.55	54	2	4	6	0.45	0.31	0.66
12	1	2		0.21	0.56	0.44	56	3	4	6	0.26	0.09	0.76
13	1	3		0.27	0.12	0.34	57	3	2	3	0.28	0.14	0.48
15	1	1/5	2	0.45	0.08	0.66	60	3	1/5	2	0.38	0.17	0.71
16	1	3		0.25	0.28	0.55	61	3	4		0.35	0.23	0.78
17	1	3	5	0.35	0.22	0.66	62	3	2		0.45	0.17	0.48
18	1	1/5	1	0.43	0.16	0.47	63	3	4	6	0.36	0.21	0.79
19	1	3	5	0.26	0.21	0.45	65	3	1/5	1	0.44	0.22	0.61
26	2	2	3	0.31	0.16	0.80	66	3	1/5	2	0.32	0.40	0.68
27	2	3	5	0.37	0.02	0.65	68	3	1/5	2	0.19	0.23	0.40
28	2	1/5	2	0.23	0.04	0.62	69	3	4	6	0.27	0.12	0.30
30	2	1/5	1	0.47	0.85	0.64	70	3	2		0.44	0.28	0.63
31	2	3		0.19	0.11	0.35	71	3	4	6	0.39	0.31	0.59
32	2	4	6	0.19	0.31	0.70	73	3	3		0.46	0.14	0.78
33	2	2	3	0.17	0.27	0.40	74	3	1/5	2	0.44	0.18	0.78
34	2	3		0.37	0.14	0.57	76	3	1/5	2	0.44	0.19	0.52
36	2	1/5	2	0.40	0.35	0.62	77	3	2	3	0.35	0.49	0.70
37	2	4		0.31	0.57	0.50	78	3	1/5	2	0.21	0.23	0.60
39	2	3	5	0.17	0.40	0.54	79	3	2	3	0.44	0.36	0.41
40	2	1/5	2	0.51	0.16	0.71	80	3	2	3	0.13	0.27	0.40
41	2	1/5	2	0.56	0.16	0.52	82	3	1/5	1	0.32	0.46	0.70

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

Mean Item-Total Corr.: 0.45 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
3		1	2		0.46	42.02	34.80	21.49			1.69	0.39
14		1	2	3	0.33	73.53	25.94				0.52	0.26
20		1	1/5	1	0.47	47.32	51.84				0.84	0.52
21		1	1/5	1	0.34	30.42	68.95				0.63	0.69
22		1	1/5	1	0.48	21.20	29.76	47.77			1.27	0.63
23		1	1/5	1	0.42	33.33	65.44				1.22	0.65
24		1	1/5	2	0.59	20.68	18.83	14.38	22.09	22.62	1.40	0.51
25		1	1/5	2	0.62	24.88	28.49	44.12			2.51	0.58
29		2	1/5	1	0.20	72.79	25.41				1.80	0.25
35		2	3		0.41	33.34	54.21	11.43			1.02	0.39
38		2	1/5	2	0.41	58.83	39.46				1.70	0.39
43		2	3		0.37	50.93	48.43				0.64	0.48
45		2	2	3	0.27	66.89	26.79				6.32	0.27
49		2	3		0.45	27.86	59.79	11.11			1.23	0.41
55		2	2	3	0.60	48.03	30.65	18.84			2.48	0.34
58		3	4	6	0.28	75.67	21.57				2.76	0.22
59		3	1/5	1	0.69	11.02	18.46	31.62	37.49		1.40	0.65
64		3	1/5	1	0.57	43.01	49.83	5.64			1.51	0.31
67		3	1/5	2	0.55	30.74	27.86	38.98			2.42	0.53
72		3	4	6	0.43	66.22	24.85	5.56			3.37	0.18
75		3	3		0.62	39.37	38.96	20.79			0.87	0.40
81		3	4	6	0.43	62.56	35.11				2.34	0.35
83		3	3		0.37	19.21	72.21	7.56			1.02	0.44

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

Mean Item-Total Corr.: 0.33 Mean *p*-Value: 0.66

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
5	3	1	2	0.17	0.09	0.85	41	4	6	4	0.44	0.39	0.62
6	3	4	2	0.37	0.23	0.49	42	4	6	4	0.23	0.55	0.41
8	3	4	2	0.35	0.16	0.85	43	4	4	4	0.42	0.74	0.68
9	3	1	2	0.33	0.10	0.92	44	4	1	2	0.27	1.54	0.49
10	3	1	3	0.32	0.13	0.85	45	4	1	3	0.25	1.09	0.76
11	3	1	3	0.35	0.19	0.48	46	4	1	3	0.33	1.12	0.59
12	3	6	1	0.27	0.34	0.67	47	4	5		0.42	1.28	0.65
14	3	1	1	0.49	0.17	0.81	48	4	5		0.45	1.35	0.70
15	3	5		0.18	0.15	0.75	49	4	5		0.44	1.74	0.65
16	3	6	1	0.28	0.39	0.30	50	4	1	3	0.31	1.75	0.66
17	3	5		0.36	0.23	0.59	51	4	5		0.21	2.25	0.29
18	3	6	1	0.32	0.42	0.47	52	4	1	2	0.40	2.11	0.48
20	3	4	1	0.39	0.49	0.67	95	6	1	3	0.26	0.17	0.69
21	3	4	1	0.03	1.15	0.39	97	6	1	3	0.37	0.12	0.90
23	3	4	1	0.39	0.74	0.48	98	6	4	2	0.38	0.26	0.67
25	4	5		0.51	0.11	0.79	100	6	5		0.28	0.09	0.98
26	4	5		0.18	0.19	0.42	101	6	5		0.33	0.14	0.97
28	4	1	2	0.38	0.24	0.91	103	6	1	3	0.45	1.23	0.86
29	4	5		0.32	0.17	0.83	104	6	4	4	0.32	0.12	0.80
30	4	1	2	0.36	0.25	0.58	105	6	5		-0.04	0.08	0.12
32	4	1	3	0.33	0.12	0.59	106	6	6	4	0.13	0.14	0.32
33	4	6	1	0.32	0.17	0.83	107	6	1	4	0.40	0.21	0.59
34	4	5		0.45	0.19	0.81	108	6	1	3	0.33	2.47	0.80
35	4	6	1	0.41	0.22	0.48	109	6	1	3	0.36	0.27	0.72
36	4	1	3	0.47	0.15	0.78	110	6	5		0.31	0.27	0.53
37	4	6	1	0.37	0.28	0.57	111	6	4	1	0.36	0.62	0.64
38	4	4	4	0.47	0.25	0.75	113	6	4	1	0.39	0.46	0.85
39	4	4	4	0.26	0.43	0.60	114	6	5		0.48	0.29	0.81

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

Mean Item-Total Corr.: 0.52 Mean *p*-Value: 0.52

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
4		3	1	2	0.41	8.51	38.11	34.33	18.21		0.84	0.54
7		3	1	2	0.35	2.60	12.37	84.06			0.97	0.90
13		3	1	1	0.54	5.00	54.06	38.16			2.79	0.65
19		3	6	1	0.37	79.47	8.42	4.47			7.64	0.09
22		3	4	1	0.57	27.93	35.43	23.95	5.95		6.75	0.34
24		4	1	2	0.45	5.99	52.41	39.76			1.84	0.66
27		4	4	2	0.52	12.12	43.14	29.90	11.29		3.55	0.46
31		4	5		0.60	10.51	14.29	24.55	47.64		3.01	0.69
40		4	6	4	0.49	45.55	33.11	9.92	6.68		4.73	0.24
96		6	1	2	0.61	11.39	35.12	40.37	8.97		4.15	0.48
99		6	4	2	0.58	8.00	19.10	34.97	34.90		3.03	0.65
102		6	5		0.62	18.43	7.12	22.53	45.76		6.16	0.63
112		6	6	1	0.52	12.50	41.90	35.17	6.14		4.29	0.44
115		6	6	1	0.60	9.25	41.24	28.56	17.19		3.76	0.50

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

Mean Item-Total Corr.: 0.42 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
53	5	3	7	0.28	0.07	0.77	74	5	2	7	0.53	0.39	0.70
54	5	2		0.26	0.13	0.68	75	5	2	5	0.42	0.35	0.77
55	5	2		0.45	0.20	0.81	76	5	2	5	0.19	0.35	0.47
56	5	3	7	0.34	0.19	0.62	77	5	3	7	0.53	0.39	0.67
57	5	3	7	0.30	0.23	0.79	78	5	3	7	0.39	0.61	0.63
58	5	3	8	0.36	0.24	0.90	79	5	3	7	0.51	0.56	0.80
59	5	3	8	0.37	0.17	0.81	80	5	3	8	0.44	0.39	0.78
60	5	3	8	0.43	0.28	0.87	81	5	3	7	0.55	0.84	0.80
61	5	3	7	0.32	0.24	0.61	82	5	3	7	0.52	0.66	0.63
62	5	3	8	0.34	0.18	0.65	83	5	2	5	0.43	0.53	0.69
63	5	3	8	0.31	0.38	0.64	84	5	2	5	0.38	0.56	0.56
64	5	3	7	0.57	0.55	0.83	85	5	2	5	0.25	0.56	0.43
65	5	2	5	0.27	0.23	0.41	86	5	3	7	0.47	0.63	0.64
66	5	2	5	0.34	0.20	0.52	87	5	3	7	0.58	0.65	0.70
67	5	3	7	0.51	0.30	0.88	88	5	3	7	0.53	0.90	0.86
68	5	3	8	0.47	0.36	0.83	89	5	3	7	0.54	0.75	0.75
69	5	3	7	0.49	0.79	0.83	90	5	2	5	0.22	0.61	0.74
70	5	2	5	0.40	0.23	0.56	91	5	3	7	0.51	0.74	0.73
71	5	2	5	0.53	0.30	0.69	92	5	2	5	0.49	0.87	0.58
73	5	2	5	0.26	0.35	0.62	93	5	3	7	0.56	0.93	0.71

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

Mean Item-Total Corr.: 0.42 Mean *p*-Value: 0.66

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	0.15	1.58	98.42				0.00	0.98
2	A	2	3	8	0.38	20.35	79.50				0.15	0.79
2	B	2	3	7	0.47	35.81	64.04				0.15	0.64
2	C	2	3	7	0.18	48.08	51.70				0.23	0.52
2	D	2	3	8	0.29	77.95	21.83				0.21	0.22
2	E	2	3	7	0.47	33.84	65.99				0.17	0.66
2	F	2	3	8	0.41	47.13	52.67				0.20	0.53
3	A	2	2	6	0.64	0.85	4.95	28.08	53.60	12.29	0.23	0.68
3	B	2	2	6	0.65	0.19	5.41	28.29	53.30	12.58	0.23	0.68
3	C	2	3	6	0.43	0.23	7.34	92.21			0.23	0.96
72		5	2	5	0.44	0.46	4.76	29.58	48.46	14.49	2.25	0.67
94		5	2	5	0.52	0.39	8.71	40.93	39.15	7.36	3.47	0.59
116		5	2	5	0.46	0.21	5.33	41.49	41.91	7.34	3.72	0.61

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

Mean Item-Total Corr.: 0.36 Mean *p*-Value: 0.49

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	0.38	0.10	0.80	31	2	3		0.25	0.30	0.66
3	1	4/5		0.32	0.20	0.58	33	2	2		0.61	0.34	0.43
4	1	2		0.48	0.22	0.44	35	2	3		0.40	0.17	0.60
5	1	1/6		0.44	0.27	0.18	36	2	2		0.52	0.52	0.25
6	1	1/6		0.48	0.26	0.59	37	2	1/6		0.40	0.54	0.48
8	1	2	1	0.44	0.35	0.56	38	2	3		0.32	0.28	0.37
9	1	4/5	2	0.44	0.40	0.38	39	2	3		0.21	0.45	0.17
11	1	1/6		0.39	0.39	0.56	41	3	1/6		0.40	0.10	0.58
12	1	1/6		0.45	0.51	0.47	42	3	3	2	0.36	0.12	0.67
13	1	2		0.22	0.13	0.88	43	3	3	2	0.31	0.21	0.65
15	1	4/5		0.37	0.51	0.34	44	3	2	2	0.27	0.29	0.32
16	1	4/5		0.23	0.33	0.63	45	3	3		0.35	0.42	0.64
17	1	4/5		0.17	0.36	0.33	47	3	2		0.17	0.11	0.78
18	1	2		0.23	0.71	0.40	48	3	4/5		0.61	0.36	0.45
19	1	4/5	2	0.47	0.60	0.30	50	3	3		0.34	0.48	0.74
21	2	3		0.36	0.19	0.45	52	3	2		0.40	0.36	0.32
22	2	2	1	0.33	0.07	0.40	54	3	1/6		0.24	0.44	0.33
24	2	3		0.53	0.15	0.35	55	3	4/5		0.47	0.46	0.39
25	2	1/6		0.24	0.62	0.42	56	3	4/5		0.14	0.37	0.39
26	2	3		0.45	0.13	0.40	57	3	3		0.32	0.27	0.37
27	2	2	1	0.50	0.20	0.33	58	3	2		0.52	0.58	0.38
29	2	1/6		0.17	0.29	0.62	59	3	4/5		0.32	0.53	0.85
30	2	1/6	2	0.36	0.24	0.69							

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

Mean Item-Total Corr.: 0.61 Mean *p*-Value: 0.32

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
2		1	2	1	0.61	22.34	52.48	24.59			0.58	0.51
7		1	2		0.70	43.24	18.35	6.15	29.41		2.85	0.40
10		1	1/6	2	0.54	67.49	6.56	22.51			3.44	0.26
14		1	1/6	2	0.61	55.71	28.87	4.30	9.21		1.91	0.22
20		1	3	1	0.62	17.42	27.20	31.47	15.54	7.19	1.18	0.41
23		2	1/6		0.61	60.69	20.11	16.26			2.93	0.26
28		2	4/5	2	0.63	57.84	25.16	9.68	5.18		2.14	0.20
32		2	4/5		0.44	64.69	20.56	2.80			11.95	0.13
34		2	2		0.66	48.92	27.91	13.39	4.64		5.14	0.23
40		2	4/5		0.72	47.89	25.86	15.67	1.99	6.51	2.09	0.22
46		3	3		0.47	50.60	23.46	25.06			0.87	0.37
49		3	4/5		0.74	49.16	12.07	11.88	24.36		2.53	0.36
51		3	2	1	0.64	24.49	25.84	48.13			1.53	0.61
53		3	3		0.48	34.89	46.87	12.58	3.84		1.82	0.28
60		3	2	1	0.64	33.48	16.70	24.11	7.79	14.76	3.17	0.37

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

Mean Item-Total Corr.: 0.35 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	6	1	0.28	0.16	0.33	40	4	5		0.29	0.25	0.44
5	3	5		0.35	0.06	0.66	41	4	4	2	0.31	0.32	0.66
6	3	6	1	0.33	0.15	0.52	43	4	5		0.47	0.82	0.80
8	3	4	1	0.39	0.18	0.73	44	4	5		0.37	0.39	0.95
9	3	4	1	0.07	0.36	0.36	45	4	5		0.41	0.56	0.62
10	3	4	1	0.22	0.16	0.64	46	4	1	3	0.43	0.85	0.60
12	3	1	3	0.36	0.25	0.53	48	4	6	4	0.51	1.08	0.70
14	3	6	1	0.25	0.37	0.52	49	4	4	4	0.32	1.70	0.48
15	3	1	1	0.38	0.17	0.78	50	4	5		0.41	1.30	0.77
16	3	1	3	0.24	0.19	0.71	52	4	5		0.41	1.69	0.92
17	3	1	3	0.45	0.21	0.88	53	4	4	4	0.17	1.81	0.35
18	3	1	3	0.37	0.20	0.88	96	6	4	1	0.39	0.09	0.82
19	3	5		0.51	0.25	0.81	97	6	5		0.38	0.10	0.62
20	3	4	2	0.04	0.77	0.37	98	6	4	1	0.48	0.15	0.82
22	3	5		0.41	0.35	0.50	99	6	4	1	0.52	0.22	0.91
23	3	5		0.32	0.47	0.84	100	6	1	3	0.28	0.27	0.51
24	3	4	2	0.41	0.50	0.82	102	6	1	3	0.33	0.46	0.84
25	3	1	2	0.27	0.58	0.60	103	6	5		0.48	0.08	0.82
26	3	5		0.45	0.59	0.92	105	6	1	3	0.36	0.14	0.77
28	4	4	2	0.33	0.16	0.75	106	6	4	1	0.36	0.33	0.70
29	4	4	2	0.44	0.13	0.76	107	6	4	1	0.41	0.29	0.88
32	4	6	2	0.13	0.14	0.51	108	6	5		0.32	0.20	0.59
33	4	1	3	0.20	0.20	0.53	110	6	4	4	0.38	0.25	0.69
34	4	5		0.21	0.14	0.29	111	6	6	4	0.40	0.31	0.70
35	4	4	2	0.43	0.20	0.76	112	6	4	4	0.42	0.47	0.60
37	4	1	2	0.56	0.22	0.62	113	6	1	4	0.25	0.31	0.61
38	4	1	3	0.47	0.17	0.91	114	6	1	4	0.17	0.33	0.41
39	4	1	3	0.13	0.26	0.50	115	6	6	4	0.32	0.44	0.64

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Table 78. Constructed-Response Item Analyses, Grade 10 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
7		3	6	1	0.38	74.73	11.63	6.48			7.16	0.12
11		3	4	1	0.54	25.46	34.20	27.13	7.86		5.34	0.37
13		3	1	1	0.63	5.83	12.01	16.47	30.28	31.82	3.58	0.66
21		3	6	2	0.53	2.99	53.05	39.84			4.12	0.66
27		3	5		0.41	23.56	23.26	29.82	19.86		3.50	0.47
30		4	1	2	0.51	9.68	32.84	39.10	16.03		2.34	0.53
31		4	6	2	0.59	16.39	33.45	35.01	11.05		4.10	0.46
36		4	1	2	0.48	17.67	41.94	26.82	8.40		5.17	0.40
42		4	1	2	0.67	14.54	18.68	38.11	24.22		4.46	0.56
47		4	5		0.59	8.74	11.90	25.32	45.72		8.32	0.67
51		4	1	4	0.58	26.20	33.97	13.02	16.09		10.72	0.36
101		6	6	1	0.57	29.28	31.39	35.94			3.39	0.52
104		6	6	1	0.54	8.94	34.36	44.84	8.36		3.50	0.50
109		6	6	1	0.62	6.26	37.67	29.86	22.00		4.21	0.54

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

Mean Item-Total Corr.: 0.41 Mean *p*-Value: 0.72

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
54	5	3	8	0.30	0.08	0.59	75	5	2	5	0.43	0.19	0.74
55	5	3	7	0.43	0.09	0.94	76	5	3	7	0.55	0.33	0.86
56	5	3	7	0.44	0.31	0.91	77	5	2	5	0.39	0.25	0.56
57	5	3	7	0.22	0.11	0.76	78	5	2	5	0.56	0.35	0.69
58	5	3	7	0.46	0.25	0.81	79	5	2	7	0.49	0.21	0.88
59	5	3	7	0.45	0.34	0.84	80	5	3	7	0.47	0.51	0.87
60	5	3	7	0.48	0.15	0.77	81	5	3	7	0.52	0.69	0.90
61	5	3	7	0.22	0.26	0.39	82	5	3	8	0.32	0.77	0.33
62	5	3	7	0.32	0.20	0.47	83	5	3	7	0.53	0.35	0.90
63	5	3	7	0.43	0.22	0.86	84	5	3	7	0.50	0.45	0.92
64	5	3	8	0.29	0.27	0.51	85	5	2	7	0.50	0.33	0.80
65	5	2	7	0.50	0.33	0.82	86	5	2	5	0.26	0.32	0.59
66	5	2	5	0.36	0.17	0.83	87	5	3	7	0.52	0.59	0.80
67	5	2	5	0.18	0.19	0.49	88	5	2	5	0.43	0.38	0.71
68	5	3	7	0.51	0.26	0.69	89	5	2	5	0.40	0.43	0.60
69	5	3	7	0.34	0.42	0.80	90	5	2		0.50	0.33	0.89
70	5	3	7	0.50	0.37	0.83	91	5	3	7	0.53	0.58	0.87
72	5	3	7	0.52	0.15	0.83	92	5	3	8	0.28	0.48	0.43
73	5	2	5	0.30	0.22	0.44	93	5	2	5	0.31	0.52	0.59
74	5	2	5	0.27	0.20	0.58	94	5	3	7	0.47	0.56	0.70

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

Mean Item-Total Corr.: 0.41 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	0.17	1.80	98.20				0.00	0.98
2	A	2	3	7	0.42	32.34	67.50				0.16	0.68
2	B	2	3	8	0.14	29.77	70.06				0.17	0.70
2	C	2	3	8	0.27	24.51	75.33				0.16	0.75
2	D	2	3	8	0.21	20.24	79.58				0.18	0.80
2	E	2	3	8	0.39	61.53	38.21				0.26	0.38
2	F	2	3	7	0.27	17.02	82.81				0.17	0.83
3	A	2	2	6	0.66	0.83	6.98	33.10	37.28	21.60	0.21	0.68
3	B	2	2	6	0.66	0.29	8.09	34.21	36.04	21.15	0.22	0.67
3	C	2	3	6	0.53	0.55	18.87	80.37			0.22	0.90
71		5	2	5	0.50	0.48	5.91	32.30	46.19	12.59	2.54	0.65
95		5	2	5	0.57	0.60	6.96	41.10	39.29	8.16	3.89	0.60
116		5	2	5	0.55	0.61	6.62	35.35	41.86	12.73	2.83	0.63

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

Mean Item-Total Corr.: 0.37 Mean *p*-Value: 0.48

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	0.15	0.35	31	2	3	1	0.36	0.27	0.74
2	1	4/5		0.25	0.12	0.30	33	2	3		0.33	0.39	0.61
3	1	3		0.27	0.13	0.43	34	2	1/6		0.23	0.42	0.24
5	1	1/6		0.30	0.34	0.40	36	2	4/5		0.45	0.40	0.34
6	1	4/5	1	0.28	0.16	0.30	37	2	2	1	0.46	0.16	0.43
8	1	2	1	0.37	0.40	0.25	38	2	2		0.41	0.16	0.62
9	1	4/5		0.43	0.19	0.44	39	2	2	1	0.57	0.23	0.58
10	1	4/5		0.46	0.33	0.31	41	3	2		0.39	0.14	0.51
11	1	4/5		0.53	0.16	0.40	42	3	3		0.36	0.14	0.69
13	1	1/6		0.41	0.17	0.59	43	3	4/5		0.21	0.16	0.33
14	1	3		0.33	0.31	0.60	45	3	1/6		0.46	0.15	0.68
15	1	1/6		0.25	0.28	0.37	46	3	4/5		0.58	0.34	0.36
16	1	2	1	0.40	0.22	0.48	47	3	2		0.28	0.37	0.37
18	1	2		0.57	0.43	0.32	49	3	3	2	0.28	0.64	0.87
19	1	1/6		0.55	0.70	0.34	50	3	1/6		0.56	0.52	0.52
21	2	4/5		0.41	0.37	0.28	51	3	2	1	0.19	0.22	0.80
22	2	3		0.35	0.08	0.74	53	3	3		0.38	0.35	0.51
23	2	3	1	0.44	0.06	0.70	55	3	2		0.38	0.39	0.59
24	2	1/6		0.26	0.49	0.41	56	3	3		0.39	0.34	0.54
26	2	1/6		0.40	0.30	0.62	57	3	3	2	0.33	0.18	0.53
27	2	4/5		0.40	0.28	0.33	58	3	1/6		0.29	0.46	0.35
28	2	1/6		0.23	0.29	0.55	59	3	2		0.41	0.18	0.72
30	2	2		0.14	0.60	0.35							

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

Mean Item-Total Corr.: 0.60 Mean *p*-Value: 0.38

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		0.45	59.01	25.46	4.26			11.26	0.17
7		1	4/5	1	0.59	54.00	30.40	5.73	8.20		1.68	0.22
12		1	2	1	0.67	34.10	33.38	28.91			3.62	0.46
17		1	2	1	0.59	46.47	11.96	32.00	8.10		1.47	0.33
20		1	3	1	0.57	8.81	18.10	31.48	28.69	11.77	1.16	0.54
25		2	3		0.32	11.58	44.05	43.26			1.11	0.65
29		2	3		0.61	18.28	48.83	29.25	2.46		1.18	0.38
32		2	1/6		0.62	51.06	25.77	19.00			4.16	0.32
35		2	2	1	0.57	16.18	20.03	37.78	24.56		1.45	0.56
40		2	2	1	0.71	41.64	34.27	13.00	7.06	1.69	2.33	0.22
44		3	3	2	0.57	37.15	33.08	28.84			0.93	0.45
48		3	1/6		0.71	36.46	13.68	24.47	21.70		3.69	0.43
52		3	2		0.66	60.96	6.13	28.67			4.25	0.32
54		3	4/5	1	0.72	42.22	22.72	12.32	19.19		3.54	0.35
60		3	4/5		0.71	39.98	19.99	13.66	13.45	10.29	2.64	0.32

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

Mean Item-Total Corr.: 0.30 Mean *p*-Value: 0.55

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	3		0.22	0.07	0.75	44	2	3		0.41	0.12	0.82
2	1	3	5	0.33	0.05	0.86	46	2	3	5	0.42	0.20	0.66
3	1	3	5	0.23	0.13	0.28	47	2	4	6	0.46	0.24	0.77
4	1	1/5	1	0.39	0.05	0.44	49	2	3		0.22	0.25	0.47
5	1	1/5	2	0.38	0.12	0.65	50	2	1/5		0.37	0.50	0.73
6	1	2		0.36	0.07	0.78	52	2	2		0.44	0.30	0.37
7	1	2	4	0.17	0.09	0.37	53	2	2	4	0.37	0.27	0.76
8	1	2	4	0.21	0.12	0.35	54	2	1/5		0.38	0.35	0.46
9	1	3	5	0.36	0.10	0.43	55	3	1/5		0.39	0.05	0.84
11	1	1/5		0.41	0.17	0.65	56	3	3		0.34	0.10	0.49
12	1	1/5		0.32	0.13	0.56	57	3	4	6	0.41	0.09	0.71
13	1	4	6	0.29	0.20	0.57	58	3	1/5	1	0.29	0.08	0.29
14	1	2		-0.01	0.19	0.18	59	3	1/5		0.17	0.17	0.29
15	1	3		0.25	0.14	0.64	60	3	4		0.01	0.21	0.25
16	1	1/5	2	0.50	0.10	0.72	61	3	1/5		0.21	0.31	0.44
17	1	2	4	0.23	0.09	0.43	62	3	1/5		0.45	0.22	0.73
18	1	1/5	1	0.45	0.09	0.84	63	3	1/5		0.10	0.30	0.24
19	1	1/5	1	0.29	0.15	0.61	64	3	1/5		0.29	0.34	0.52
20	1	4	6	0.17	0.19	0.60	65	3	4	6	0.24	0.34	0.55
28	2	1/5	1	0.31	0.03	0.85	66	3	4	6	0.36	0.17	0.81
29	2	3	5	0.31	0.15	0.54	69	3	2		0.36	0.39	0.75
30	2	3		0.34	0.16	0.56	70	3	4	6	0.32	0.18	0.87
31	2	4	6	0.34	0.08	0.58	71	3	1/5	2	0.30	0.14	0.73
33	2	1/5	2	0.22	0.72	0.44	72	3	4		0.27	0.13	0.51
35	2	2		0.18	0.11	0.33	74	3	2	4	0.31	0.16	0.62
36	2	1/5	1	0.22	0.12	0.47	75	3	4		0.33	0.19	0.39
37	2	4	6	0.16	0.18	0.45	77	3	3		0.48	0.25	0.61
38	2	3		0.23	0.51	0.39	78	3	3	5	0.29	0.47	0.39
42	2	1/5		0.21	0.17	0.31	79	3	2	4	0.32	0.20	0.33
43	2	4	6	0.12	0.14	0.38	80	3	2	4	0.38	0.28	0.67

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

Mean Item-Total Corr.: 0.39 Mean *p*-Value: 0.38

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	*p*-Value
10		1	4	6	0.44	52.23	36.87	9.21			1.69	0.28
21		1	1/5	2	0.48	13.71	10.23	31.67	22.86	20.35	1.18	0.56
22		1	1/5	1	0.43	39.78	26.54	31.08			2.60	0.44
23		1	1/5	2	0.47	43.76	52.62				3.61	0.53
24		1	1/5	1	0.43	11.60	17.46	30.62	36.37		3.95	0.63
25		1	1/5	2	0.40	64.02	32.98				3.00	0.33
26		1	1/5	1	0.37	45.66	50.49				3.84	0.50
27		1	1/5	1	0.46	49.44	46.59				3.97	0.47
32		2	1/5	1	0.39	21.00	50.59	24.90			3.52	0.50
34		2	1/5	2	0.32	61.67	35.63				2.70	0.36
39		2	4	6	0.37	69.13	28.00				2.88	0.28
40		2	2	4	0.50	60.55	12.39	17.39			9.67	0.24
41		2	3		0.11	63.71	33.90				2.39	0.34
45		2	4		0.13	69.30	11.71	0.27			18.72	0.06
48		2	2		0.38	63.68	26.25	3.00			7.07	0.16
51		2	1/5	1	0.47	42.05	19.76	34.99			3.20	0.45
67		3	2		0.37	79.55	16.92				3.54	0.17
68		3	3		0.41	60.29	22.91	9.78			7.01	0.21
73		3	2		0.44	34.40	61.86				3.74	0.62
76		3	2		0.53	38.90	37.03	21.62			2.45	0.40
81		3	3		0.44	51.61	35.01	9.24			4.15	0.27
82		3	1/5	2	0.25	24.34	36.65	37.05			1.96	0.55
83		3	1/5	1	0.40	36.73	50.15	10.49			2.64	0.36

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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	1.32812	-1.7591	0.1539	24.02	21	0.34638	0.3799	0.2000	19.65
2	0.89565	-1.1066	0.0867	3.32	22	0.84386	-1.2974	0.0276	3.24
3	0.56843	-0.8543	0.0838	4.18	24	0.81136	-1.2608	0.0405	10.74
4	0.83662	-1.8835	0.2000	5.63	25	0.48713	0.1799	0.1539	37.35
6	0.57287	0.8444	0.2459	8.87	26	0.92088	-0.5040	0.1847	11.75
7	0.67464	-1.3626	0.0461	14.28	28	0.98842	-0.0312	0.3857	12.70
8	0.40436	-0.8299	0.2000	4.55	29	0.92123	-0.7374	0.1549	11.25
9	0.37459	-1.7589	0.2000	0.75	30	1.03576	-0.7176	0.4032	9.11
10	0.64726	0.4158	0.0519	20.03	31	0.65713	-1.1792	0.1539	50.32
11	0.53901	-0.5170	0.1737	0.77	33	0.67513	0.6803	0.1127	13.91
12	0.86962	-0.3257	0.2236	14.84	34	1.17087	-0.8152	0.1886	7.48
13	0.96263	-0.9125	0.2621	4.32	35	1.15617	-0.7545	0.2177	8.08
14	0.69031	-1.0612	0.1127	5.86	36	0.63884	-0.9018	0.1377	9.14
16	0.65203	-2.0778	0.2000	39.78	37	0.72254	-0.5594	0.2527	9.30
18	0.79326	-1.9851	0.1539	12.99	38	0.39046	-0.3641	0.2000	22.77
19	0.67153	-1.4525	0.2000	8.62	40	1.0332	0.7730	0.2029	30.27

N=52141 M1=58.7619 M2=572.3633 Critical Z=139.04

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
5		0.67912	-1.6435	-0.7920	2.1045		14.85
15		0.95942	-0.6530	-0.5787			34.33
17		0.84888	-0.3143	-0.9699			26.87
20		0.56617	-1.2126	0.2534	1.5142		42.49
23		0.58051	0.0561	0.7115	2.0047		30.58
27		1.17875	-0.7743	1.6560			100.80
32		0.73737	-1.3580	0.4892	1.7855		88.28
39		0.97451	-0.8376	0.2254			44.99

N=52141 M1=58.7619 M2=572.3633 Critical Z=139.04

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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	0.95777	-0.7643	0.1809	18.05	21	1.24937	-1.3703	0.3558	3.91
3	1.13070	0.4037	0.4993	16.47	22	0.96862	-0.6948	0.3838	14.38
4	1.12885	-1.0015	0.2002	4.32	23	0.52046	-2.5736	0.2000	17.33
5	0.92221	-0.9161	0.2660	9.75	24	1.02498	-0.6763	0.3118	6.82
6	1.36924	-1.4353	0.2743	7.23	25	0.89916	-1.6376	0.2000	1.55
7	0.73156	-2.6655	0.2000	29.38	26	1.19000	-0.2195	0.2264	12.85
8	0.56275	0.0729	0.1920	2.43	27	0.68663	-0.9929	0.1912	0.50
9	0.56041	-1.2797	0.2424	0.65	29	0.55543	-0.1471	0.1264	2.06
11	0.43778	0.3502	0.2000	3.34	30	0.68096	-1.7831	0.2000	0.47
12	0.77780	-1.7395	0.1289	4.71	31	1.16284	1.3876	0.2474	38.88
13	0.77078	0.7934	0.2386	8.11	32	1.17882	-0.4691	0.2218	10.51
14	0.79363	-0.9560	0.2842	13.63	33	0.67146	-1.2858	0.2968	7.14
15	0.81204	-0.7728	0.1596	9.03	34	0.52558	0.2959	0.2359	1.12
16	0.91995	-0.3136	0.3718	15.03	35	0.92495	-0.3100	0.1726	5.27
17	0.89645	-0.0988	0.2091	6.98	36	0.92586	-1.7509	0.2070	24.02
18	0.91863	-0.7642	0.2751	2.46	37	1.07172	-0.8951	0.1934	8.42
19	0.80698	-0.6917	0.3408	3.37	38	0.68981	-0.1529	0.2186	4.74
20	1.25869	-0.9728	0.4319	9.24					

N=62934 M1=43.1415 M2=465.1753 Critical Z=167.82

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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	1.03880	-1.4716				19.57
1	B	1.44208	-0.6107				7.03
1	C	1.36001	-0.7216				11.30
1	D	1.16380	-0.8628				17.05
1	E	0.64063	-2.4207				45.75
1	F	1.34810	-0.9505				133.17
10	A	1.11676	-4.9151	1.4321			98.68
10	B	2.12203	-5.7514				10.58
10	C	1.74359	-1.8956				14.45
10	D	2.04643	-3.3707				6.43
28	A	1.08624	-4.8167	1.1512			54.27
28	B	1.79868	-5.0976				10.76
28	C	1.75244	-1.7784				5.37
28	D	1.95048	-3.1277				4.69
39	A	1.07139	-4.4067	0.9084			52.03
39	B	1.54476	-3.9751				10.82
39	C	1.72304	-1.5356				4.07
39	D	1.84340	-2.9481				8.92

N=62934 M1=43.1415 M2=465.1753 Critical Z=167.82

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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	0.71733	1.2105	0.0828	7.36	21	0.91912	-1.1149	0.4976	2.03
2	1.23493	0.2449	0.1710	13.19	22	1.11409	-0.5170	0.0807	4.43
3	0.69339	-0.3023	0.1863	1.83	23	0.73366	-1.5771	0.2767	5.84
4	0.89722	0.4372	0.2267	6.16	24	1.04706	0.0421	0.2112	10.83
5	0.72885	-0.2931	0.3881	16.06	26	0.60750	-0.6171	0.1613	25.72
7	0.79684	-2.0738	0.1613	16.75	27	0.83271	-1.4262	0.1035	3.45
8	0.87868	-0.2076	0.1809	12.64	28	0.78691	-0.3489	0.1304	5.35
10	0.78570	-0.1720	0.0315	5.12	29	0.49716	-2.2572	0.2000	22.42
11	0.60316	-1.0947	0.2248	8.81	31	1.12222	-0.7993	0.1467	6.27
12	0.89272	-1.9250	0.0573	19.80	32	0.73193	-0.4256	0.1387	1.78
13	0.82870	-0.8995	0.1989	3.76	33	1.02703	-0.1061	0.0400	7.14
15	0.90243	-0.5098	0.3451	5.22	34	0.66066	-1.0230	0.0627	-0.26
16	1.04125	-1.4890	0.0846	7.04	35	1.16866	-0.4704	0.1034	4.09
17	0.49641	-1.2388	0.2000	18.92	36	1.05100	-0.5149	0.0251	4.72
18	1.12196	-0.2622	0.1919	7.88	38	1.08269	-0.5998	0.1052	4.59
19	0.97332	-0.2540	0.2149	18.27	39	0.78358	-0.0215	0.3015	3.82

N=63923 M1=80.6543 M2=469.2716 Critical Z=170.46

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
6		1.60126	-1.8786	1.9826			50.45
9		1.08226	-0.3581	0.0035			50.34
14		1.42528	-1.0437	-0.1652			36.34
20		0.92883	-1.5323	-0.8878			30.58
25		1.47085	-0.4616	0.1332			77.43
30		1.89065	-0.2826	2.1344			54.41
37		1.01052	-2.0726	-0.6559			67.71
40		0.94759	-3.2809	0.1533	-0.1527		20.32

N=63923 M1=80.6543 M2=469.2716 Critical Z=170.46

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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	0.75049	-1.8791	0.2000	42.12	40	1.28484	-0.0901	0.1976	10.22
5	0.76694	-1.0112	0.2945	20.65	41	0.90980	0.0924	0.1862	32.12
7	0.64495	-2.6609	0.2000	89.34	42	0.85436	-0.9481	0.1972	0.72
9	0.74549	-2.6899	0.2000	14.12	43	1.23746	-0.5669	0.2243	5.61
10	0.78161	0.1280	0.2716	31.59	45	1.33959	-1.1778	0.2055	2.22
11	0.91482	-0.1412	0.1430	22.29	46	1.20448	-0.3359	0.3131	13.47
12	1.03149	-1.4717	0.2351	6.10	48	0.73534	-0.0592	0.2787	14.00
13	0.66676	-2.0075	0.2461	30.95	49	0.38444	-1.0639	0.1173	13.53
14	0.78713	0.2872	0.2626	8.04	50	0.69830	-1.7755	0.1977	24.54
15	1.16123	0.2642	0.2821	28.46	93	0.72297	-1.6010	0.1140	4.77
16	0.83112	-0.4811	0.1963	6.55	96	0.48657	-1.4423	0.2000	2.33
17	1.15511	0.4176	0.1783	22.10	97	0.42960	-1.1573	0.2000	102.39
19	1.24584	-0.4444	0.1640	6.15	98	0.59506	-1.5012	0.1977	11.18
20	0.82535	1.4059	0.3029	9.44	99	0.69570	-2.6770	0.2000	11.39
21	0.70502	0.8415	0.1631	8.56	100	1.01875	0.4325	0.2056	11.45
24	0.99230	0.4840	0.1736	8.83	101	1.27916	-0.6114	0.3373	9.45
26	0.99597	0.9519	0.2084	9.56	102	0.36228	-1.7078	0.2000	119.55
27	0.53429	-1.7336	0.1461	3.81	103	0.87295	-1.0285	0.1655	4.85
28	1.10667	-0.2162	0.3242	13.85	104	0.93982	-0.6910	0.1463	6.17
30	0.54241	-0.2248	0.0999	1.50	105	1.19114	-0.7723	0.1993	3.81
31	0.66538	-1.0032	0.2000	7.24	106	1.30984	-1.3756	0.2225	8.48
32	0.73810	-0.6823	0.3424	7.83	107	1.06917	0.8962	0.2343	17.29
33	0.82668	0.4462	0.1853	8.75	110	0.61234	-1.5129	0.0732	11.14
35	1.36766	-1.0302	0.1907	11.29	112	0.87920	0.2308	0.1122	11.31
36	1.04945	-0.4611	0.2429	5.91	113	1.35099	-0.8782	0.1872	1.16
37	1.06755	-0.4713	0.1979	5.43	114	1.18351	-0.9138	0.2234	6.32
38	1.27066	0.3680	0.1516	48.77	115	0.76104	-0.7140	0.2202	9.59
39	1.48941	-0.9454	0.2867	5.51					

N=62900 M1=51.3577 M2=593.3629 Critical Z=167.73

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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
6		0.75283	-0.9405	-1.3202			33.13
8		0.76031	-0.8675	-1.3255			14.08
18		0.57984	-0.6569	0.7597			46.95
23		0.70075	-0.2614	-0.5435	0.2784		16.95
25		0.85770	-1.0851	0.0423	2.0499		99.87
29		0.43973	-1.2075	0.7973	1.0833		252.28
34		0.90498	-0.6986	2.4500			19.11
44		0.76351	-1.8208	0.0107	0.7993		53.96
47		0.95080	-1.5369	0.5331	1.9576		97.83
94		1.25675	-2.0984	-1.2775			29.14
95		1.01729	-2.2209	0.5045			43.04
108		0.90444	-0.4979	-1.0262			277.20
109		0.97764	-1.6135	0.1762	1.8248		340.70
111		0.67886	-1.4518	0.2238	1.4292		39.69

N=62900 M1=51.3577 M2=593.3629 Critical Z=167.73

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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
51	0.72215	-1.2475	0.2032	5.31	72	0.65271	0.0428	0.1689	2.87
52	0.71912	-1.9836	0.2000	9.01	73	0.60724	-0.6523	0.1663	-0.31
53	0.74467	-2.0521	0.1804	3.92	74	0.80085	-0.9241	0.2726	2.96
54	0.64651	-2.8525	0.2000	4.49	75	0.64326	-1.7986	0.2000	27.72
55	0.75701	0.4793	0.2298	4.74	76	0.62510	-0.0118	0.1002	18.28
56	0.80046	-0.3211	0.2689	4.84	77	0.67900	0.1742	0.2057	2.95
57	0.88460	-1.2127	0.1672	4.90	78	1.13007	-0.7657	0.2809	5.79
58	0.91319	-0.1849	0.4278	3.69	79	1.08956	-0.4507	0.2861	5.73
59	0.61934	-2.4320	0.2000	6.96	80	1.25977	-0.9793	0.2654	34.80
60	0.61665	-2.0323	0.2000	4.92	81	1.06572	-1.3254	0.2047	40.46
61	0.57762	0.8121	0.1607	8.54	82	1.00322	-0.9506	0.2405	6.04
62	0.58173	-1.2302	0.2122	14.02	83	1.10687	-1.1940	0.1881	15.27
63	1.01097	-1.0488	0.1965	2.46	84	0.98283	-0.5277	0.1383	19.14
64	1.21306	-1.2080	0.3526	3.01	85	1.30876	-1.0518	0.2132	9.46
65	0.79465	-0.0080	0.2075	12.17	86	0.84195	0.2373	0.1425	22.05
66	0.46057	-1.4719	0.2000	34.26	87	1.25786	-0.7616	0.3266	16.39
67	0.68199	-1.7031	0.2000	0.73	88	0.55025	1.7295	0.2000	111.71
68	0.67688	0.1674	0.2090	2.33	89	0.87457	-0.5530	0.2031	4.96
70	0.69703	-0.1442	0.1321	2.18	90	0.84295	0.8650	0.3510	8.62
71	0.52165	1.0552	0.2349	4.12	91	1.09183	-0.5656	0.1780	13.44

N=62829 M1=45.3756 M2=484.0720 Critical Z=167.54

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		0.91975	-4.6174				6.49
2	A	0.78624	-1.2819				100.99
2	B	1.33726	-1.7900				13.03
2	C	0.34387	0.1456				6.76
2	D	0.84893	-0.7842				22.88
2	E	1.11591	0.3623				5.36
2	F	1.46669	-2.2648				3.56
3	A	1.30946	-2.8105	-3.2118	-0.1066	1.8799	479.29
3	B	1.58000	-4.7239	-3.1323	0.1045	2.1989	102.59
3	C	2.16322	-5.9553	-3.4963			17.41
69		0.75277	-2.3958	-2.4790	-0.5429	1.6415	134.14
92		0.70454	-1.3751	-1.8330	0.1844	1.9922	351.41
116		0.84202	-2.1806	-2.0835	-0.1044	2.1711	93.19

N=62829 M1=45.3756 M2=484.0720 Critical Z=167.54

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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	0.90705	-0.2827	0.0938	19.08	36	0.60335	-0.0066	0.3019	1.77
2	0.87146	0.5134	0.2847	13.87	37	1.24201	-0.5080	0.1812	15.91
4	0.97115	-0.4321	0.1535	2.47	38	1.00347	-1.1944	0.3167	19.80
5	1.08141	-0.4068	0.1690	3.42	39	0.44724	-0.2219	0.0798	11.79
6	1.08596	-0.9498	0.1715	3.44	40	0.35112	-2.5666	0.2000	4.75
8	0.69557	-2.1791	0.1676	12.75	42	0.65544	-3.3664	0.2000	12.61
9	0.90509	-0.7957	0.3026	7.53	43	0.81160	-0.6603	0.1853	-1.35
10	0.80514	-0.7755	0.2197	7.60	44	0.58660	-1.1867	0.1676	7.15
11	0.80614	-0.7546	0.2091	3.76	45	0.86091	-0.3583	0.2388	10.25
12	0.78840	-0.9869	0.1763	13.96	47	1.15146	-0.2720	0.1087	11.86
13	1.20583	-0.4040	0.1343	4.56	48	0.64089	-1.9748	0.2000	14.81
15	0.98237	1.0892	0.0772	7.44	49	1.26851	-1.2448	0.1268	4.32
16	0.74362	-0.6035	0.0769	10.62	50	0.57666	-0.9942	0.1380	0.21
17	0.98919	-0.3964	0.3414	2.43	51	1.05167	0.0267	0.1714	6.65
19	0.75524	-1.7611	0.1054	6.49	52	0.72310	-2.2499	0.0957	2.57
20	1.00277	0.0244	0.1901	4.70	54	0.46102	-2.5502	0.2000	29.18
21	0.69961	-1.3082	0.1323	8.59	55	0.96978	-1.0269	0.2588	0.15
22	0.75112	-0.4252	0.1145	4.78	56	0.64938	-2.3017	0.1755	3.88
24	0.87723	-0.4060	0.0796	7.85	57	0.72461	-0.8036	0.1651	7.46
25	0.63027	-2.1524	0.2000	4.02	59	0.78248	-2.5678	0.2000	8.29
26	0.79687	-1.0146	0.2000	-0.33	60	0.81006	-0.0921	0.2457	12.43
28	1.05282	-0.6918	0.1516	5.27	62	0.57851	-0.9351	0.2000	5.01
29	1.25866	-0.6520	0.2568	2.36	63	1.50690	-0.4147	0.1835	8.99
31	0.51744	-2.2665	0.2000	4.25	64	0.77666	-0.5440	0.2000	15.46
32	0.58115	-2.2261	0.1676	3.76	65	0.94160	-0.3772	0.1938	5.39
33	0.82567	-1.8263	0.0522	81.18	66	0.54238	-2.1205	0.2000	11.89
34	1.02469	-1.3895	0.1403	2.44	68	0.79939	-2.0263	0.2000	2.33

N=62882 M1=71.0419 M2=503.3290 Critical Z=167.69

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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
3		0.91684	-1.1568	-1.0481			94.75
7		0.83224	-2.8467	-2.5109	-1.7683		29.31
14		0.56975	-2.2074	-1.4037	0.0388		23.28
18		1.29981	-1.4984	-0.9046			33.30
23		1.09265	-2.7128	-0.0545	0.3574	1.1773	55.87
27		1.08004	-1.4585	-0.8673	-0.0132		12.17
30		0.94639	0.3514	0.2483			295.86
35		1.73007	-0.8152	1.2616			28.68
41		0.90269	-1.9654	-1.6055			35.60
46		0.57121	-0.2694	-0.6042	0.1504	-1.6553	77.84
53		1.14102	-0.1871	-1.7839			35.41
58		0.89396	-0.6015	-0.2711	-0.1977		92.00
61		1.13502	-0.8727	-0.5738			24.09
67		0.97998	0.7223	1.5603	0.4726		101.92
69		0.64812	-0.6929	-0.4801	0.4590	-0.5102	57.89

N=62882 M1=71.0419 M2=503.3290 Critical Z=167.69

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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
5	0.66758	-1.7372	0.2000	8.31	37	0.82934	1.1633	0.1706	8.33
7	1.35067	-0.0510	0.2751	15.57	41	0.87078	-0.2050	0.2281	23.94
8	1.20713	1.4520	0.1946	26.32	42	1.07272	-0.7889	0.4802	26.51
9	0.54926	0.4283	0.1774	9.76	43	0.77526	-0.5701	0.1883	0.49
10	0.66690	0.2391	0.1992	120.08	44	0.42910	-0.4591	0.0701	13.65
11	0.55190	-0.6081	0.0543	80.50	45	0.63891	0.5480	0.2228	4.60
12	0.99900	-1.3703	0.3086	30.63	46	1.21122	-0.4467	0.2446	5.91
13	1.02698	0.1039	0.2453	12.15	48	1.34591	-0.9907	0.2612	8.59
15	0.67570	0.2943	0.2175	1.97	49	0.78036	0.0095	0.1913	25.77
16	0.86044	0.9790	0.3830	37.14	50	0.81042	0.4770	0.2828	7.52
17	0.34555	0.5274	0.1757	11.31	94	0.37583	-0.3329	0.2000	138.87
18	1.23718	-0.0248	0.2606	11.44	95	1.05301	-2.0513	0.1384	12.97
19	0.89226	-0.8640	0.1965	5.88	97	0.86279	-0.7125	0.3322	1.38
20	1.08937	0.1137	0.1677	8.73	98	0.42097	-0.2011	0.1796	7.40
22	1.21363	-0.7063	0.1291	2.46	99	0.74425	-1.6325	0.1992	20.44
23	1.08087	1.0783	0.3485	10.03	102	0.67466	-1.0434	0.2000	192.09
24	0.97801	-0.5644	0.3106	1.94	103	0.60984	-2.0542	0.1992	16.44
25	1.10317	-1.2027	0.2019	3.15	104	0.77081	-2.5025	0.2000	16.20
26	0.97639	-0.9640	0.2034	4.84	105	0.91230	-0.0461	0.2216	14.14
27	0.77492	-1.8027	0.2000	6.36	106	1.16154	-1.1732	0.3215	1.53
28	0.62356	0.6720	0.1036	25.00	107	0.71732	-2.3535	0.1992	17.74
30	0.47400	1.0108	0.1284	9.04	108	0.73076	-1.1929	0.0978	0.52
31	1.27653	-0.8541	0.2871	1.67	109	1.47430	-0.7670	0.2734	5.26
32	0.54852	-0.2546	0.1455	3.41	110	1.16498	-0.5526	0.2312	1.58
33	0.79073	0.4838	0.2684	7.64	111	1.18986	-0.8842	0.1788	3.91
34	0.59221	-1.2855	0.1364	22.32	112	1.20652	-0.2899	0.2497	11.05
35	0.88481	-0.8565	0.2088	1.15	114	1.29288	-0.3847	0.1460	11.20
36	0.74548	-2.5413	0.2000	21.89	115	0.77782	-1.1409	0.1528	26.63

N=62224 M1=56.6780 M2=619.7447 Critical Z=165.93

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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
4		0.84579	0.5977	0.9976			53.41
6		0.55140	-0.8832	1.0513	0.7664		129.02
14		1.07850	-0.4897	0.9028	1.4488		51.08
21		0.51776	-0.6872	0.7157			28.61
29		0.92554	-1.4908	-0.6341	1.6759		62.64
38		0.78481	-1.1350	0.2336	2.1997		86.01
39		0.94193	0.0113	-0.6789	1.1461		78.00
40		0.86123	-0.5810	0.4477	1.7113		198.98
47		1.22206	-0.4881	1.6896			126.34
51		0.86169	-0.1948	0.6584			46.04
96		0.61379	-0.4268	1.8882			35.77
100		1.16006	-2.2801	-1.8059			107.52
101		0.98943	-2.5110	0.0517			27.81
113		1.13256	0.1537	0.8384	3.4080		24.73

N=62224 M1=56.6780 M2=619.7447 Critical Z=165.93

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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
52	1.07632	-0.4204	0.3084	4.47	73	1.10107	-0.6817	0.1738	32.63
53	0.91791	-0.3652	0.2264	12.15	74	1.27190	-1.0032	0.1903	12.82
54	0.59545	-0.5671	0.0945	2.75	75	1.17239	-1.2803	0.3728	4.93
55	0.90211	-0.7237	0.1816	3.51	76	0.88168	1.5693	0.2728	12.71
56	0.65759	-1.0463	0.2000	6.64	77	1.11571	-1.2083	0.1434	22.77
57	1.19993	-1.5364	0.2197	10.71	78	0.97353	0.0229	0.3557	8.88
58	0.57088	0.8264	0.1696	5.19	79	0.36949	0.6198	0.1425	14.39
59	0.70413	-0.5792	0.1048	0.96	80	1.29038	-0.4982	0.2167	15.46
60	1.15164	-1.0832	0.1779	4.20	81	1.26942	-0.4486	0.2933	7.34
61	0.75751	-1.5265	0.0771	10.41	82	0.78676	-0.1206	0.1925	0.60
62	0.77739	-1.4594	0.2000	8.89	83	0.62381	0.8499	0.1272	5.32
63	0.96749	-1.4814	0.1847	3.43	84	1.02727	-1.3422	0.1836	1.63
64	0.62104	-0.0159	0.1195	3.40	85	1.11580	-0.4994	0.2000	5.84
65	0.86483	-0.9625	0.2803	3.48	86	0.51499	-0.7058	0.0879	44.73
66	0.63251	-2.4745	0.2000	5.31	87	1.48331	-0.4838	0.2629	10.75
67	1.12585	-0.4761	0.2245	5.57	88	0.77142	-0.0323	0.1838	4.47
68	0.84927	-0.1577	0.2272	18.70	89	1.17049	-1.5396	0.2799	6.62
70	0.92637	-0.5556	0.2441	7.14	90	0.69485	-0.5435	0.0946	3.76
71	0.41673	0.3289	0.2416	2.77	91	0.59395	-0.3434	0.0667	59.02
72	1.31604	-1.0463	0.2027	18.97	92	1.43350	-0.9658	0.3736	11.60

N=62250 M1=51.8308 M2=508.4214 Critical Z=166.00

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.03804	-5.1374				4.53
2	A	0.96262	-1.5277				9.24
2	B	1.12249	-2.7407				7.23
2	C	1.15915	-4.2242				2.11
2	D	1.29059	-0.5649				13.64
2	E	1.21866	0.1912				7.42
2	F	1.37849	-1.2374				5.29
3	A	1.11407	-2.2782	-3.2479	-0.0957	1.4322	269.05
3	B	1.24171	-4.3330	-2.9543	-0.0347	1.4996	127.34
3	C	1.64439	-5.1848	-3.2453			26.57
69		0.85808	-2.4789	-2.7413	-0.9051	1.5927	114.97
93		0.66338	-1.1014	-2.1872	-0.2182	1.6677	240.81
116		0.92121	-2.2983	-2.6084	-0.4429	1.4014	132.28

N=62250 M1=51.8308 M2=508.4214 Critical Z=166.00

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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	0.73555	-0.4788	0.3530	6.68	35	0.56104	-1.1223	0.2000	6.46
2	1.19716	0.1808	0.1581	9.46	37	0.72776	-1.7508	0.0708	1.70
3	0.85245	-1.7557	0.2000	11.41	38	1.21290	1.0353	0.2109	13.38
4	0.99910	0.0707	0.1657	1.93	39	1.12436	-0.7498	0.2161	9.74
5	0.75597	-1.4018	0.0537	38.64	40	0.88031	-0.9456	0.1141	0.97
7	0.69775	-2.5171	0.2000	15.33	41	1.46115	-0.7009	0.1693	53.93
9	1.30409	1.0847	0.2099	20.95	42	1.09466	-0.2245	0.0898	68.74
10	0.86476	-0.7055	0.1577	0.56	44	0.54233	-0.9538	0.2000	8.90
12	0.87147	-0.2160	0.1123	16.45	45	0.85241	0.8478	0.3457	6.34
13	1.00394	-1.3024	0.2962	1.19	47	0.91340	0.1091	0.1987	0.94
15	0.93851	-0.8000	0.1820	5.83	48	0.91095	-1.0390	0.1367	2.29
16	0.94836	-0.7166	0.1440	31.64	50	0.71124	-2.0601	0.2000	2.38
17	0.68457	-2.1573	0.2000	2.76	51	0.54190	-2.8534	0.2000	12.96
18	0.59602	-2.2798	0.2000	42.47	52	1.61259	1.4893	0.1753	203.50
19	0.42512	-0.1203	0.1736	13.49	53	1.41760	0.6972	0.3446	9.48
20	0.67835	-1.7688	0.0911	1.76	55	1.15996	-0.3064	0.1893	3.69
21	0.89875	-0.7301	0.1216	8.45	56	0.76428	-1.9486	0.1082	1.71
22	0.77375	1.3868	0.3402	7.83	57	0.81012	0.7036	0.2425	1.34
24	0.51093	0.2422	0.1044	2.88	58	0.98586	0.5119	0.2966	2.07
25	1.01049	-1.1830	0.2303	7.67	60	0.76739	-0.9514	0.0790	5.53
27	0.52116	-2.5662	0.2000	23.07	61	0.63110	-1.1362	0.1736	13.95
28	0.79358	-1.5260	0.1736	103.22	62	0.60129	-2.2621	0.2000	35.78
29	0.71187	-0.4632	0.0746	3.52	64	0.72458	-0.8374	0.2000	12.73
30	0.82768	0.5236	0.2195	1.78	65	0.70640	-1.3716	0.1054	8.03
32	0.64177	-0.3863	0.1870	2.24	66	0.69243	-0.7786	0.2000	15.48
33	0.64653	-2.0907	0.2000	20.03	67	0.67956	0.3840	0.2087	1.91
34	1.12618	0.2762	0.1594	10.25	68	0.91403	0.5011	0.2166	3.55

N=62562 M1=67.1942 M2=526.0359 Critical Z=166.83

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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
6		1.04706	-1.8698	-1.0486	-0.2908		39.77
8		1.10622	-1.3465	-1.5816			60.81
11		1.14212	-0.1739	0.3104	0.8329		15.60
14		0.87678	-2.2623	-1.0906	0.8310		37.29
23		0.93133	-1.6960	-1.2488	0.5312	1.4704	268.90
26		0.96691	0.0216	-0.4143			298.14
31		0.80162	-0.8149	-0.5901	-0.4840		121.88
36		0.89229	-1.1855	0.0149			44.34
43		1.33577	0.8714	0.0198	1.0758		91.69
46		1.12856	-1.8709	-1.5277	0.2708	0.7798	26.40
49		1.12517	0.5215	-1.1611			23.31
54		1.26210	0.6840	-0.8404			25.63
59		0.93605	-1.2698	-0.3700			136.31
63		0.93815	-1.6607	-0.6076	0.7222		14.63
69		0.68084	-0.6947	-0.6703	0.2750	-0.7517	69.00

N=62562 M1=67.1942 M2=526.0359 Critical Z=166.83

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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	0.24935	-2.6370	0.2000	12.95	39	0.87718	0.5834	0.2072	6.75
2	0.77873	0.2017	0.3858	10.34	40	0.74755	-0.9586	0.2936	1.73
3	0.48389	-1.4010	0.2000	26.74	41	0.59585	-1.2823	0.0900	1.66
4	1.33185	-1.1244	0.2673	7.13	43	0.85567	-0.5354	0.2249	0.81
5	0.61426	0.1029	0.2277	16.48	44	1.72499	-0.3068	0.1995	11.24
6	0.61773	0.6282	0.2590	6.53	46	0.47491	-0.8181	0.1141	8.68
7	0.80289	-0.2739	0.0727	21.90	48	0.20977	-4.0052	0.2000	45.09
8	1.17328	-0.9135	0.1803	3.00	49	0.37347	-2.5901	0.2000	31.94
10	0.57900	-1.6094	0.2000	13.25	50	1.25211	0.2040	0.1893	13.22
11	0.30327	0.7307	0.2000	17.47	51	0.62540	-1.7249	0.2973	11.55
12	1.34850	1.1286	0.1058	148.70	52	0.42742	-1.9345	0.2000	64.42
13	0.26195	-0.2659	0.2000	6.33	53	0.85097	-0.5264	0.1722	1.95
14	0.76987	1.8546	0.1503	4.55	55	0.59734	0.1449	0.2670	8.15
15	0.65821	-0.3438	0.2644	8.08	56	0.89707	-0.8942	0.2071	2.82
16	1.00733	0.9394	0.1799	8.94	57	0.77718	1.4380	0.1561	2.84
17	1.05668	-0.3371	0.1460	2.34	58	0.62393	-1.2180	0.0827	6.63
18	1.16753	-1.2392	0.2291	9.22	60	0.47853	1.8158	0.1802	5.60
19	0.75028	1.1754	0.1579	3.16	61	1.14186	-0.0806	0.3799	19.70
20	0.28446	1.6783	0.2000	17.45	63	0.75994	-0.3059	0.1649	7.57
26	1.14227	0.4321	0.2880	5.62	64	1.31132	0.6583	0.2691	19.44
27	0.67513	-1.7731	0.2000	21.89	66	0.83477	-0.1735	0.2231	27.72
28	0.46621	0.1227	0.2000	20.05	67	0.57411	-0.1223	0.2000	32.57
29	0.68032	0.1021	0.2062	0.83	68	1.08981	1.3101	0.1485	62.39
30	0.69869	-1.0615	0.2734	11.12	69	0.67915	-0.1066	0.4059	7.86
32	0.61164	-0.4318	0.0729	-1.60	71	0.81956	0.6188	0.1956	7.74
33	0.53347	0.1041	0.2661	9.89	72	0.81365	1.3488	0.1732	11.87
34	0.70872	1.6761	0.2668	4.71	73	1.25433	1.5127	0.2382	12.96
36	0.46716	0.5026	0.1134	0.81	74	0.62121	-1.4666	0.0926	12.62
37	0.56200	-0.3796	0.1402	2.39					

N=62657 M1=61.5544 M2=502.2540 Critical Z=167.09

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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
9		0.54985	0.2292	1.4538			8.61
21		0.45421	-1.4711				35.67
22		1.00596	-0.0978				3.61
23		1.01757	-1.0904	0.5868			40.13
24		1.14835	-1.3162	0.3457			53.97
25		1.05781	-0.8402				45.71
31		1.01613	-1.0047	0.2761			18.27
35		1.14242	0.8868	2.0611			76.76
38		0.79000	-0.3939				16.67
42		1.05085	-1.1507	-0.6751			7.30
45		0.93403	-0.6274	1.0160			50.47
47		0.59745	-0.5599	-0.4926			15.96
54		0.94584	1.0959	-1.2413			15.76
59		0.79285	-0.4897	0.4802			61.76
62		1.20832	-1.3036	-0.0053			38.93
65		1.74498	0.8710				45.62
70		0.87252	-0.3134	0.7255			13.70
75		0.85815	-1.6499	-0.6822			27.22

N=62657 M1=61.5544 M2=502.2540 Critical Z=167.09

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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
5	0.66772	-2.0435	0.2000	7.62	40	0.66804	-1.4613	0.0516	11.04
7	1.45737	-0.3165	0.3223	14.17	41	0.60712	-0.1407	0.2000	10.65
8	1.12443	1.2601	0.1959	26.43	42	0.48195	1.9387	0.1963	47.57
9	0.84559	0.9948	0.4308	5.20	43	0.42519	-1.0130	0.0973	3.83
10	0.56499	0.1176	0.2000	7.39	44	0.47208	-0.1094	0.2000	104.67
13	1.07331	0.3601	0.2578	10.95	45	1.45173	1.0549	0.1776	204.62
14	0.86546	-0.0851	0.1953	6.21	48	0.95178	0.0813	0.4006	9.92
15	0.84249	-1.0298	0.1594	0.88	49	0.90435	0.0889	0.3008	6.52
16	0.55749	-1.5223	0.2000	42.53	50	0.76792	0.6014	0.2322	6.76
17	0.77389	-2.1824	0.1802	8.55	51	0.53601	-1.0567	0.1575	20.97
19	0.90265	-1.2609	0.1777	8.93	52	0.96414	0.3791	0.1889	8.10
20	0.55899	-1.6784	0.0824	7.97	95	0.70783	-0.1078	0.2051	5.47
21	0.60270	-1.9005	0.1142	4.45	96	0.81929	-0.5422	0.1759	13.71
22	0.52583	-0.5547	0.0390	31.46	97	0.99352	-2.3683	0.2000	11.14
24	1.17268	-0.5055	0.0938	4.46	98	0.58629	-1.8487	0.1802	21.33
25	1.05098	-1.9815	0.1727	7.06	100	1.08581	-0.9131	0.2530	9.14
26	0.99695	-0.9110	0.1185	5.36	101	1.10717	-1.2607	0.1916	15.15
27	0.55781	-0.5596	0.2000	86.33	102	1.14235	-0.8507	0.2454	3.20
29	0.80151	-0.6741	0.1871	6.51	104	1.20631	-0.8334	0.1563	14.96
30	0.81159	-1.8684	0.1719	7.96	105	0.68978	-1.5060	0.0638	12.89
31	0.42552	-0.9410	0.2000	33.73	108	0.77874	-1.3592	0.1088	5.39
33	0.96802	-1.1118	0.3012	7.14	109	1.19716	0.1485	0.2634	11.77
34	0.50781	0.0368	0.2352	3.50	110	1.42203	-0.6246	0.2022	5.85
35	1.33738	-1.1210	0.2620	9.24	111	1.17554	0.2736	0.3684	19.40
36	0.93910	-0.9002	0.1270	6.91	112	1.01872	-1.9830	0.1093	6.41
37	0.75644	-1.5966	0.1016	3.81	113	0.81714	-1.3711	0.2624	12.46
38	0.77086	-1.2457	0.1089	6.59	114	1.33301	-1.4364	0.2027	7.59
39	1.40702	-1.1193	0.2404	6.24	115	1.06619	-1.9213	0.1030	7.10

N=61805 M1=54.1504 M2=635.1786 Critical Z=164.81

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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
4		0.76806	0.3264	0.8311			43.81
6		0.51129	-0.9910	0.7884	0.3986		115.29
11		0.48097	0.2925	-0.2128	0.2845		37.92
12		0.54862	0.9918	-2.1381	-0.6557		203.18
18		0.88729	-1.0611	0.2556			41.02
23		0.82412	0.0497	0.3700			35.56
28		1.04414	-0.6388	-0.3654	1.7797		27.65
32		0.82111	-0.8780	0.5824	0.5289		325.94
46		0.95285	-1.5583	-1.0411			17.70
47		0.67713	0.2655	0.4721			69.53
99		0.78084	-1.4325	0.3964	1.9445		69.28
103		1.09499	-0.3355	0.5022	3.8923		22.83
106		1.06410	0.0862	0.6160			45.55
107		0.81138	-1.5655	2.0980			20.33

N=61805 M1=54.1504 M2=635.1786 Critical Z=164.81

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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
53	0.81577	-1.4648	0.0940	0.29	74	1.26113	-0.8008	0.1820	5.36
54	1.03481	-1.9507	0.1534	11.18	75	1.55584	-1.4281	0.2261	34.03
55	0.99268	-1.3867	0.2000	15.15	76	0.87820	-0.7740	0.1868	1.30
56	0.74266	-1.1618	0.1338	0.97	77	0.59441	-0.0281	0.1793	0.27
57	0.75902	-0.6630	0.2192	1.90	78	0.79407	0.2169	0.3697	13.59
58	0.98220	-1.3805	0.0911	37.82	79	0.92672	0.6389	0.2569	5.03
59	1.03506	-0.6785	0.2297	5.53	80	0.35508	-1.0556	0.1683	5.73
60	0.81996	0.8458	0.2260	17.21	81	0.69133	0.2203	0.1594	2.57
61	1.11349	-0.8249	0.2469	4.39	82	0.64012	-0.7395	0.1890	161.03
62	0.86169	-1.6888	0.2000	3.44	83	0.79633	0.8883	0.2038	20.30
63	1.06531	-1.7278	0.1398	12.52	84	0.49997	-0.3204	0.0704	17.71
64	0.55083	-0.8078	0.0808	10.05	85	0.32616	-0.4064	0.1456	3.33
65	0.99506	-0.0452	0.2648	3.94	86	1.34397	-1.1782	0.2088	41.32
66	1.20584	-1.0627	0.2225	3.56	87	0.69245	-0.0791	0.1885	15.54
67	0.78237	0.9996	0.2380	4.52	88	0.81366	-0.1339	0.1750	4.13
68	1.11024	-1.1467	0.2148	4.01	89	0.70078	0.1357	0.2859	15.38
69	0.60536	1.1226	0.2933	3.54	90	1.35975	-0.6818	0.2698	12.40
70	0.97445	1.1115	0.2830	7.04	91	0.91836	-0.4311	0.0870	32.35
71	1.28534	-1.3326	0.1348	11.00	92	1.17662	-0.3390	0.2398	11.49
72	1.24952	-0.9398	0.2136	3.18	93	1.20005	0.1934	0.2158	23.29

N=61732 M1=55.2373 M2=524.5665 Critical Z=164.62

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.22651	-5.8730				5.56
2	A	1.14093	2.0333				16.07
2	B	0.58154	-0.8947				96.51
2	C	1.21961	-1.5786				46.04
2	D	0.87645	0.4804				9.09
2	E	1.52038	-0.7768				15.06
2	F	0.67776	2.4318				9.61
3	A	1.08151	-2.4187	-3.9121	-1.3048	0.4196	1123.10
3	B	1.20503	-3.9797	-3.3788	-1.0926	0.4677	44.42
3	C	1.42970	-3.9989	-3.4704			23.59
73		0.82585	-2.0559	-2.9632	-0.9296	1.2603	163.72
94		0.64250	-0.4068	-2.6737	-0.0488	1.7228	387.76
116		0.86222	-2.4401	-2.5411	-0.6479	1.1963	46.83

N=61732 M1=55.2373 M2=524.5665 Critical Z=164.62

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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	0.77521	-0.1441	0.2145	1.75	31	0.79088	-0.6868	0.1419	90.15
2	0.88164	-1.8439	0.1810	53.05	32	1.04184	-0.1788	0.1616	0.52
3	1.17405	0.2382	0.2595	12.89	34	1.03665	0.7401	0.4088	16.64
5	0.96764	0.8067	0.2883	6.94	35	1.51057	0.9917	0.1432	9.54
6	0.70302	-1.6164	0.2000	25.65	37	0.52652	-2.0211	0.2000	4.24
7	1.13093	0.4188	0.3098	4.80	38	0.58878	-0.1298	0.1418	11.11
8	1.26182	0.7190	0.4214	52.67	39	0.70492	-1.2958	0.0434	10.43
9	0.66902	-1.3831	0.1338	2.52	41	0.73555	-0.4031	0.0494	35.69
10	1.46917	-0.0267	0.2335	4.58	42	0.26577	0.4126	0.1842	14.53
12	0.69680	0.3248	0.1493	17.00	43	1.34921	0.6992	0.1496	22.24
14	1.16546	0.5812	0.1695	3.69	44	0.67487	-0.3870	0.0933	1.16
15	1.40880	0.6101	0.1336	24.71	45	1.00108	0.7699	0.2694	5.56
16	0.53603	0.0725	0.1810	30.32	47	0.92759	-0.6443	0.0490	14.03
18	1.60532	1.0195	0.0696	42.26	48	0.73753	0.3935	0.1775	1.30
19	1.45360	-0.0398	0.0910	5.82	49	1.38524	0.0491	0.0621	52.87
21	0.91112	-0.3029	0.1987	0.41	50	1.03939	-0.0021	0.0621	3.80
22	0.94311	-1.3425	0.1114	8.83	52	0.78212	-1.8750	0.1724	3.93
24	0.81011	-0.0196	0.1840	-0.18	54	1.08760	0.8696	0.4440	12.43
25	0.81704	-0.9561	0.0805	0.75	55	1.37683	0.6411	0.3981	36.17
26	1.32902	0.3933	0.2560	8.89	56	1.78749	0.7451	0.2740	97.15
28	0.75380	1.3212	0.2752	13.21	58	0.63132	0.9224	0.2217	4.87
29	1.46023	1.6555	0.2455	311.01	59	0.65656	-0.3437	0.1703	2.07
30	0.82887	-0.3144	0.1417	13.15					

N=61415 M1=66.0982 M2=540.9817 Critical Z=163.77

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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		1.12710	-0.4731	1.7518			234.67
11		0.80217	-2.1126	-1.4957	-0.5756		10.46
13		1.29799	1.1324	0.6975			109.42
17		1.23687	-1.0711	-0.2386	1.6512		296.16
20		1.27472	-2.5503	-1.4557	-0.9687	2.2915	128.42
23		0.82809	-2.4532	-0.8674			31.89
27		1.48162	0.2526	1.1028	1.9377		21.50
33		0.83013	-0.2251	-0.6665			106.53
36		0.74591	-1.2838	-0.6802	-1.1609		165.28
40		0.88919	-1.3980	0.8644	1.8004	1.3326	426.75
46		0.83125	-1.5451	-0.0944			50.46
51		1.28726	0.8551	-0.1376	1.0562		113.54
53		0.93433	-1.7768	-0.9170	-0.3890		35.72
57		1.10935	0.5365	-1.5330			10.59
60		1.09871	-0.8088	-0.5261	-0.0347	0.7309	19.57

N=61415 M1=66.0982 M2=540.9817 Critical Z=163.77

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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
4	0.92238	-0.3389	0.3043	5.37	39	0.57285	-1.6531	0.2000	6.96
5	0.36316	1.2404	0.1395	19.25	40	0.59623	-0.0882	0.2619	12.42
6	1.00554	-1.1722	0.1716	6.76	41	0.57595	-1.0170	0.0887	2.94
7	0.45066	-1.0440	0.2000	127.00	43	0.99057	-0.9190	0.2010	6.57
9	0.69467	-1.4371	0.1843	25.94	45	0.82894	-1.0911	0.0425	104.33
10	0.75883	-1.2026	0.1700	4.29	46	1.05519	-1.4090	0.2581	5.73
11	0.79400	-2.1077	0.2000	7.22	48	1.39179	-1.0009	0.3558	5.33
12	0.36298	-1.3188	0.2000	22.68	49	0.31597	-0.3360	0.2000	130.12
15	0.47690	-1.2592	0.1583	1.67	51	0.66546	-1.3159	0.0664	14.01
16	1.02127	-1.0719	0.2533	8.43	94	1.11011	-1.6554	0.2276	11.71
17	1.16753	-1.8043	0.1690	4.00	95	0.75050	-1.3691	0.2000	14.31
18	1.05596	-1.7838	0.2015	4.98	96	0.44099	-2.3469	0.2000	41.72
21	1.24767	-0.5359	0.3031	6.49	98	0.68103	0.0752	0.2639	3.08
22	0.41069	0.0990	0.2000	53.04	99	0.73109	0.7483	0.2723	5.81
23	0.54004	-0.6700	0.1439	10.95	100	0.39623	-0.0669	0.2000	31.08
24	0.15117	1.4343	0.2000	8.04	101	1.14718	-0.5752	0.2347	12.95
26	0.93707	1.0977	0.1784	16.54	102	0.79287	-1.4860	0.0464	3.18
27	0.91883	-1.1541	0.2002	15.09	103	0.85821	-0.5876	0.1805	17.93
28	0.46758	0.1309	0.2000	22.89	104	0.68123	-0.1960	0.1562	13.08
29	0.49393	-1.9225	0.2000	39.05	105	0.58064	-1.8440	0.0993	9.98
30	0.55177	-1.1327	0.2116	-0.59	107	0.28034	0.8753	0.2000	9.77
31	0.70487	-0.5902	0.1639	9.34	108	0.61545	0.5910	0.2629	17.21
33	0.62871	-1.0688	0.2000	10.23	109	0.67891	-1.5204	0.1843	67.23
34	0.88815	1.2351	0.2403	8.35	112	0.72250	-1.4984	0.1459	6.28
35	1.16837	0.3985	0.1803	29.62	113	1.27747	0.0729	0.2803	15.56
36	0.50923	-1.1169	0.0829	26.58	114	1.04961	-0.2118	0.3282	21.98
37	0.69476	-0.5274	0.1164	7.44	115	1.03309	-1.9458	0.1350	5.98
38	0.80138	-1.8975	0.2000	20.44					

N=60646 M1=56.2625 M2=647.7439 Critical Z=161.72

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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
8		0.93512	-0.7842	-0.7752	1.4830		25.41
13		0.79283	-0.3446	-0.8547	-0.8723		70.37
14		0.63983	-1.4066	-1.2327			77.30
19		0.82448	-0.7117	-1.4959			3.77
20		0.82678	-1.7644	-0.3784	0.7782		108.54
25		0.91025	-2.1979	1.2138	1.2450	1.9179	95.69
32		1.26254	-0.4482	0.8150			128.58
42		0.81737	-0.7636	-1.0867	-0.4146		26.28
44		0.75722	-0.3512	2.1610			26.01
47		0.80654	-1.3587	0.6925			43.24
97		0.50542	-0.2823	-0.6393	0.3472		75.26
106		1.62680	-1.6870	0.8715			24.91
110		1.13681	-0.6348	0.5225			27.46
111		0.85293	-2.0233	1.5659			22.69

N=60646 M1=56.2625 M2=647.7439 Critical Z=161.72

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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
52	0.82662	-1.5274	0.1814	2.70	73	1.46361	-0.4071	0.2971	17.93
53	0.49336	-1.6173	0.2000	30.57	74	0.63929	-0.3762	0.2531	13.55
54	0.34632	-0.5331	0.2000	36.86	75	1.16056	-0.6228	0.1601	19.61
55	0.47808	-1.1479	0.2000	103.04	76	0.77736	0.6033	0.2688	8.12
56	0.57826	-0.8864	0.2000	4.33	77	1.24011	-0.4121	0.1393	12.48
57	0.49312	-1.0698	0.1197	17.39	78	1.91240	-1.3505	0.3452	11.54
58	1.03756	-1.4771	0.2337	2.56	79	0.59173	-0.6594	0.0680	17.63
59	0.68388	-1.2538	0.0989	1.07	80	1.58221	-1.3503	0.1829	60.76
60	0.86240	-0.6796	0.1634	3.99	81	0.66385	-0.1127	0.2000	35.14
61	0.89746	-1.1040	0.1432	4.61	82	1.03701	-0.8324	0.1705	35.02
62	0.35457	-2.3167	0.2000	55.38	83	1.41373	-0.7928	0.2139	6.09
63	0.68842	-0.9921	0.2000	17.64	84	1.40173	-0.8071	0.1349	60.45
64	0.43549	0.4203	0.2000	8.03	85	1.17088	-0.8296	0.2640	6.59
65	0.63216	-1.1497	0.0802	20.72	86	0.89502	-0.7697	0.1548	28.46
66	0.64704	-1.6475	0.2000	27.06	87	0.77593	-0.8901	0.1412	40.58
67	1.24284	-1.1085	0.2204	3.43	88	1.81729	-0.8219	0.2341	22.43
68	0.36926	-0.3968	0.2000	32.77	89	1.45135	-1.0459	0.1941	16.81
69	1.17202	-0.6843	0.1689	30.07	90	0.72654	1.8454	0.1509	17.10
71	0.97029	-1.2643	0.1751	2.55	91	1.07033	-0.4665	0.2179	13.12
72	1.20165	-1.0353	0.2500	8.16	92	1.84026	-0.4596	0.1959	38.48

N=60571 M1=62.7317 M2=559.6068 Critical Z=161.52

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.13017	-5.4941				4.19
2	A	1.20706	-3.1078				16.74
2	B	1.23662	-2.5026				0.36
2	C	0.92321	0.1878				15.09
2	D	0.97073	1.5326				9.67
2	E	0.66621	-2.5091				4.12
2	F	0.78551	0.1845				137.63
3	A	0.87001	-0.8283	-1.6020	0.1537	1.9215	497.20
3	B	1.27041	-5.8138	-2.6421	0.1987	2.3408	115.13
3	C	1.73733	-6.7473	-3.0101			28.68
70		0.89617	-2.4414	-2.9662	-0.2066	2.4144	140.68
93		0.80776	-1.2913	-2.5507	-0.1801	1.7134	441.66
116		0.93053	-2.5871	-3.0795	0.1253	2.1573	123.46

N=60571 M1=62.7317 M2=559.6068 Critical Z=161.52

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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	1.31198	0.4035	0.2134	34.76	32	0.81913	0.3757	0.0786	60.44
2	1.21961	-0.2332	0.1967	4.20	33	1.22362	0.8536	0.1505	15.50
4	0.83887	-0.1513	0.1333	9.12	35	0.98466	0.4242	0.1229	9.58
5	0.71716	0.5593	0.2168	-0.22	36	2.30241	0.9851	0.2696	114.42
7	0.76546	-0.8559	0.2000	10.07	37	0.71831	-0.1717	0.0797	6.31
8	0.85230	-0.5273	0.1862	-0.08	38	0.75788	1.9584	0.3986	2.29
9	0.94194	1.8829	0.2636	2.06	39	1.61481	0.5466	0.1242	28.50
10	1.14968	0.2845	0.1545	10.30	41	0.64175	0.5658	0.2814	62.81
12	0.68935	-0.2331	0.0776	1.08	42	0.70921	-0.7526	0.0443	13.82
13	0.87647	1.7975	0.1633	35.07	44	1.10803	0.2292	0.2063	4.91
14	0.75897	1.6217	0.2608	8.86	45	0.89634	0.6269	0.2953	13.46
16	1.16119	0.7738	0.2228	1.25	46	1.32918	1.5043	0.1825	50.27
17	0.72431	-0.2150	0.1958	4.55	47	1.01143	0.4810	0.1668	70.28
18	1.18780	0.8082	0.1435	14.49	49	1.04217	-1.0593	0.0513	10.50
19	1.12129	0.4304	0.2472	2.81	50	0.51217	-0.2452	0.2562	6.24
21	0.89786	0.8005	0.2513	5.73	52	0.72003	0.9411	0.2858	5.79
22	0.39346	0.4372	0.0832	48.88	53	0.63008	0.4254	0.2090	4.04
24	1.33843	0.1017	0.2618	28.28	54	1.29588	0.5956	0.1736	34.93
25	0.85358	0.7429	0.0747	14.51	55	0.87859	0.0734	0.1624	42.29
27	1.51589	0.5254	0.0651	58.31	57	0.70919	1.3456	0.1172	7.74
28	1.54962	0.4586	0.2860	2.24	58	1.11688	-0.0816	0.1633	32.90
29	1.12586	1.0868	0.2202	6.11	59	1.11395	1.7834	0.2065	9.75
31	0.58750	-2.0258	0.2000	15.88					

N=60519 M1=67.4389 M2=563.3510 Critical Z=161.38

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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		0.92987	1.3200	2.1963			18.56
6		1.40225	-2.3156	-1.5492	0.7556		101.28
11		0.84553	0.3211	1.8512			566.67
15		1.34487	-0.5406	0.5291	1.1993		19.69
20		1.05118	-0.5953	1.1292	1.4890	0.9297	179.15
23		1.18578	2.0400	0.0554			64.93
26		0.72067	-1.4109	-0.7836	-1.6163		182.72
30		0.67929	0.0396	-0.8914			98.14
34		1.35769	-0.9901	-0.0630	1.3390		97.14
40		1.18669	1.5960	0.3720	1.2798	0.2348	123.51
43		1.41212	1.6125	0.4344			46.33
48		1.40204	-2.5809	-2.2311	0.4873		35.98
51		0.57699	-1.6132	0.5615			164.68
56		0.83534	-0.8752	0.7707	2.1282		48.72
60		0.74022	-0.1501	0.1236	0.6888	2.6615	44.06

N=60519 M1=67.4389 M2=563.3510 Critical Z=161.38

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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	0.33587	-2.2846	0.2000	5.30	39	0.62264	-1.3409	0.2000	6.77
5	0.71789	-1.8643	0.1848	4.83	40	0.87899	0.9439	0.2315	10.42
7	0.72418	-0.5987	0.1765	15.94	41	1.33330	0.0779	0.2120	38.79
8	0.55252	-1.4030	0.0897	49.04	42	0.87227	-1.6938	0.2000	17.70
9	0.79493	-0.2974	0.1944	11.96	43	0.24435	0.1228	0.2000	81.85
11	1.04331	-1.8722	0.1354	14.96	45	1.17898	-1.5017	0.3399	10.72
12	0.39019	-1.9087	0.2000	113.59	47	0.64790	-1.2931	0.2000	293.23
13	0.34649	-1.6568	0.2000	4.70	49	1.15441	1.0970	0.2418	57.61
14	0.99413	-0.9790	0.2848	22.61	50	0.98653	-0.7679	0.2077	2.75
15	0.94168	-0.8758	0.1772	8.11	51	0.35895	0.5828	0.2000	30.54
16	0.78415	-1.5731	0.1191	2.55	52	1.08101	-0.3894	0.2894	9.31
17	0.66860	0.8838	0.1099	22.20	53	0.83716	-0.0347	0.2716	16.25
18	0.53437	-1.2410	0.2000	75.95	55	0.33114	0.8937	0.0830	11.88
22	0.52595	-1.8245	0.2000	77.08	56	0.75629	0.0240	0.1153	10.66
23	0.92911	0.9760	0.1837	34.45	99	0.54949	-0.2327	0.1685	1.39
24	0.36960	-0.4514	0.1133	28.48	100	0.17273	0.5189	0.2000	127.76
25	1.03565	-0.7082	0.3039	4.39	101	0.52822	-0.0038	0.0691	-0.20
26	0.98148	-1.3323	0.2526	10.42	103	0.38552	-1.4787	0.2000	12.18
27	0.98991	-0.7931	0.1431	8.12	104	0.68610	-1.0211	0.1884	32.97
28	0.92317	0.4763	0.2660	7.65	105	0.53481	1.4034	0.2478	2.43
29	1.15257	0.4843	0.2286	12.50	106	0.94258	-1.6417	0.2000	16.87
31	1.29576	-0.6469	0.3327	3.33	107	0.37049	-0.6071	0.2000	36.92
32	0.74312	-0.7505	0.2876	5.87	109	1.06170	0.7064	0.2990	26.83
33	1.05043	-0.5789	0.1581	16.93	111	0.63222	-0.6300	0.1788	8.12
34	0.91807	-0.0678	0.2247	4.06	112	0.64844	-0.7812	0.2000	-0.63
35	0.51961	-2.1725	0.2000	43.72	113	1.00885	-1.2080	0.1613	7.43
36	0.53631	-1.2599	0.2000	-0.03	114	0.50319	-0.2696	0.1884	50.24
37	0.65723	-0.8663	0.1074	0.05	115	0.80599	-0.5693	0.1725	6.53

N=59608 M1=52.8178 M2=658.0831 Critical Z=158.95

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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		0.76284	-1.2333	-0.2921			13.81
10		0.88556	-1.5772	-0.0671	1.3719		51.67
19		0.99263	-1.5068	-0.3000			40.23
20		0.73273	-1.3440	0.3113	1.1456		76.18
21		0.85023	-1.4225	-1.8491			16.51
30		1.20782	-1.0224	0.7457	1.8956		135.02
38		1.16408	-0.7833	0.5375			109.37
44		0.65611	-0.4497	2.0461			40.61
46		1.01388	-1.5421	0.9163	1.4702		159.27
48		0.75404	-1.6166	0.4083			78.29
54		0.82892	0.3933	1.7214	1.1908		69.87
102		0.49631	-1.0967	0.8314	1.0514		33.86
108		0.59403	-0.5520	-1.3308			25.15
110		0.82200	-0.6834	-0.8090	-0.2706		64.21

N=59608 M1=52.8178 M2=658.0831 Critical Z=158.95

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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
57	0.97354	-0.5347	0.2486	6.30	78	1.00847	0.1059	0.2749	5.18
58	0.91402	-0.8978	0.1798	0.07	79	0.78203	0.6866	0.1011	35.08
59	0.19929	-5.8901	0.2000	68.07	80	0.99995	-1.6630	0.2705	11.16
60	0.86235	-2.1862	0.2000	52.22	81	0.95915	1.0763	0.2080	41.32
61	0.97463	-0.4011	0.2769	8.38	82	0.90122	0.3490	0.2344	11.59
62	0.55154	-1.5475	0.2000	15.57	83	0.92346	-0.0484	0.2853	11.36
63	0.77245	-0.3223	0.2463	4.64	84	0.55613	-0.8711	0.2000	18.93
64	0.53136	0.7386	0.2715	2.25	85	1.52464	-0.6942	0.2823	13.33
65	0.68105	-0.1750	0.2310	3.32	86	0.76827	-0.0795	0.2071	11.00
66	0.90862	-1.1407	0.3505	6.71	87	1.15124	-0.5830	0.1655	10.91
67	0.54006	-0.4969	0.0971	1.91	88	1.32571	-1.3287	0.1127	23.73
68	0.57315	-1.2069	0.0983	5.27	89	1.28194	-0.4878	0.1905	19.76
69	0.56866	0.3358	0.1105	30.54	90	0.78723	1.1167	0.1925	62.22
70	0.83040	-0.9759	0.1923	4.67	91	0.57528	0.4638	0.1410	8.46
71	1.49760	-1.3560	0.2831	8.54	92	1.34111	-0.9940	0.1781	14.49
72	0.19311	-1.3449	0.2000	36.18	93	1.47733	-1.0508	0.2323	17.41
73	0.62931	-1.4988	0.0967	3.09	94	1.36584	-0.4959	0.2070	13.95
74	0.75726	-1.0579	0.2000	5.70	95	1.85910	-1.0589	0.2610	16.49
76	1.27675	-1.9752	0.2235	14.72	96	0.87158	-0.7747	0.0368	118.34
77	0.83722	-2.0808	0.2000	58.53	97	0.71227	-0.7307	0.1415	138.61

N=59372 M1=62.9726 M2=567.0367 Critical Z=158.33

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.04818	-5.4843				2.72
2	A	0.79191	-1.5853				3.63
2	B	1.29367	-2.1156				13.05
2	C	0.88684	-1.0850				7.16
2	D	0.64927	-1.4069				35.15
2	E	1.11828	-0.8714				8.87
2	F	1.03855	-0.6524				5.50
3	A	1.15473	-3.4552	-3.1308	-0.2454	1.7860	213.03
3	B	1.29017	-5.3143	-3.4207	-0.2758	1.8616	57.73
3	C	1.55584	-6.0640	-3.5286			20.06
75		0.86540	-2.3891	-2.9566	-0.6736	2.0494	116.94
98		0.78464	-1.6157	-2.1901	0.0512	1.9708	261.55
116		0.76650	-2.1138	-2.4306	-0.1444	1.8469	143.58

N=59372 M1=62.9726 M2=567.0367 Critical Z=158.33

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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	0.51699	1.8088	0.3189	2.56	31	0.68930	0.6230	0.3322	6.08
2	1.04657	0.6726	0.2192	0.41	32	1.31867	0.8786	0.2903	14.89
3	0.94680	0.8388	0.1185	38.42	33	1.12192	-0.1795	0.1173	6.34
5	1.27926	0.2954	0.1968	21.53	34	1.07935	0.6247	0.0758	23.16
6	0.74248	0.3023	0.2581	40.76	36	0.41041	-0.8146	0.1364	20.17
7	0.96193	-0.3345	0.1479	2.47	37	1.14501	1.2920	0.3058	5.12
8	0.75127	0.5055	0.0621	23.96	38	0.87075	0.2892	0.0518	13.37
10	1.65540	-0.2849	0.2073	6.13	39	1.60258	0.5664	0.1091	22.62
11	1.11216	1.2953	0.3494	18.33	41	1.05021	1.9994	0.2915	2.38
12	1.28505	0.5487	0.3126	4.15	42	0.64168	0.1452	0.1025	-0.96
13	1.52576	0.4614	0.0874	28.64	43	1.55311	0.3780	0.0913	13.25
15	0.29602	1.9531	0.2000	89.86	45	1.39586	0.7962	0.3029	20.23
16	1.64928	0.8509	0.2119	57.87	46	1.01312	0.2289	0.2764	8.89
17	1.61517	1.0681	0.1298	68.87	48	0.61750	-0.4714	0.0689	1.05
19	1.08102	2.3998	0.1003	63.58	49	0.75484	0.0841	0.1920	1.12
21	0.44566	-1.0305	0.2192	12.87	51	1.03598	0.7034	0.1736	5.41
22	0.41148	-2.0105	0.2000	41.17	52	0.90331	0.1754	0.2424	1.13
23	0.47994	0.6462	0.1997	48.89	54	1.04594	-0.2336	0.2063	6.63
24	1.00526	-0.0838	0.0997	14.86	55	0.87684	-0.9494	0.1528	3.21
26	1.38620	0.4852	0.2353	5.03	56	0.93975	2.1081	0.4186	12.09
28	1.18929	0.8037	0.0734	16.53	58	1.39733	0.2614	0.1334	18.22
29	0.63564	-0.7469	0.0492	3.40	59	0.81829	0.8388	0.3059	28.60

N=59678 M1=64.0910 M2=579.5449 Critical Z=159.14

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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
4		1.22702	0.7900	-0.0703			131.10
9		1.06333	-1.3159	-0.6067	2.1832		63.99
14		1.03140	2.4852	-0.1936			46.09
18		0.82928	0.6967	0.5979	3.5071		79.44
20		1.05777	0.8963	0.4920	0.9935	2.1395	97.59
25		1.63342	-1.3877	1.4902			166.84
27		1.38108	-2.8030	-2.6059	-0.0074		41.35
30		1.27761	-0.2254	0.5676			83.63
35		0.83393	-0.8279	1.4139	-0.6872		55.15
40		1.19646	-0.2520	0.7399	1.3400	1.4746	52.66
44		0.93311	1.0651	2.0202			13.51
47		0.97605	-1.9131	1.0027	1.7240		265.78
50		1.59153	1.2503	1.9699			21.90
53		0.94088	-0.7814	-1.1149	1.0765		255.13
60		1.21448	-2.0862	-1.9829	-0.3081	0.5536	292.11

N=59678 M1=64.0910 M2=579.5449 Critical Z=159.14

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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	0.43464	-0.9145	0.2000	46.35	42	0.47795	-0.0549	0.1615	2.27
2	0.94201	-0.6058	0.3268	10.08	44	0.56391	1.1130	0.3628	0.03
4	0.76224	-1.1029	0.0476	1.65	46	0.67606	0.6952	0.1488	4.48
5	0.67866	1.8770	0.1981	-0.19	47	0.61133	0.5032	0.3264	13.54
6	0.78035	0.3586	0.2011	1.63	48	0.91313	0.3694	0.1377	4.04
7	0.85941	0.1961	0.2762	1.53	50	0.68449	0.9192	0.3950	2.65
8	0.73670	0.7899	0.1798	3.00	51	0.58989	-0.2413	0.1254	-0.43
9	1.20983	0.6144	0.2306	14.30	52	1.29096	0.4158	0.3583	16.72
10	0.56398	-0.4391	0.1316	17.91	53	1.14204	-0.8284	0.1783	5.80
11	0.20744	0.7324	0.2000	7.89	54	0.94623	-0.2798	0.2338	21.35
12	0.52247	1.3563	0.2623	4.61	56	0.42558	-1.3917	0.2000	52.81
13	0.64427	1.3224	0.1535	0.77	57	0.75410	0.8869	0.2846	3.65
15	0.71980	-0.6803	0.0529	11.15	60	0.78247	-0.4369	0.2975	1.77
16	0.38053	0.1077	0.1448	9.54	61	0.61590	-1.2106	0.2000	37.03
17	0.50924	-0.7782	0.0885	18.48	62	0.89513	0.2908	0.1304	8.23
18	1.28895	0.5300	0.2113	17.29	63	0.64834	-1.2654	0.2056	8.26
19	1.14034	1.0490	0.3175	11.46	65	1.14403	0.0850	0.2875	57.85
26	0.54772	-1.4774	0.2000	7.98	66	0.52168	-0.6485	0.1983	16.78
27	0.69518	-0.2201	0.2385	3.14	68	0.48190	1.6203	0.2253	1.62
28	0.36544	-0.2806	0.2000	12.55	69	0.65743	1.4471	0.1246	0.80
30	0.85019	-0.4178	0.1261	7.09	70	1.01430	-0.0626	0.2689	3.11
31	0.93312	1.5695	0.2490	12.14	71	0.80072	0.0768	0.2390	0.89
32	0.29254	-1.1535	0.2000	9.09	73	1.05878	-0.8200	0.2688	4.25
33	0.54081	1.8068	0.2635	3.57	74	0.78397	-1.2803	0.0720	51.06
34	0.99772	0.3627	0.3098	2.77	76	0.71060	-0.0323	0.0579	34.44
36	1.01252	0.0980	0.3048	3.41	77	0.55916	-0.8945	0.1281	11.23
37	0.56059	0.5010	0.1841	2.11	78	0.32430	-0.0834	0.2000	6.26
39	0.27553	0.5460	0.2000	-0.26	79	1.02896	0.5651	0.1257	7.81
40	0.99325	-0.6899	0.1240	1.43	80	0.77473	1.9654	0.3223	1.63
41	1.35802	0.0919	0.1260	15.87	82	0.49289	-0.9643	0.1458	42.01

N=54922 M1=54.1258 M2=505.8569 Critical Z=146.46

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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
3		0.78095	0.0338	0.7711			13.79
14		0.88612	1.1499				5.58
20		1.23460	-0.2359				1.57
21		0.80643	-0.9648				8.32
22		0.74794	-0.7139	-0.4286			49.51
23		1.05433	-0.8857				17.10
24		0.61530	-0.3103	0.0974	-0.3516	0.2844	5.24
25		1.26544	-0.8719	-0.2076			46.54
29		0.50550	1.0884				5.60
35		0.79336	-0.6689	1.8604			17.07
38		1.02949	0.4369				9.15
43		0.88122	-0.0148				8.03
45		0.67183	1.0460				19.79
49		0.94640	-1.0288	2.0837			18.37
55		1.34793	0.2502	1.2594			23.27
58		0.77488	1.3560				4.23
59		1.38966	-2.0110	-1.0881	0.2624		29.31
64		1.52778	-0.3749	3.3314			130.48
67		0.95268	-0.2585	-0.0918			31.24
72		1.03123	1.0866	2.2938			29.87
75		1.38484	-0.4054	1.3405			156.80
81		1.15254	0.7258				0.80
83		0.84131	-1.6008	2.5464			118.98

N=54922 M1=54.1258 M2=505.8569 Critical Z=146.46

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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
5	0.28339	-3.2803	0.2000	62.59	41	0.66356	-0.5650	0.0312	7.70
6	0.76992	0.3912	0.1660	16.81	42	0.45778	1.1907	0.1707	18.86
8	0.74876	-1.3584	0.3239	3.92	43	0.83524	-0.4719	0.2132	5.08
9	0.77526	-2.2650	0.2082	7.66	44	0.61698	0.7334	0.2365	53.07
10	0.58995	-1.8261	0.2000	21.26	45	0.39932	-1.4582	0.2000	27.30
11	0.97462	0.5845	0.2354	8.49	46	0.92177	0.3591	0.3400	26.53
12	0.40699	-0.6893	0.2000	30.28	47	0.90782	-0.2031	0.2512	4.58
14	0.95556	-1.3212	0.0680	4.41	48	1.13257	-0.3398	0.2954	5.19
15	0.26353	-1.9628	0.2000	55.70	49	0.94214	-0.2621	0.2112	24.48
16	0.84129	1.2876	0.1361	3.58	50	0.44343	-0.9097	0.0862	11.98
17	0.85774	0.1855	0.2771	5.82	51	0.81187	1.5950	0.1687	25.00
18	0.80926	0.6543	0.2207	31.45	52	0.86080	0.3732	0.1568	7.62
20	0.83159	-0.2361	0.2795	15.17	95	0.38774	-0.8883	0.2000	101.43
23	0.61385	0.1545	0.0573	26.83	97	0.85468	-1.9346	0.2000	3.12
25	1.07346	-1.0874	0.1209	4.25	98	0.64514	-0.4988	0.2000	54.02
26	0.66083	1.5178	0.2904	9.07	100	1.22273	-2.8203	0.2000	45.76
28	0.89374	-2.1502	0.1051	11.38	101	1.44777	-2.5159	0.2000	20.85
29	0.54863	-1.9526	0.1108	5.75	103	0.95971	-1.5462	0.1385	5.55
30	0.83585	0.2159	0.2757	4.78	104	0.53186	-1.6097	0.1760	4.15
32	0.54160	-0.1817	0.1550	5.39	106	0.50689	2.4284	0.2171	12.40
33	0.53776	-1.9651	0.1191	5.02	107	0.77835	-0.0496	0.1857	5.69
34	0.99660	-1.0177	0.2576	2.79	108	0.54180	-1.7081	0.0969	6.30
35	0.79545	0.2929	0.1188	3.66	109	0.59017	-0.9089	0.1760	35.99
36	0.97789	-0.9529	0.1989	3.03	110	0.45174	-0.0311	0.0760	7.03
37	0.66484	0.0001	0.1660	13.08	111	0.57782	-0.5445	0.1294	-0.33
38	0.99641	-0.7400	0.2178	10.14	113	0.80545	-1.5722	0.2000	4.78
39	0.41188	-0.0842	0.2000	39.56	114	1.16234	-0.9657	0.2410	2.11

N=59301 M1=44.4260 M2=665.3102 Critical Z=158.14

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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
4		0.57078	-1.7905	0.0270	0.8237		72.00
7		0.78820	-2.1621	-2.1732			28.57
13		1.24660	-3.0484	0.4730			19.05
19		1.35684	2.7065	2.1003			16.11
22		1.03168	-0.4523	0.6634	2.2580		14.08
24		0.90868	-2.5874	0.3257			80.58
27		0.86201	-1.5854	0.3828	1.4835		18.56
31		0.88205	-0.9593	-0.8989	-0.5205		15.05
40		0.88010	0.2369	1.5616	1.1968		42.24
96		1.18215	-1.7711	-0.1509	2.2996		47.11
99		0.88665	-1.4468	-0.9057	0.2251		55.01
102		0.83775	0.5518	-1.3855	-0.5208		77.45
112		0.89447	-1.4925	0.2277	2.3342		59.12
115		1.09900	-2.0500	0.3103	1.1425		24.53

N=59301 M1=44.4260 M2=665.3102 Critical Z=158.14

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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
53	0.46322	-1.3912	0.2000	3.22	74	1.39389	-0.4125	0.2191	13.76
54	0.39185	-0.9703	0.1311	3.61	75	0.80142	-0.9447	0.2000	18.03
55	0.90051	-1.2105	0.1479	6.14	76	0.34690	1.2054	0.2000	33.16
56	0.90393	0.1964	0.3326	4.83	77	1.13001	-0.4694	0.1293	4.90
57	0.51638	-1.4192	0.1956	5.22	78	0.76781	-0.1698	0.2083	11.28
58	0.85936	-1.8787	0.2000	3.68	79	1.27662	-0.8761	0.2122	10.88
59	0.78143	-0.9916	0.3092	1.02	80	0.97881	-0.7913	0.2601	11.57
60	1.00267	-1.4454	0.2093	3.12	81	1.83624	-0.7740	0.2591	17.08
61	0.53568	-0.1937	0.1789	7.52	82	1.26486	-0.2072	0.1713	20.76
62	0.52879	-0.6410	0.1021	1.36	83	0.69750	-0.7923	0.0825	133.95
63	0.66576	0.0466	0.2973	3.29	84	0.68705	0.0609	0.1524	27.12
64	1.78178	-0.9641	0.1956	19.85	85	0.68195	1.1056	0.2315	32.05
65	0.75510	1.0568	0.2085	25.09	86	1.08222	-0.2180	0.2016	11.12
66	0.64747	0.2800	0.1649	4.67	87	1.55780	-0.4942	0.1516	20.60
67	1.67174	-1.2396	0.2506	29.20	88	2.10162	-0.9963	0.3162	25.30
68	1.09363	-1.1119	0.2134	2.39	89	1.73222	-0.5132	0.2657	15.19
69	1.31088	-0.9779	0.2656	5.50	90	0.35151	-1.3956	0.2000	5.19
70	0.82911	0.1346	0.1842	9.41	91	1.13058	-0.6593	0.1621	25.78
71	1.18342	-0.5096	0.1492	6.75	92	0.85268	-0.2931	0.0423	108.28
73	0.59954	0.3599	0.3398	5.31	93	1.44476	-0.4842	0.1780	16.06

N=59160 M1=67.8924 M2=567.1256 Critical Z=157.76

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.11391	-4.8283				5.61
2	A	1.04203	-1.6931				7.68
2	B	1.27014	-0.8138				8.00
2	C	0.39472	-0.0900				29.02
2	D	0.86794	1.4323				13.39
2	E	1.26884	-0.9271				31.87
2	F	1.03190	-0.1746				10.55
3	A	1.58806	-4.6876	-3.5082	-1.0299	2.5164	246.84
3	B	1.65111	-6.0881	-3.5722	-1.0481	2.5384	96.07
3	C	2.04149	-7.1536	-4.0403			28.81
72		0.64326	-1.3706	-2.2533	-0.5786	1.4589	124.52
94		0.82629	-1.8310	-2.0209	0.0719	2.2026	141.20
116		0.70112	-1.1406	-2.4435	-0.0138	2.1307	274.70

N=59160 M1=67.8924 M2=567.1256 Critical Z=157.76

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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	0.77774	-1.3834	0.0463	20.84	31	0.40204	-0.5504	0.2000	31.84
3	0.77088	0.5331	0.3328	19.98	33	1.51085	0.3364	0.0802	11.52
4	1.54290	0.6228	0.2057	7.57	35	0.83076	0.0883	0.2418	9.58
5	1.77510	1.6154	0.2000	1290.20	36	1.58235	1.0274	0.0730	15.03
6	0.96388	-0.1152	0.1383	11.83	37	1.10845	0.6702	0.2559	2.52
8	0.71831	-0.1818	0.0642	3.30	38	1.69973	1.2147	0.2624	7.63
9	0.86831	0.7374	0.1020	11.10	39	1.17830	1.9749	0.1112	130.57
11	0.90643	0.3753	0.2739	9.34	41	1.04977	0.3442	0.3085	5.47
12	1.00839	0.5091	0.1769	4.19	42	0.74272	-0.1818	0.2970	8.55
13	0.53345	-2.3493	0.2000	57.43	43	1.10069	0.5475	0.4717	16.15
15	1.46323	1.0989	0.1928	178.47	44	1.19929	1.4832	0.2250	14.65
16	0.51376	0.5459	0.3944	5.07	45	0.54804	-0.6217	0.0767	7.79
17	1.18533	1.8626	0.2770	42.38	47	0.32173	-1.9917	0.2000	192.36
18	1.18691	1.4739	0.3093	-0.27	48	1.31290	0.2164	0.0430	37.97
19	1.55600	0.9736	0.1240	79.57	50	0.65930	-0.8258	0.2227	5.26
21	0.56215	0.4608	0.0821	12.92	52	1.50360	1.1236	0.1739	27.95
22	1.00211	1.0997	0.2379	4.37	54	0.52897	1.6898	0.1591	23.85
24	1.13272	0.6523	0.0645	4.78	55	0.85884	0.6099	0.0714	10.88
25	1.45100	1.3982	0.3334	1.47	56	1.24661	1.8446	0.3393	17.38
26	0.94522	0.6664	0.1216	34.08	57	0.47246	0.8938	0.0463	3.39
27	1.14040	0.7904	0.0825	36.91	58	1.41111	0.6921	0.1323	45.58
29	0.28465	0.1284	0.2614	19.32	59	0.77413	-1.6219	0.1817	31.06
30	0.66310	-0.6510	0.1817	37.36					

N=59515 M1=62.7483 M2=582.1292 Critical Z=158.71

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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		1.45063	-1.6343	1.3604			201.42
7		1.09562	0.4785	1.2960	-0.8126		15.79
10		0.91673	2.3577	-0.6643			52.04
14		1.14181	0.5764	2.5969	0.5214		67.03
20		0.96000	-1.1075	-0.2570	1.1535	1.7124	89.10
23		1.29471	1.1233	1.1873			55.48
28		1.25221	0.7817	1.7957	2.1614		63.61
32		1.12025	1.5345	3.1181			38.25
34		1.37826	0.4692	1.6084	2.7449		26.22
40		1.42602	0.3213	1.1745	3.4759	0.7974	31.28
46		0.70409	0.6598	0.2202			118.36
49		1.40921	0.9768	0.4050	0.3903		121.46
51		1.62235	-1.1005	-0.3261			98.86
53		0.84680	-0.4752	1.6596	2.0184		42.49
60		0.76876	0.3982	-0.3580	1.4884	0.0318	284.21

N=59515 M1=62.7483 M2=582.1292 Critical Z=158.71

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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	0.78477	1.2033	0.1494	3.46	41	0.48193	-0.5124	0.2000	62.81
5	0.84953	-0.0289	0.3393	12.95	43	1.04766	-0.9418	0.2613	2.97
6	0.73373	0.4190	0.2215	12.72	44	1.03023	-2.3827	0.2000	20.89
8	0.77272	-0.6229	0.2862	6.05	45	0.70822	-0.3427	0.1404	2.28
10	0.30439	-0.8530	0.1338	17.75	46	1.26826	0.0950	0.2755	14.35
12	0.92876	0.3878	0.2426	7.67	48	0.90789	-0.7924	0.0742	9.42
14	0.42608	0.4241	0.1796	3.76	49	1.15323	0.6883	0.2803	9.06
15	0.74308	-0.9461	0.2954	4.03	50	0.99090	-0.6399	0.3541	7.11
16	0.35556	-1.1120	0.2000	39.16	52	1.02624	-1.9255	0.2494	4.02
17	0.96179	-1.7225	0.1578	3.26	53	0.35959	1.9153	0.1400	-0.76
18	0.71455	-2.0131	0.1805	8.69	96	0.74199	-1.3819	0.2168	8.79
19	1.23127	-0.9886	0.2324	5.48	97	0.60836	-0.3152	0.1805	179.87
22	0.76592	0.1835	0.1132	1.89	98	1.08978	-1.0732	0.2307	7.12
23	0.55244	-1.9030	0.2000	27.98	99	1.66589	-1.5962	0.2022	23.18
24	0.72086	-1.4696	0.1484	13.72	100	0.52062	0.4494	0.1934	19.07
25	0.41376	-0.1021	0.2000	27.77	102	0.57903	-1.8507	0.1805	9.26
26	1.30717	-1.7821	0.2555	3.76	103	1.09986	-1.0901	0.2406	1.46
28	0.48641	-1.4825	0.0860	-0.36	105	0.59213	-1.2236	0.2000	73.93
29	0.76744	-1.1061	0.1213	4.13	106	0.64014	-0.5889	0.2283	0.96
32	0.19691	1.2687	0.2000	122.38	107	0.77816	-2.0269	0.0697	7.57
33	0.31611	0.5784	0.2000	18.51	108	0.45104	-0.4615	0.0575	8.05
34	0.59821	1.7239	0.1432	3.01	110	0.57189	-0.8809	0.1005	78.87
35	0.74531	-1.0667	0.1443	1.52	111	0.59291	-1.0393	0.0611	37.14
37	1.26724	-0.2994	0.1103	12.41	112	0.94357	-0.0149	0.2315	6.52
38	1.25275	-1.7040	0.2216	5.92	113	0.42987	0.0499	0.2500	26.76
39	0.79172	1.7014	0.4185	34.17	114	0.35990	1.7030	0.2030	12.04
40	0.59292	0.7647	0.1671	23.30	115	0.44518	-0.7693	0.0710	0.16

N=56458 M1=45.2980 M2=688.1980 Critical Z=150.55

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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		1.16353	2.1299	1.5852			17.20
11		0.88665	-0.5305	0.3778	1.8409		8.53
13		0.79479	-1.2448	-0.8363	-0.7204	0.2083	48.97
21		1.21465	-3.1567	0.3717			17.64
27		0.45616	-0.0684	-0.2740	0.5457		184.38
30		0.77129	-1.6242	-0.2749	1.2095		80.78
31		1.03896	-1.2186	-0.0170	1.7877		39.17
36		0.77064	-1.0196	0.5214	1.6237		47.35
42		1.18772	-1.0505	-0.9236	0.9644		24.83
47		0.80222	-0.4064	-1.0322	-0.4478		66.82
51		1.01152	-0.3424	1.1656	0.4902		68.92
101		1.08462	-0.4692	0.1382			57.95
104		0.93896	-1.8042	-0.3298	2.1917		51.30
109		1.15216	-2.3963	0.0658	0.8627		32.92

N=56458 M1=45.2980 M2=688.1980 Critical Z=150.55

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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
54	0.53613	0.0291	0.2000	12.26	75	0.79390	-0.8397	0.1559	2.93
55	1.59292	-1.7141	0.3240	5.75	76	1.69636	-1.1522	0.1787	10.24
56	1.16884	-1.7190	0.2014	8.12	77	0.77098	0.0400	0.1615	19.78
57	0.35258	-1.5681	0.2000	16.11	78	1.25723	-0.5571	0.1084	14.64
58	0.98470	-1.0686	0.2197	0.75	79	1.33246	-1.3749	0.2086	20.73
59	1.02741	-1.1734	0.2489	1.94	80	1.11438	-1.4264	0.1564	40.81
60	0.96867	-0.9484	0.1444	15.65	81	1.79213	-1.3965	0.2141	66.70
61	0.93885	1.2535	0.2415	16.30	82	1.22841	0.9781	0.1404	82.57
62	1.02451	0.7010	0.2452	17.87	83	2.22727	-1.3219	0.2568	12.07
63	1.04519	-1.2417	0.2906	2.44	84	1.92663	-1.4969	0.2256	26.25
64	0.82924	0.7272	0.2826	11.06	85	1.01715	-1.1806	0.0757	16.87
65	1.26518	-0.9743	0.2502	5.32	86	0.45675	0.0669	0.2000	14.62
66	0.66596	-1.4803	0.2000	13.80	87	1.07368	-1.1364	0.0681	68.33
67	0.29692	1.1209	0.2000	55.64	88	0.75506	-0.7752	0.1226	92.23
68	1.31334	-0.3864	0.2173	14.24	89	0.71206	-0.2339	0.1265	31.94
69	0.57575	-1.3834	0.2000	71.52	90	1.39496	-1.5177	0.1437	21.91
70	1.27440	-1.0706	0.2212	8.07	91	1.47241	-1.2982	0.1391	34.54
72	1.13464	-1.2200	0.0984	2.97	92	0.57102	0.8410	0.1536	6.48
73	0.63177	0.7050	0.1481	64.86	93	0.49166	-0.0486	0.1841	148.54
74	0.43893	0.1153	0.2000	87.65	94	1.04576	-0.4824	0.2019	15.92

N=56444 M1=69.6756 M2=577.5267 Critical Z=150.52

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.14315	-4.7267				3.81
2	A	1.11316	-0.9609				38.14
2	B	0.28713	-0.8783				62.24
2	C	0.64848	-1.2495				5.24
2	D	0.52623	-1.4683				2.07
2	E	1.09706	0.5556				32.06
2	F	0.73729	-1.7809				15.53
3	A	1.42743	-4.5407	-2.9588	-0.4001	1.3261	146.87
3	B	1.46812	-5.5637	-2.8810	-0.3111	1.3685	88.83
3	C	1.71343	-6.0673	-2.1830			54.09
71		0.78232	-1.7119	-2.2426	-0.4328	1.6799	101.33
95		0.96060	-1.7041	-2.3843	0.0687	2.2207	133.94
116		0.88169	-1.8678	-2.2807	-0.2264	1.6743	89.09

N=56444 M1=69.6756 M2=577.5267 Critical Z=150.52

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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	1.29676	0.7659	0.1163	7.43	31	0.66128	-0.9128	0.1836	10.75
2	0.82471	1.6264	0.1818	1.66	33	0.49897	-0.4890	0.0918	19.06
3	1.17847	1.1870	0.3048	11.64	34	1.33997	1.6607	0.1663	33.37
5	0.62557	1.0481	0.1745	7.68	36	1.49262	0.9125	0.1532	20.85
6	0.75359	1.7574	0.2000	189.25	37	1.14089	0.5854	0.1661	7.25
8	1.29519	1.2631	0.1221	4.67	38	0.71940	-0.3309	0.1376	7.94
9	0.78271	0.4464	0.1000	2.53	39	1.51389	-0.0813	0.1500	12.60
10	0.89601	0.8441	0.0445	84.18	41	1.01168	0.5169	0.2584	3.07
11	1.53978	0.5665	0.1339	74.98	42	0.76369	-0.3276	0.3002	4.61
13	1.20662	0.3437	0.3297	5.88	43	0.74372	1.7495	0.2246	4.60
14	0.54606	-0.1512	0.1786	94.79	45	0.92436	-0.5832	0.1280	4.32
15	1.63862	1.3118	0.2788	50.15	46	1.33202	0.5266	0.0544	28.87
16	0.87795	0.5299	0.1986	5.24	47	1.30784	1.2681	0.2590	11.00
18	1.60394	0.6839	0.0701	14.08	49	0.64350	-1.9354	0.2000	33.50
19	1.35502	0.6459	0.0646	31.67	50	1.47495	0.1413	0.1446	14.55
21	1.18355	1.1270	0.1091	1.20	51	0.37734	-2.0060	0.2000	195.77
22	0.65441	-0.8725	0.2000	3.30	53	0.78853	0.4415	0.2139	2.31
23	1.01279	-0.3613	0.2718	0.67	55	1.27412	0.4191	0.3662	9.22
24	1.79914	1.2203	0.3122	14.76	56	0.79620	0.2749	0.2178	1.14
26	0.82195	-0.0351	0.2482	9.72	57	0.47029	-0.1104	0.0478	64.86
27	0.68244	0.8876	0.0463	0.38	58	0.53894	1.2669	0.1175	7.32
28	1.03387	1.0821	0.4322	5.18	59	0.71339	-0.9997	0.0524	19.87
30	1.38413	1.7644	0.2975	49.49					

N=56793 M1=61.6451 M2=600.8175 Critical Z=151.45

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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
4		1.02800	1.1017	2.6499			27.55
7		1.11149	0.4560	2.2793	0.8407		146.23
12		1.51332	-0.4773	0.8078			162.90
17		0.88113	1.0879	-0.7655	2.0518		281.23
20		0.80973	-1.4095	-0.8893	0.2054	1.4181	52.56
25		0.55019	-1.5189	0.0333			137.33
29		1.37275	-1.8073	0.8610	3.8870		78.62
32		1.32703	0.5785	1.1462			70.82
35		0.92677	-0.8946	-0.7986	0.8245		49.00
40		1.56279	-0.2107	1.6961	2.2307	3.8370	79.05
44		1.04579	-0.2335	0.5260			65.81
48		1.28614	0.4209	-0.4341	0.9774		48.16
52		1.37871	2.2237	-0.7165			61.65
54		1.36636	0.2086	1.0068	0.6723		98.16
60		1.10677	0.2692	0.5286	0.6650	1.3884	104.78

N=56793 M1=61.6451 M2=600.8175 Critical Z=151.45

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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	0.34684	-1.5794	0.2000	81.44	44	0.89175	-1.1457	0.2594	2.60
2	0.66653	-1.7981	0.2000	44.64	46	0.71848	-0.6512	0.0955	29.66
3	0.67247	1.6517	0.1350	1.35	47	1.13878	-0.7378	0.2793	4.62
4	0.73257	0.4254	0.0934	11.56	49	0.71269	1.1969	0.3204	2.67
5	0.60458	-0.6519	0.0837	8.35	50	0.87267	-0.4314	0.3494	1.74
6	0.83274	-0.6625	0.3746	6.40	52	1.41709	0.6799	0.1405	16.31
7	1.01827	1.6370	0.2909	20.61	53	0.73930	-0.8440	0.2729	4.09
8	1.27583	1.3776	0.2619	3.19	54	0.76657	0.4515	0.1471	2.78
9	0.77981	0.6428	0.1481	14.52	55	0.82458	-1.4529	0.2018	12.54
11	0.73256	-0.3582	0.2018	88.99	56	0.62529	0.3927	0.1481	11.68
12	0.75231	0.3926	0.2833	11.18	57	0.86609	-0.5381	0.2535	9.54
13	0.40668	-0.3673	0.0697	29.61	58	1.47320	1.1662	0.1666	95.91
14	2.18041	2.6798	0.1815	34.01	59	1.26852	1.5687	0.2183	66.00
15	0.70211	0.5118	0.4262	16.79	61	0.82187	1.2940	0.3054	4.84
16	0.99594	-0.8227	0.0937	40.30	62	0.78609	-0.9728	0.0761	5.36
17	0.62506	1.1936	0.2472	8.04	63	0.24440	4.1991	0.1080	29.23
18	1.14182	-1.1922	0.2367	4.30	64	0.47710	0.2679	0.1507	5.37
19	0.46914	-0.1980	0.2000	127.81	65	0.61738	0.7876	0.3307	2.29
20	0.52258	1.1302	0.4413	21.93	66	0.64823	-1.5648	0.1358	7.89
28	0.60430	-1.7975	0.2000	9.10	69	0.64371	-1.0237	0.2000	3.39
29	0.75320	0.5169	0.2895	3.20	70	0.65120	-1.9197	0.2000	15.95
30	0.74345	0.2762	0.2561	12.14	71	0.47500	-1.2993	0.1126	9.94
31	0.55687	-0.1645	0.1280	1.11	72	0.39259	0.0718	0.0786	2.58
33	0.77460	1.2832	0.3048	21.27	74	0.45422	-0.5767	0.0921	4.00
35	0.65217	1.8215	0.2209	5.80	75	1.15252	0.9049	0.2063	14.64
36	0.54744	1.1404	0.2734	9.65	77	0.87906	-0.3557	0.0925	18.13
37	1.19632	1.4215	0.3714	6.10	78	0.63325	0.9832	0.1591	4.30
38	0.57134	1.3173	0.2050	7.16	79	1.09806	1.0517	0.1679	27.58
42	0.52470	1.6977	0.1438	2.57	80	1.04784	0.0316	0.3682	8.59
43	0.46704	2.4184	0.2764	4.15					

N=56683 M1=55.5745 M2=507.2820 Critical Z=151.15

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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
10		0.90955	0.2743	1.8747			7.57
21		0.50525	-0.0434	-1.3210	0.3408	0.3090	34.75
22		0.64571	0.2783	-0.0081			22.09
23		1.24900	-0.2412				6.28
24		0.50573	-0.4783	-0.6869	-0.0881		43.05
25		1.11621	0.7854				65.56
26		0.89023	-0.1072				125.50
27		1.23445	0.0762				66.07
32		0.68839	-1.0047	0.8409			95.90
34		0.79337	0.5935				3.30
39		1.03709	1.0482				4.44
40		1.10989	1.7155	0.3582			55.21
41		0.24061	0.6501				71.13
45		0.45050	2.0417	3.9631			22.37
48		0.98179	1.0521	2.8880			69.50
51		0.72762	0.6066	-0.3890			29.31
67		1.36825	1.9567				30.97
68		0.88379	1.0602	1.3769			53.28
73		1.13954	-0.7178				1.21
76		1.05511	-0.2007	0.9731			32.13
81		0.92790	0.3730	1.8443			7.16
82		0.34598	-0.4424	-0.0018			23.45
83		0.78142	-0.4240	1.8718			33.07

N=56683 M1=55.5745 M2=507.2820 Critical Z=151.15

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Table 147. Correlations between the Reference and New Form Item Parameters for the 2012 TCAP Administration

Content Area	Grade	Discrimination (a)	Difficulty (b)	Guessing (c)	*p*-Value (p)
Reading	3	0.95	0.91	0.82	0.99
	4	0.93	0.99	0.78	0.99
	5	0.98	0.98	0.76	0.99
	6	0.97	0.99	0.99	0.98
	7	0.98	0.98	0.73	0.99
	8	0.92	0.95	0.73	0.99
	9	0.93	0.97	0.70	0.98
	10	0.97	0.98	0.95	0.99
Writing	3	0.95	0.97	0.92	0.97
	4	0.96	0.99	0.90	0.99
	5	0.96	0.92	0.85	0.97
	6	0.95	0.96	0.46	0.97
	7	0.97	0.96	0.68	0.97
	8	0.93	0.91	0.55	0.98
	9	0.98	0.99	0.62	1.00
	10	0.94	0.99	0.41	0.99
Mathematics	3	0.95	0.99	0.98	0.99
	4	0.91	0.98	0.76	0.98
	5	0.98	0.99	0.92	0.99
	6	0.97	0.98	0.89	0.98
	7	0.98	0.96	0.94	0.97
	8	0.97	0.93	0.91	0.98
	9	0.98	0.98	0.78	0.99
	10	0.98	0.98	0.83	0.99
Science	5	0.90	0.92	0.61	0.98
	8	0.95	0.98	0.86	0.98
	10	0.92	0.98	0.94	0.99

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

Content Area	Grade	2011		2012	
		Multiplicative	Additive	Multiplicative	Additive
Reading	3	60.0	571.3	58.8	572.4
	4	52.4	590.4	51.4	593.4
	5	56.0	623.4	56.7	619.7
	6	55.2	635.6	54.2	635.2
	7	56.4	646.9	56.3	647.7
	8	51.9	657.9	52.8	658.1
	9	44.7	663.5	44.4	665.3
	10	47.2	685.7	45.3	688.2
Writing	3	44.0	464.6	43.1	465.2
	4	46.8	493.8	45.4	484.1
	5	48.9	512.8	51.8	508.4
	6	54.5	529.7	55.2	524.6
	7	60.9	554.5	62.7	559.6
	8	64.6	565.5	63.0	567.0
	9	70.1	574.7	67.9	567.1
	10	65.1	583.3	69.7	577.5
Mathematics	3	74.8	473.5	80.7	469.3
	4	63.9	510.2	71.0	503.3
	5	66.4	533.3	67.2	526.0
	6	63.0	558.1	66.1	541.0
	7	60.6	569.3	67.4	563.4
	8	57.6	582.7	64.1	579.5
	9	62.9	582.9	62.7	582.1
	10	60.3	601.0	61.6	600.8
Science	5	57.5	509.3	61.6	502.3
	8	55.2	505.3	54.1	505.9
	10	57.3	501.7	55.6	507.3

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Table 149. TCAP 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	21	100.0
		Total Test	40	100.0
	Total	Anchor Set	21	100.0
		Total Test	40	100.0
4	CS 1	Anchor Set	8	36.4
		Total Test	28	40.6
	CS 4	Anchor Set	4	18.2
		Total Test	13	18.8
	CS 5	Anchor Set	5	22.7
		Total Test	15	21.7
	CS 6	Anchor Set	5	22.7
		Total Test	13*	18.8
	Total	Anchor Set	22	100.0
		Total Test	69	100.0
5	CS 1	Anchor Set	8	34.8
		Total Test	25	35.7
	CS 4	Anchor Set	5	21.7
		Total Test	16	22.9
	CS 5	Anchor Set	6	26.1
		Total Test	17	24.3
	CS 6	Anchor Set	4	17.4
		Total Test	12	17.1
	Total	Anchor Set	23	100.0
		Total Test	70	100.0
6	CS 1	Anchor Set	9	42.9
		Total Test	28	40.0
	CS 4	Anchor Set	5	23.8
		Total Test	12	17.1
	CS 5	Anchor Set	4	19.0
		Total Test	18	25.7
	CS 6	Anchor Set	3	14.3
		Total Test	12	17.1
	Total	Anchor Set	21	100.0
		Total Test	70	100.0

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Table 149. TCAP 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	6*	30.0
		Total Test	22*	31.9
	CS 4	Anchor Set	5	25.0
		Total Test	15	21.7
	CS 5	Anchor Set	4	20.0
		Total Test	15	21.7
	CS 6	Anchor Set	5	25.0
		Total Test	17	24.6
	Total	Anchor Set	20	100.0
		Total Test	69	100.0
8	CS 1	Anchor Set	7*	35.0
		Total Test	25	35.7
	CS 4	Anchor Set	6	30.0
		Total Test	16	22.9
	CS 5	Anchor Set	4	20.0
		Total Test	15	21.4
	CS 6	Anchor Set	3*	15.0
		Total Test	14	20.0
	Total	Anchor Set	20	100.0
		Total Test	70	100.0
9	CS 1	Anchor Set	14	43.8
		Total Test	25	36.8
	CS 4	Anchor Set	7	21.9
		Total Test	14*	20.6
	CS 5	Anchor Set	5	15.6
		Total Test	16*	23.5
	CS 6	Anchor Set	6	18.8
		Total Test	13	19.1
	Total	Anchor Set	32	100.0
		Total Test	68	100.0

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Table 149. TCAP 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	8	33.3
		Total Test	21	30.9
	CS 4	Anchor Set	6	25.0
		Total Test	17*	25.0
	CS 5	Anchor Set	5	20.8
		Total Test	17	25.0
	CS 6	Anchor Set	5	20.8
		Total Test	13	19.1
	Total	Anchor Set	24	100.0
		Total Test	68	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. TCAP 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	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
4	CS 2	Anchor Set	11	45.8
		Total Test	21	39.6
	CS 3	Anchor Set	13	54.2
		Total Test	32	60.4
	Total	Anchor Set	24	100.0
		Total Test	53	100.0
5	CS 2	Anchor Set	11	45.8
		Total Test	21	39.6
	CS 3	Anchor Set	13	54.2
		Total Test	32	60.4
	Total	Anchor Set	24	100.0
		Total Test	53	100.0
6	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
7	CS 2	Anchor Set	8*	40.0
		Total Test	21	39.6
	CS 3	Anchor Set	12	60.0
		Total Test	32	60.4
	Total	Anchor Set	20	100.0
		Total Test	53	100.0
8	CS 2	Anchor Set	12	48.0
		Total Test	21	39.6
	CS 3	Anchor Set	13	52.0
		Total Test	32	60.4
	Total	Anchor Set	25	100.0
		Total Test	53	100.0

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Table 150. TCAP 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	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
10	CS 2	Anchor Set	10	43.5
		Total Test	21	39.6
	CS 3	Anchor Set	13	56.5
		Total Test	32	60.4
	Total	Anchor Set	23	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 151. TCAP 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	4	23.5
		Total Test	11	27.5
	CS 4/5	Anchor Set	7	41.2
		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*	15.8
		Total Test	14	20.3
	CS 2	Anchor Set	3	15.8
		Total Test	9	13.0
	CS 3	Anchor Set	3	15.8
		Total Test	11	15.9
	CS 4/5	Anchor Set	6	31.6
		Total Test	21	30.4
	CS 6	Anchor Set	4	21.1
		Total Test	14	20.3
	Total	Anchor Set	19	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. TCAP 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	20.0
		Total Test	12	20.0
	CS 2	Anchor Set	4	20.0
		Total Test	10	16.7
	CS 3	Anchor Set	4	20.0
		Total Test	11	18.3
	CS 4/5	Anchor Set	5	25.0
		Total Test	16	26.7
	CS 6	Anchor Set	3	15.0
		Total Test	11	18.3
	Total	Anchor Set	20	100.0
		Total Test	60	100.0
7	CS 1/6	Anchor Set	3	15.8
		Total Test	19	31.7
	CS 2	Anchor Set	5	26.3
		Total Test	12	20.0
	CS 3	Anchor Set	5	26.3
		Total Test	12	20.0
	CS 4/5	Anchor Set	6	31.6
		Total Test	17	28.3
	Total	Anchor Set	19	100.0
		Total Test	60	100.0
8	CS 1/6	Anchor Set	5	25.0
		Total Test	14*	23.7
	CS 2	Anchor Set	5	25.0
		Total Test	15	25.4
	CS 3	Anchor Set	4	20.0
		Total Test	12	20.3
	CS 4/5	Anchor Set	6	30.0
		Total Test	18	30.5
	Total	Anchor Set	20	100.0
		Total Test	59	100.0

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Table 151. TCAP 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	21.1
		Total Test	13	21.7
	CS 2	Anchor Set	6	31.6
		Total Test	17	28.3
	CS 3	Anchor Set	5	26.3
		Total Test	15	25.0
	CS 4/5	Anchor Set	4*	21.1
		Total Test	15	25.0
	Total	Anchor Set	19	100.0
		Total Test	60	100.0
10	CS 1/6	Anchor Set	5	25.0
		Total Test	14	23.3
	CS 2	Anchor Set	5	25.0
		Total Test	17	28.3
	CS 3	Anchor Set	5	25.0
		Total Test	15	25.0
	CS 4/5	Anchor Set	5	25.0
		Total Test	14	23.3
	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. TCAP 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	42.1
		Total Test	30	40.0
	CS 2	Anchor Set	3*	15.8
		Total Test	15	20.0
	CS 3	Anchor Set	4	21.1
		Total Test	15	20.0
	CS 4	Anchor Set	4	21.1
		Total Test	15	20.0
	Total	Anchor Set	19	100.0
		Total Test	75	100.0
8	CS 1/5	Anchor Set	8	40.0
		Total Test	34	41.0
	CS 2	Anchor Set	4	20.0
		Total Test	17	20.5
	CS 3	Anchor Set	4	20.0
		Total Test	17	20.5
	CS 4	Anchor Set	4	20.0
		Total Test	15	18.1
	Total	Anchor Set	20	100.0
		Total Test	83	100.0
10	CS 1/5	Anchor Set	8	40.0
		Total Test	33	40.2
	CS 2	Anchor Set	4	20.0
		Total Test	17	20.7
	CS 3	Anchor Set	4	20.0
		Total Test	17	20.7
	CS 4	Anchor Set	4	20.0
		Total Test	15*	18.3
	Total	Anchor Set	20	100.0
		Total Test	82	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. TCAP 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	31039	572	70.8	577	32066	554	77.1	563	63109	563	74.5	569
	4	30829	594	57.9	601	32083	579	67.4	589	62918	587	63.4	595
	5	30735	619	63.4	625	31587	603	74.7	615	62327	611	69.8	620
	6	30110	638	58.9	644	31671	620	67.0	630	61782	629	63.8	636
	7	29691	649	61.0	655	30872	632	68.9	643	60565	641	65.7	649
	8	29215	660	56.6	664	30259	642	62.4	649	59478	651	60.3	657
	9	29027	668	48.0	671	30096	653	51.0	657	59136	660	50.2	664
	10	27717	692	48.5	695	28583	672	56.2	679	56306	682	53.5	687
Writing	3	31043	475	48.7	474	32061	459	49.9	460	63109	467	50.0	467
	4	30802	493	49.6	492	32080	475	49.4	476	62888	483	50.3	484
	5	30853	519	57.2	518	31678	498	57.2	500	62536	509	58.2	509
	6	30084	534	59.6	533	31657	509	61.5	511	61742	521	61.8	521
	7	29681	575	69.1	572	30874	543	67.8	545	60557	559	70.3	558
	8	29123	581	69.7	578	30180	549	68.3	551	59307	564	70.8	564
	9	28971	581	72.7	579	30059	550	74.8	553	59043	565	75.4	566
	10	27749	593	74.5	592	28619	560	75.7	562	56374	576	76.9	577
Mathematics	3	31682	460	87.7	465	32748	467	93.6	472	64430	464	90.8	468
	4	30872	493	77.9	497	32169	497	82.2	503	63042	495	80.2	500
	5	30850	518	72.2	520	31710	518	78.3	522	62561	518	75.4	521
	6	29991	537	70.5	540	31586	536	77.1	542	61579	537	73.9	541
	7	29718	562	71.8	565	30910	560	79.5	564	60630	561	75.8	565
	8	29239	577	67.6	580	30301	575	75.1	580	59543	576	71.6	580
	9	28910	575	71.2	581	29994	576	75.5	581	58912	575	73.4	581
	10	27824	593	66.2	599	28723	594	75.0	601	56557	594	70.8	600
Science	5	30875	498	65.0	504	31715	500	68.1	507	62594	499	66.6	505
	8	29209	501	57.7	506	30233	498	62.2	505	59446	499	60.0	505
	10	27808	499	58.0	505	28704	500	66.0	509	56517	500	62.2	507
Reading Spanish	3	578	527	44.2	531	611	510	53.8	513	1189	518	50.1	521
	4	45	525	51.0	529	46	506	40.3	507	91	515	46.7	517
Writing Spanish	3	582	525	70.1	527	617	498	71.6	496	1199	511	72.1	511
	4	44	509	47.0	514	47	486	43.2	487	91	497	46.3	495

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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	563	74.5	569	.	.	.	.	.	.	.	.	.
	4	588	69.1	595	.	.	.	.	.	.	583	95.4	595
	5	612	77.1	619	.	.	.	.	.	.	608	97.2	620
	6	630	73.8	637	.	.	.	.	.	.	631	82.4	635
	7	644	78.0	647	.	.	.	.	.	.	641	82.5	649
	8	654	69.5	656	.	.	.	.	.	.	647	80.6	658
	9	662	58.3	664	.	.	.	.	.	.	660	68.8	664
	10	681	63.9	687	.	.	.	.	.	.	685	70.6	688
Writing	3	.	.	.	468	57.2	468	476	70.0	467	.	.	.
	4	.	.	.	484	54.6	484	489	64.5	484	.	.	.
	5	.	.	.	510	63.9	508	516	77.6	509	.	.	.
	6	.	.	.	523	69.3	522	523	69.4	522	.	.	.
	7	.	.	.	560	78.2	556	564	84.4	559	.	.	.
	8	.	.	.	565	77.3	563	573	93.1	565	.	.	.
	9	.	.	.	566	82.1	566	574	97.3	567	.	.	.
	10	.	.	.	578	85.2	575	583	93.9	578	.	.	.
Mathematics	3	462	119.0	469	469	117.7	468	.	.	.	469	108.4	468
	4	498	96.3	502	506	124.7	499	504	116.5	501	503	101.0	500
	5	520	95.5	521	522	93.9	520	520	94.7	522	520	94.4	521
	6	531	107.3	542	541	93.7	543	540	90.1	542	531	92.0	541
	7	561	83.8	565	561	93.0	565	559	96.0	566	550	103.9	564
	8	574	83.4	581	578	90.7	578	574	87.1	580	569	91.7	580
	9	563	102.3	582	575	84.5	580	572	87.3	583	571	84.1	580
	10	580	104.8	600	591	81.0	599	595	79.9	600	576	103.3	600
Science	5	500	72.4	505	502	82.1	505	499	80.8	504	503	89.2	506
	8	500	65.1	506	496	78.2	504	499	70.6	505	499	80.9	505
	10	499	66.8	508	494	77.4	506	499	75.7	505	500	78.0	507
Reading Spanish	3	518	50.1	521	.	.	.	.	.	.	.	.	.
	4	515	60.4	517	.	.	.	.	.	.	505	67.5	517
Writing Spanish	3	.	.	.	521	80.5	524	507	78.9	500	.	.	.
	4	.	.	.	490	56.7	495	500	47.6	503	.	.	.

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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	.	.	.	.	.	.	563	74.5	569
	4	590	102.7	595	589	89.5	595	587	63.4	595
	5	605	101.7	621	611	83.4	619	611	69.8	620
	6	635	88.6	637	625	87.7	635	629	63.8	636
	7	648	90.3	649	639	82.9	648	641	65.7	649
	8	653	85.4	658	650	72.4	656	651	60.3	657
	9	668	77.1	664	655	66.2	664	660	50.2	664
	10	686	74.7	688	680	64.9	686	682	53.5	687
Writing	3	.	.	.	.	.	.	467	50.0	467
	4	.	.	.	.	.	.	483	50.3	484
	5	.	.	.	.	.	.	509	58.2	509
	6	.	.	.	.	.	.	521	61.8	521
	7	.	.	.	.	.	.	559	70.3	558
	8	.	.	.	.	.	.	564	70.8	564
	9	.	.	.	.	.	.	565	75.4	566
	10	.	.	.	.	.	.	576	76.9	577
Mathematics	3	.	.	.	469	111.9	466	464	90.8	468
	4	.	.	.	505	108.3	502	495	80.2	500
	5	.	.	.	530	107.4	522	518	75.4	521
	6	.	.	.	554	121.4	542	537	73.9	541
	7	.	.	.	.	.	.	561	75.8	565
	8	.	.	.	.	.	.	576	71.6	580
	9	.	.	.	.	.	.	575	73.4	581
	10	.	.	.	.	.	.	594	70.8	600
Science	5	.	.	.	.	.	.	499	66.6	505
	8	.	.	.	.	.	.	499	60.0	505
	10	.	.	.	.	.	.	500	62.2	507
Reading Spanish	3	.	.	.	.	.	.	518	50.1	521
	4	512	68.8	518	509	59.1	507	515	46.7	517
Writing Spanish	3	.	.	.	.	.	.	511	72.1	511
	4	.	.	.	.	.	.	497	46.3	495

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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	566	88.0	569	556	101.2	571	594	127.9	569	.	.	.	.	.	.
	4	587	72.3	596	582	86.8	595	624	140.0	595	.	.	.	.	.	.
	5	611	77.9	620	606	92.2	620	659	160.5	620	.	.	.	.	.	.
	6	629	70.2	637	625	93.7	636	678	157.4	640	.	.	.	.	.	.
	7	643	83.6	648	641	81.8	648	710	173.8	653	640	88.6	649	.	.	.
	8	653	78.3	657	651	72.7	657	685	137.5	656	639	104.2	658	.	.	.
	9	658	60.8	663	661	61.7	663	685	117.6	666	654	92.6	664	.	.	.
	10	681	63.5	686	682	66.9	687	699	104.7	689	677	89.7	689	.	.	.
Writing	3	.	.	.	.	.	.	.	.	.	.	.	.	471	62.2	469
	4	.	.	.	.	.	.	.	.	.	.	.	.	485	63.4	485
	5	.	.	.	.	.	.	.	.	.	.	.	.	512	72.8	509
	6	.	.	.	.	.	.	.	.	.	.	.	.	524	75.6	522
	7	.	.	.	.	.	.	.	.	.	.	.	.	562	85.2	558
	8	.	.	.	.	.	.	.	.	.	.	.	.	567	90.4	562
	9	.	.	.	.	.	.	.	.	.	.	.	.	566	91.1	567
	10	.	.	.	.	.	.	.	.	.	.	.	.	577	93.5	579
Mathematics	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	4	501	98.3	500	509	128.7	497	551	165.4	497	.	.	.	.	.	.
	5	523	100.8	521	527	103.7	520	526	115.3	519	.	.	.	.	.	.
	6	537	104.0	542	541	94.9	544	513	128.1	537	.	.	.	.	.	.
	7	548	114.9	566	548	108.8	560	.	.	.	.	.	.	.	.	.
	8	579	95.2	577	539	140.6	580	571	92.3	579	.	.	.	.	.	.
	9	578	91.2	580	556	112.7	583	.	.	.	.	.	.	.	.	.
	10	592	78.3	600	633	169.3	584	.	.	.	.	.	.	.	.	.
Science	5	500	83.5	505	515	120.9	505	.	.	.	.	.	.	.	.	.
	8	501	75.6	505	502	79.5	505	495	84.9	504	.	.	.	498	128.1	508
	10	499	76.4	508	503	86.8	506	.	.	.	495	98.7	507	512	121.5	507
Reading Spanish	3	520	60.3	522	518	64.7	524	518	66.2	521	.	.	.	.	.	.
	4	511	54.6	514	506	67.4	514	525	95.6	526	.	.	.	.	.	.
Writing Spanish	3	.	.	.	.	.	.	.	.	.	.	.	.	535	102.7	551
	4	.	.	.	.	.	.	.	.	.	.	.	.	489	72.7	487

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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	.	.	.	.	.	.	.	.	.	563	74.5	569
	4	.	.	.	.	.	.	.	.	.	587	63.4	595
	5	.	.	.	.	.	.	.	.	.	611	69.8	620
	6	.	.	.	.	.	.	.	.	.	629	63.8	636
	7	.	.	.	.	.	.	.	.	.	641	65.7	649
	8	.	.	.	.	.	.	.	.	.	651	60.3	657
	9	.	.	.	.	.	.	.	.	.	660	50.2	664
	10	.	.	.	.	.	.	.	.	.	682	53.5	687
Writing	3	.	.	.	491	96.8	468	485	98.9	468	467	50.0	467
	4	501	97.0	479	503	92.0	487	490	98.2	486	483	50.3	484
	5	534	121.1	541	520	89.4	510	524	104.7	510	509	58.2	509
	6	597	175.7	511	523	81.3	522	534	97.5	528	521	61.8	521
	7	575	123.7	526	582	124.3	560	566	105.8	558	559	70.3	558
	8	589	142.7	609	578	109.2	566	587	130.5	564	564	70.8	564
	9	592	141.7	600	583	128.4	568	588	136.8	564	565	75.4	566
	10	625	177.5	606	600	131.5	579	572	142.0	580	576	76.9	577
Mathematics	3	.	.	.	.	.	.	.	.	.	464	90.8	468
	4	.	.	.	.	.	.	.	.	.	495	80.2	500
	5	.	.	.	.	.	.	.	.	.	518	75.4	521
	6	.	.	.	.	.	.	.	.	.	537	73.9	541
	7	.	.	.	.	.	.	.	.	.	561	75.8	565
	8	.	.	.	.	.	.	.	.	.	576	71.6	580
	9	.	.	.	.	.	.	.	.	.	575	73.4	581
	10	.	.	.	.	.	.	.	.	.	594	70.8	600
Science	5	.	.	.	.	.	.	.	.	.	499	66.6	505
	8	497	88.1	506	.	.	.	.	.	.	499	60.0	505
	10	502	82.9	506	.	.	.	.	.	.	500	62.2	507
Reading Spanish	3	.	.	.	.	.	.	.	.	.	518	50.1	521
	4	.	.	.	.	.	.	.	.	.	515	46.7	517
Writing Spanish	3	.	.	.	510	91.0	503	515	117.6	508	511	72.1	511
	4	469	82.8	482	502	56.5	508	480	85.2	503	497	46.3	495

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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	32	9.4	33	61.2	.	.	.	.	.	.	.	.	.	.	.	.
	4	24	6.7	25	65.1	.	.	.	.	.	.	.	.	10	3.5	11	57.2
	5	19	5.8	20	61.4	.	.	.	.	.	.	.	.	11	3.9	12	57.2
	6	21	5.9	22	66.6	.	.	.	.	.	.	.	.	12	4.2	13	60.8
	7	21	5.8	22	69.6	.	.	.	.	.	.	.	.	12	4.0	13	60.2
	8	21	5.4	23	69.2	.	.	.	.	.	.	.	.	12	3.9	12	55.4
	9	22	5.2	22	68.2	.	.	.	.	.	.	.	.	12	4.0	12	59.0
	10	19	6.0	20	59.0	.	.	.	.	.	.	.	.	12	3.6	13	65.7
Writing	3	.	.	.	.	17	3.8	18	71.5	25	5.8	27	78.5	.	.	.	.
	4	.	.	.	.	24	5.5	24	65.4	25	5.8	26	75.1	.	.	.	.
	5	.	.	.	.	25	5.6	25	68.4	25	6.2	26	75.0	.	.	.	.
	6	.	.	.	.	25	5.5	25	68.9	22	6.2	24	68.3	.	.	.	.
	7	.	.	.	.	24	5.5	25	67.2	24	6.0	26	73.8	.	.	.	.
	8	.	.	.	.	24	5.4	24	66.3	25	5.9	26	75.2	.	.	.	.
	9	.	.	.	.	23	5.6	24	64.3	24	6.6	26	72.9	.	.	.	.
	10	.	.	.	.	24	6.0	25	67.1	25	5.7	26	74.5	.	.	.	.
Mathematics	3	6	2.5	6	59.6	8	3.3	9	65.0	.	.	.	.	11	3.5	12	68.9
	4	13	3.9	14	66.5	9	3.7	10	64.5	9	3.5	10	66.3	20	5.5	21	71.7
	5	12	4.1	12	61.5	12	4.2	12	63.1	12	4.4	12	61.1	12	4.4	13	61.9
	6	9	4.3	9	52.5	11	3.7	11	63.7	11	3.6	11	61.6	10	5.0	9	45.5
	7	13	5.4	13	51.5	9	3.8	8	52.1	9	3.9	9	50.6	10	6.2	9	39.3
	8	9	4.6	9	45.1	11	5.5	11	51.9	8	3.7	8	49.8	11	5.3	10	41.8
	9	7	3.8	6	38.9	11	6.2	10	42.7	9	4.1	9	44.3	8	4.9	7	36.0
	10	7	4.1	7	43.2	11	5.8	10	43.0	12	4.3	13	56.7	7	5.1	5	30.6
Science	5	21	7.2	22	59.7	11	3.3	11	59.5	10	3.5	10	53.3	10	3.2	11	61.8
	8	24	9.2	25	56.6	9	3.8	9	47.7	10	3.8	10	48.2	8	3.0	9	53.2
	10	23	7.6	24	52.9	8	3.6	8	41.7	9	3.4	9	48.4	8	2.8	8	48.0
Reading Spanish	3	30	9.9	31	57.7	.	.	.	.	.	.	.	.	.	.	.	.
	4	20	8.4	20	54.9	.	.	.	.	.	.	.	.	8	3.7	7	44.4
Writing Spanish	3	.	.	.	.	16	4.6	17	67.0	23	5.7	24	72.5	.	.	.	.
	4	.	.	.	.	16	5.8	16	47.9	18	6.0	17	50.3	.	.	.	.

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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	.	.	.	.	.	.	.	.	32	9.4	33	61.2
	4	12	4.0	12	64.2	11	3.4	12	67.4	57	16.1	61	63.7
	5	12	4.0	12	58.0	11	3.9	12	56.6	53	16.2	56	58.7
	6	14	4.0	14	68.0	10	3.9	11	52.5	57	16.4	60	62.5
	7	14	3.9	15	70.7	12	3.5	12	57.6	59	15.7	62	65.1
	8	12	3.8	13	65.3	10	3.8	10	51.7	56	15.4	58	61.4
	9	14	4.1	15	68.6	8	3.6	8	41.9	56	15.3	57	60.6
	10	14	4.2	15	66.6	11	4.3	11	50.2	56	16.4	59	60.0
Writing	3	.	.	.	.	.	.	.	.	42	9.0	44	75.4
	4	.	.	.	.	.	.	.	.	48	10.6	50	70.0
	5	.	.	.	.	.	.	.	.	49	11.1	51	71.5
	6	.	.	.	.	.	.	.	.	47	11.0	49	68.6
	7	.	.	.	.	.	.	.	.	48	10.9	51	70.3
	8	.	.	.	.	.	.	.	.	49	10.6	50	70.5
	9	.	.	.	.	.	.	.	.	47	11.5	49	68.4
	10	.	.	.	.	.	.	.	.	49	11.1	51	70.6
Mathematics	3	.	.	.	.	7	2.3	7	65.4	32	10.5	34	65.3
	4	.	.	.	.	13	4.1	14	71.0	65	18.8	69	68.7
	5	.	.	.	.	13	4.1	14	70.2	61	19.3	63	63.6
	6	.	.	.	.	9	3.3	9	65.7	49	17.8	49	56.8
	7	.	.	.	.	.	.	.	.	42	17.7	39	47.8
	8	.	.	.	.	.	.	.	.	40	17.6	38	46.7
	9	.	.	.	.	.	.	.	.	35	17.5	32	40.6
	10	.	.	.	.	.	.	.	.	38	17.7	35	43.4
Science	5	.	.	.	.	.	.	.	.	52	15.5	53	58.8
	8	.	.	.	.	.	.	.	.	52	17.9	53	52.7
	10	.	.	.	.	.	.	.	.	48	15.5	49	49.0
Reading Spanish	3	.	.	.	.	.	.	.	.	30	9.9	31	57.7
	4	8	3.9	8	46.7	8	3.4	8	43.4	45	17.8	44	48.9
Writing Spanish	3	.	.	.	.	.	.	.	.	39	9.7	41	70.1
	4	.	.	.	.	.	.	.	.	34	10.9	32	49.1

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Table 158. Raw Score Descriptive Statistics by Subcontent Area

Content Area	Grade	Subcontent Area 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	5 Mean	5 SD	5 Med.	5 Mean % of Max
Reading	3	13	4.1	14	58.8	11	4.1	12	56.3	8	2.2	8	75.9	.	.	.	.	.	.	.	.
	4	21	5.7	22	65.0	16	5.6	17	57.0	9	2.4	10	75.6	.	.	.	.	.	.	.	.
	5	20	6.0	21	58.4	14	5.6	14	53.0	8	2.1	8	75.9	.	.	.	.	.	.	.	.
	6	25	7.8	27	60.0	10	4.1	11	55.2	8	2.1	8	76.3	.	.	.	.	.	.	.	.
	7	14	4.4	14	64.8	13	4.2	14	59.5	7	1.8	8	79.3	11	3.	11	59.2	.	.	.	.
	8	12	3.7	13	64.2	14	4.3	15	57.2	9	2.4	9	74.8	8	3.	8	49.8	.	.	.	.
	9	12	4.5	12	50.4	16	4.4	16	62.8	9	2.4	9	72.4	5	2.	6	50.1	.	.	.	.
	10	16	5.4	16	56.4	13	4.4	13	57.5	8	2.1	8	69.8	6	2.	6	52.2	.	.	.	.
Writing	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	17	3.5	17	75.9
	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	13	3.4	14	63.0
	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	13	3.4	13	65.4
	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	14	3.6	14	64.9
	7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	15	3.6	15	66.1
	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	11	2.9	12	63.5
	9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	15	4.1	15	60.6
	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	14	4.1	15	62.5
Mathematics	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	4	15	4.3	15	69.4	8	3.5	9	65.2	6	1.7	7	79.3	.	.	.	.	.	.	.	.
	5	10	3.0	10	64.6	10	3.5	10	65.7	7	2.8	7	62.1	.	.	.	.	.	.	.	.
	6	9	4.3	9	56.2	9	3.3	10	62.3	5	3.0	4	38.6	.	.	.	.	.	.	.	.
	7	4	2.6	4	38.6	6	4.4	4	34.4	.	.	.	.	.	.	.	.	.	.	.	.
	8	8	4.1	8	51.1	4	2.7	3	36.2	6	3.2	5	39.6	.	.	.	.	.	.	.	.
	9	7	4.0	7	46.7	5	3.2	4	34.2	.	.	.	.	.	.	.	.	.	.	.	.
	10	13	6.6	12	42.1	2	1.2	2	57.7	.	.	.	.	.	.	.	.	.	.	.	.
Science	5	12	4.6	13	58.0	6	2.1	6	61.9	.	.	.	.	.	.	.	.	.	.	.	.
	8	11	4.2	11	55.3	13	5.1	13	57.5	6	2.6	6	48.3	.	.	.	.	3	1.4	3	50.6
	10	10	3.9	10	51.8	7	2.8	7	54.7	.	.	.	.	4	2.	4	44.4	3	1.4	3	52.7
Reading Spanish	3	15	5.1	15	60.8	9	3.7	9	54.0	7	2.4	7	56.6	.	.	.	.	.	.	.	.
	4	17	7.8	16	45.4	12	4.8	12	49.7	7	2.6	7	63.4	.	.	.	.	.	.	.	.
Writing Spanish	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	10	3.7	12	69.5
	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	8	3.6	7	43.3

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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	.	.	.	.	.	.	.	.	.	.	.	.	32	9.4	33	61.2
	4	.	.	.	.	.	.	.	.	.	.	.	.	57	16.1	61	63.7
	5	.	.	.	.	.	.	.	.	.	.	.	.	53	16.2	56	58.7
	6	.	.	.	.	.	.	.	.	.	.	.	.	57	16.4	60	62.5
	7	.	.	.	.	.	.	.	.	.	.	.	.	59	15.7	62	65.1
	8	.	.	.	.	.	.	.	.	.	.	.	.	56	15.4	58	61.4
	9	.	.	.	.	.	.	.	.	.	.	.	.	56	15.3	57	60.6
	10	.	.	.	.	.	.	.	.	.	.	.	.	56	16.4	59	60.0
Writing	3	.	.	.	.	14	3.4	15	79.7	8	2.4	9	73.4	42	9.0	44	75.4
	4	8	1.9	8	72.5	15	3.3	16	79.2	8	2.8	8	65.2	48	10.6	50	70.0
	5	8	1.9	9	74.4	14	3.8	15	73.0	12	3.6	13	73.4	49	11.1	51	71.5
	6	9	1.9	9	82.1	16	5.2	17	65.8	8	2.2	8	69.1	47	11.0	49	68.6
	7	8	2.0	7	68.6	19	4.7	20	78.5	6	2.1	6	61.1	48	10.9	51	70.3
	8	8	1.7	9	74.6	16	4.4	17	73.5	9	2.5	9	70.9	49	10.6	50	70.5
	9	8	1.7	9	76.0	16	5.1	17	71.8	7	2.1	7	70.1	47	11.5	49	68.4
	10	8	2.1	9	74.6	21	5.0	22	79.8	4	1.8	4	56.3	49	11.1	51	70.6
Mathematics	3	.	.	.	.	.	.	.	.	.	.	.	.	32	10.5	34	65.3
	4	.	.	.	.	.	.	.	.	.	.	.	.	65	18.8	69	68.7
	5	.	.	.	.	.	.	.	.	.	.	.	.	61	19.3	63	63.6
	6	.	.	.	.	.	.	.	.	.	.	.	.	49	17.8	49	56.8
	7	.	.	.	.	.	.	.	.	.	.	.	.	42	17.7	39	47.8
	8	.	.	.	.	.	.	.	.	.	.	.	.	40	17.6	38	46.7
	9	.	.	.	.	.	.	.	.	.	.	.	.	35	17.5	32	40.6
	10	.	.	.	.	.	.	.	.	.	.	.	.	38	17.7	35	43.4
Science	5	.	.	.	.	.	.	.	.	.	.	.	.	52	15.5	53	58.8
	8	6	2.4	6	50.6	.	.	.	.	.	.	.	.	52	17.9	53	52.7
	10	7	2.4	7	54.9	.	.	.	.	.	.	.	.	48	15.5	49	49.0
Reading Spanish	3	.	.	.	.	.	.	.	.	.	.	.	.	30	9.9	31	57.7
	4	.	.	.	.	.	.	.	.	.	.	.	.	45	17.8	44	48.9
Writing Spanish	3	.	.	.	.	15	3.6	15	73.5	7	2.4	7	67.7	39	9.7	41	70.1
	4	5	2.3	5	45.2	11	3.9	10	55.8	6	2.7	6	42.5	34	10.9	32	49.1

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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	376	0.60	376	0.60	**313**	2	0.00	456	0.72	**362**	12	0.02	721	1.14
169	1	0.00	377	0.60	**314**	2	0.00	458	0.73	**363**	10	0.02	731	1.16
190	1	0.00	378	0.60	**316**	2	0.00	460	0.73	**364**	11	0.02	742	1.18
196	1	0.00	379	0.60	**317**	3	0.00	463	0.73	**365**	10	0.02	752	1.19
200	1	0.00	380	0.60	**318**	3	0.00	466	0.74	**366**	7	0.01	759	1.20
204	1	0.00	381	0.60	**319**	2	0.00	468	0.74	**367**	9	0.01	768	1.22
207	1	0.00	382	0.61	**321**	4	0.01	472	0.75	**368**	7	0.01	775	1.23
209	1	0.00	383	0.61	**322**	4	0.01	476	0.75	**369**	15	0.02	790	1.25
226	1	0.00	384	0.61	**323**	4	0.01	480	0.76	**370**	8	0.01	798	1.26
240	1	0.00	385	0.61	**324**	4	0.01	484	0.77	**371**	9	0.01	807	1.28
249	1	0.00	386	0.61	**325**	5	0.01	489	0.77	**372**	17	0.03	824	1.31
255	2	0.00	388	0.61	**326**	4	0.01	493	0.78	**373**	11	0.02	835	1.32
256	1	0.00	389	0.62	**327**	6	0.01	499	0.79	**374**	14	0.02	849	1.35
257	1	0.00	390	0.62	**328**	2	0.00	501	0.79	**375**	10	0.02	859	1.36
263	1	0.00	391	0.62	**329**	2	0.00	503	0.80	**376**	11	0.02	870	1.38
265	1	0.00	392	0.62	**330**	3	0.00	506	0.80	**377**	12	0.02	882	1.40
268	1	0.00	393	0.62	**331**	4	0.01	510	0.81	**378**	22	0.03	904	1.43
271	1	0.00	394	0.62	**332**	8	0.01	518	0.82	**379**	16	0.03	920	1.46
274	1	0.00	395	0.63	**333**	6	0.01	524	0.83	**380**	18	0.03	938	1.49
276	1	0.00	396	0.63	**334**	3	0.00	527	0.84	**381**	21	0.03	959	1.52
277	5	0.01	401	0.64	**335**	5	0.01	532	0.84	**382**	27	0.04	986	1.56
278	2	0.00	403	0.64	**336**	3	0.00	535	0.85	**383**	23	0.04	1009	1.60
279	3	0.00	406	0.64	**337**	4	0.01	539	0.85	**384**	22	0.03	1031	1.63
280	2	0.00	408	0.65	**338**	8	0.01	547	0.87	**385**	24	0.04	1055	1.67
281	1	0.00	409	0.65	**339**	6	0.01	553	0.88	**386**	20	0.03	1075	1.70
283	1	0.00	410	0.65	**340**	7	0.01	560	0.89	**387**	15	0.02	1090	1.73
285	1	0.00	411	0.65	**341**	5	0.01	565	0.90	**388**	27	0.04	1117	1.77
287	1	0.00	412	0.65	**342**	4	0.01	569	0.90	**389**	24	0.04	1141	1.81
288	5	0.01	417	0.66	**343**	5	0.01	574	0.91	**390**	18	0.03	1159	1.84
289	1	0.00	418	0.66	**344**	7	0.01	581	0.92	**391**	25	0.04	1184	1.88
291	2	0.00	420	0.67	**345**	7	0.01	588	0.93	**392**	24	0.04	1208	1.91
292	3	0.00	423	0.67	**346**	6	0.01	594	0.94	**393**	24	0.04	1232	1.95
293	3	0.00	426	0.68	**347**	8	0.01	602	0.95	**394**	21	0.03	1253	1.99
294	3	0.00	429	0.68	**348**	5	0.01	607	0.96	**395**	23	0.04	1276	2.02
296	2	0.00	431	0.68	**349**	3	0.00	610	0.97	**396**	26	0.04	1302	2.06
297	3	0.00	434	0.69	**350**	7	0.01	617	0.98	**397**	25	0.04	1327	2.10
298	1	0.00	435	0.69	**351**	6	0.01	623	0.99	**398**	23	0.04	1350	2.14
299	1	0.00	436	0.69	**352**	8	0.01	631	1.00	**399**	24	0.04	1374	2.18
300	2	0.00	438	0.69	**353**	8	0.01	639	1.01	**400**	28	0.04	1402	2.22
301	1	0.00	439	0.70	**354**	6	0.01	645	1.02	**401**	17	0.03	1419	2.25
302	1	0.00	440	0.70	**355**	6	0.01	651	1.03	**402**	33	0.05	1452	2.30
305	2	0.00	442	0.70	**356**	7	0.01	658	1.04	**403**	34	0.05	1486	2.35
306	3	0.00	445	0.71	**357**	9	0.01	667	1.06	**404**	27	0.04	1513	2.40
307	2	0.00	447	0.71	**358**	8	0.01	675	1.07	**405**	22	0.03	1535	2.43
308	2	0.00	449	0.71	**359**	15	0.02	690	1.09	**406**	31	0.05	1566	2.48
311	2	0.00	451	0.71	**360**	11	0.02	701	1.11	**407**	48	0.08	1614	2.56
312	3	0.00	454	0.72	**361**	8	0.01	709	1.12	**408**	30	0.05	1644	2.61

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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 %
409	32	0.05	1676	2.66	**456**	77	0.12	4263	6.75	**503**	194	0.31	10819	17.14
410	41	0.06	1717	2.72	**457**	82	0.13	4345	6.88	**504**	194	0.31	11013	17.45
411	35	0.06	1752	2.78	**458**	83	0.13	4428	7.02	**505**	224	0.35	11237	17.81
412	40	0.06	1792	2.84	**459**	86	0.14	4514	7.15	**506**	243	0.39	11480	18.19
413	39	0.06	1831	2.90	**460**	78	0.12	4592	7.28	**507**	225	0.36	11705	18.55
414	29	0.05	1860	2.95	**461**	95	0.15	4687	7.43	**508**	226	0.36	11931	18.91
415	41	0.06	1901	3.01	**462**	74	0.12	4761	7.54	**509**	238	0.38	12169	19.28
416	35	0.06	1936	3.07	**463**	85	0.13	4846	7.68	**510**	237	0.38	12406	19.66
417	39	0.06	1975	3.13	**464**	93	0.15	4939	7.83	**511**	236	0.37	12642	20.03
418	38	0.06	2013	3.19	**465**	108	0.17	5047	8.00	**512**	245	0.39	12887	20.42
419	50	0.08	2063	3.27	**466**	91	0.14	5138	8.14	**513**	241	0.38	13128	20.80
420	44	0.07	2107	3.34	**467**	101	0.16	5239	8.30	**514**	246	0.39	13374	21.19
421	45	0.07	2152	3.41	**468**	113	0.18	5352	8.48	**515**	230	0.36	13604	21.56
422	33	0.05	2185	3.46	**469**	115	0.18	5467	8.66	**516**	220	0.35	13824	21.90
423	52	0.08	2237	3.54	**470**	105	0.17	5572	8.83	**517**	254	0.40	14078	22.31
424	49	0.08	2286	3.62	**471**	95	0.15	5667	8.98	**518**	264	0.42	14342	22.73
425	45	0.07	2331	3.69	**472**	108	0.17	5775	9.15	**519**	282	0.45	14624	23.17
426	51	0.08	2382	3.77	**473**	118	0.19	5893	9.34	**520**	278	0.44	14902	23.61
427	48	0.08	2430	3.85	**474**	136	0.22	6029	9.55	**521**	257	0.41	15159	24.02
428	43	0.07	2473	3.92	**475**	116	0.18	6145	9.74	**522**	261	0.41	15420	24.43
429	47	0.07	2520	3.99	**476**	118	0.19	6263	9.92	**523**	280	0.44	15700	24.88
430	64	0.10	2584	4.09	**477**	137	0.22	6400	10.14	**524**	257	0.41	15957	25.28
431	43	0.07	2627	4.16	**478**	119	0.19	6519	10.33	**525**	309	0.49	16266	25.77
432	58	0.09	2685	4.25	**479**	146	0.23	6665	10.56	**526**	269	0.43	16535	26.20
433	52	0.08	2737	4.34	**480**	123	0.19	6788	10.76	**527**	297	0.47	16832	26.67
434	64	0.10	2801	4.44	**481**	157	0.25	6945	11.00	**528**	280	0.44	17112	27.11
435	51	0.08	2852	4.52	**482**	141	0.22	7086	11.23	**529**	299	0.47	17411	27.59
436	48	0.08	2900	4.60	**483**	150	0.24	7236	11.47	**530**	315	0.50	17726	28.09
437	65	0.10	2965	4.70	**484**	159	0.25	7395	11.72	**531**	303	0.48	18029	28.57
438	60	0.10	3025	4.79	**485**	163	0.26	7558	11.98	**532**	299	0.47	18328	29.04
439	59	0.09	3084	4.89	**486**	145	0.23	7703	12.21	**533**	315	0.50	18643	29.54
440	56	0.09	3140	4.98	**487**	186	0.29	7889	12.50	**534**	313	0.50	18956	30.04
441	54	0.09	3194	5.06	**488**	157	0.25	8046	12.75	**535**	302	0.48	19258	30.52
442	79	0.13	3273	5.19	**489**	166	0.26	8212	13.01	**536**	312	0.49	19570	31.01
443	56	0.09	3329	5.28	**490**	171	0.27	8383	13.28	**537**	311	0.49	19881	31.50
444	71	0.11	3400	5.39	**491**	180	0.29	8563	13.57	**538**	301	0.48	20182	31.98
445	61	0.10	3461	5.48	**492**	172	0.27	8735	13.84	**539**	362	0.57	20544	32.55
446	57	0.09	3518	5.57	**493**	167	0.26	8902	14.11	**540**	352	0.56	20896	33.11
447	70	0.11	3588	5.69	**494**	187	0.30	9089	14.40	**541**	327	0.52	21223	33.63
448	81	0.13	3669	5.81	**495**	190	0.30	9279	14.70	**542**	345	0.55	21568	34.18
449	67	0.11	3736	5.92	**496**	177	0.28	9456	14.98	**543**	346	0.55	21914	34.72
450	63	0.10	3799	6.02	**497**	220	0.35	9676	15.33	**544**	297	0.47	22211	35.19
451	67	0.11	3866	6.13	**498**	186	0.29	9862	15.63	**545**	332	0.53	22543	35.72
452	68	0.11	3934	6.23	**499**	200	0.32	10062	15.94	**546**	342	0.54	22885	36.26
453	86	0.14	4020	6.37	**500**	197	0.31	10259	16.26	**547**	337	0.53	23222	36.80
454	88	0.14	4108	6.51	**501**	179	0.28	10438	16.54	**548**	346	0.55	23568	37.34
455	78	0.12	4186	6.63	**502**	187	0.30	10625	16.84	**549**	356	0.56	23924	37.91

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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 %
550	352	0.56	24276	38.47	**597**	374	0.59	42649	67.58	**644**	183	0.29	56607	89.70
551	382	0.61	24658	39.07	**598**	366	0.58	43015	68.16	**645**	200	0.32	56807	90.01
552	370	0.59	25028	39.66	**599**	384	0.61	43399	68.77	**646**	178	0.28	56985	90.30
553	362	0.57	25390	40.23	**600**	401	0.64	43800	69.40	**647**	194	0.31	57179	90.60
554	397	0.63	25787	40.86	**601**	359	0.57	44159	69.97	**648**	166	0.26	57345	90.87
555	357	0.57	26144	41.43	**602**	386	0.61	44545	70.58	**649**	199	0.32	57544	91.18
556	365	0.58	26509	42.01	**603**	342	0.54	44887	71.13	**650**	169	0.27	57713	91.45
557	378	0.60	26887	42.60	**604**	355	0.56	45242	71.69	**651**	179	0.28	57892	91.73
558	390	0.62	27277	43.22	**605**	327	0.52	45569	72.21	**652**	171	0.27	58063	92.00
559	357	0.57	27634	43.79	**606**	366	0.58	45935	72.79	**653**	159	0.25	58222	92.26
560	374	0.59	28008	44.38	**607**	342	0.54	46277	73.33	**654**	171	0.27	58393	92.53
561	408	0.65	28416	45.03	**608**	350	0.55	46627	73.88	**655**	151	0.24	58544	92.77
562	375	0.59	28791	45.62	**609**	344	0.55	46971	74.43	**656**	146	0.23	58690	93.00
563	358	0.57	29149	46.19	**610**	354	0.56	47325	74.99	**657**	147	0.23	58837	93.23
564	377	0.60	29526	46.79	**611**	332	0.53	47657	75.52	**658**	139	0.22	58976	93.45
565	423	0.67	29949	47.46	**612**	321	0.51	47978	76.02	**659**	142	0.23	59118	93.68
566	437	0.69	30386	48.15	**613**	316	0.50	48294	76.52	**660**	142	0.23	59260	93.90
567	411	0.65	30797	48.80	**614**	353	0.56	48647	77.08	**661**	137	0.22	59397	94.12
568	395	0.63	31192	49.43	**615**	324	0.51	48971	77.60	**662**	110	0.17	59507	94.29
569	387	0.61	31579	50.04	**616**	307	0.49	49278	78.08	**663**	121	0.19	59628	94.48
570	415	0.66	31994	50.70	**617**	311	0.49	49589	78.58	**664**	110	0.17	59738	94.66
571	409	0.65	32403	51.34	**618**	306	0.48	49895	79.06	**665**	118	0.19	59856	94.85
572	402	0.64	32805	51.98	**619**	312	0.49	50207	79.56	**666**	117	0.19	59973	95.03
573	389	0.62	33194	52.60	**620**	278	0.44	50485	80.00	**667**	106	0.17	60079	95.20
574	393	0.62	33587	53.22	**621**	323	0.51	50808	80.51	**668**	97	0.15	60176	95.35
575	402	0.64	33989	53.86	**622**	298	0.47	51106	80.98	**669**	92	0.15	60268	95.50
576	351	0.56	34340	54.41	**623**	307	0.49	51413	81.47	**670**	104	0.16	60372	95.66
577	407	0.64	34747	55.06	**624**	296	0.47	51709	81.94	**671**	110	0.17	60482	95.84
578	386	0.61	35133	55.67	**625**	292	0.46	52001	82.40	**672**	86	0.14	60568	95.97
579	395	0.63	35528	56.30	**626**	286	0.45	52287	82.85	**673**	73	0.12	60641	96.09
580	427	0.68	35955	56.97	**627**	310	0.49	52597	83.34	**674**	98	0.16	60739	96.24
581	371	0.59	36326	57.56	**628**	272	0.43	52869	83.77	**675**	83	0.13	60822	96.38
582	426	0.68	36752	58.24	**629**	309	0.49	53178	84.26	**676**	80	0.13	60902	96.50
583	376	0.60	37128	58.83	**630**	288	0.46	53466	84.72	**677**	55	0.09	60957	96.59
584	416	0.66	37544	59.49	**631**	260	0.41	53726	85.13	**678**	73	0.12	61030	96.71
585	382	0.61	37926	60.10	**632**	243	0.39	53969	85.52	**679**	63	0.10	61093	96.81
586	401	0.64	38327	60.73	**633**	268	0.42	54237	85.94	**680**	62	0.10	61155	96.90
587	403	0.64	38730	61.37	**634**	226	0.36	54463	86.30	**681**	73	0.12	61228	97.02
588	387	0.61	39117	61.98	**635**	216	0.34	54679	86.64	**682**	59	0.09	61287	97.11
589	415	0.66	39532	62.64	**636**	221	0.35	54900	86.99	**683**	58	0.09	61345	97.20
590	350	0.55	39882	63.20	**637**	219	0.35	55119	87.34	**684**	64	0.10	61409	97.31
591	424	0.67	40306	63.87	**638**	218	0.35	55337	87.68	**685**	52	0.08	61461	97.39
592	416	0.66	40722	64.53	**639**	206	0.33	55543	88.01	**686**	77	0.12	61538	97.51
593	387	0.61	41109	65.14	**640**	231	0.37	55774	88.38	**687**	67	0.11	61605	97.62
594	385	0.61	41494	65.75	**641**	220	0.35	55994	88.73	**688**	53	0.08	61658	97.70
595	390	0.62	41884	66.37	**642**	230	0.36	56224	89.09	**689**	49	0.08	61707	97.78
596	391	0.62	42275	66.99	**643**	200	0.32	56424	89.41	**690**	46	0.07	61753	97.85

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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 %
691	51	0.08	61804	97.93	**738**	5	0.01	62853	99.59
692	45	0.07	61849	98.00	**739**	6	0.01	62859	99.60
693	32	0.05	61881	98.05	**740**	4	0.01	62863	99.61
694	52	0.08	61933	98.14	**741**	7	0.01	62870	99.62
695	36	0.06	61969	98.19	**742**	7	0.01	62877	99.63
696	32	0.05	62001	98.24	**743**	12	0.02	62889	99.65
697	41	0.06	62042	98.31	**744**	7	0.01	62896	99.66
698	49	0.08	62091	98.39	**745**	5	0.01	62901	99.67
699	48	0.08	62139	98.46	**746**	5	0.01	62906	99.68
700	41	0.06	62180	98.53	**747**	10	0.02	62916	99.69
701	27	0.04	62207	98.57	**748**	7	0.01	62923	99.71
702	28	0.04	62235	98.62	**749**	5	0.01	62928	99.71
703	38	0.06	62273	98.68	**750**	6	0.01	62934	99.72
704	20	0.03	62293	98.71	**751**	6	0.01	62940	99.73
705	25	0.04	62318	98.75	**752**	11	0.02	62951	99.75
706	21	0.03	62339	98.78	**753**	7	0.01	62958	99.76
707	26	0.04	62365	98.82	**754**	8	0.01	62966	99.77
708	35	0.06	62400	98.88	**755**	3	0.00	62969	99.78
709	28	0.04	62428	98.92	**756**	5	0.01	62974	99.79
710	25	0.04	62453	98.96	**757**	1	0.00	62975	99.79
711	28	0.04	62481	99.00	**758**	3	0.00	62978	99.79
712	30	0.05	62511	99.05	**759**	1	0.00	62979	99.79
713	22	0.03	62533	99.09	**760**	2	0.00	62981	99.80
714	27	0.04	62560	99.13	**761**	1	0.00	62982	99.80
715	19	0.03	62579	99.16	**762**	2	0.00	62984	99.80
716	20	0.03	62599	99.19	**763**	4	0.01	62988	99.81
717	20	0.03	62619	99.22	**766**	3	0.00	62991	99.81
718	17	0.03	62636	99.25	**767**	1	0.00	62992	99.81
719	13	0.02	62649	99.27	**768**	3	0.00	62995	99.82
720	14	0.02	62663	99.29	**769**	2	0.00	62997	99.82
721	11	0.02	62674	99.31	**771**	12	0.02	63009	99.84
722	13	0.02	62687	99.33	**772**	6	0.01	63015	99.85
723	19	0.03	62706	99.36	**774**	6	0.01	63021	99.86
724	12	0.02	62718	99.38	**775**	2	0.00	63023	99.86
725	6	0.01	62724	99.39	**776**	2	0.00	63025	99.87
726	15	0.02	62739	99.41	**777**	1	0.00	63026	99.87
727	13	0.02	62752	99.43	**778**	4	0.01	63030	99.87
728	16	0.03	62768	99.46	**779**	9	0.01	63039	99.89
729	4	0.01	62772	99.47	**780**	3	0.00	63042	99.89
730	15	0.02	62787	99.49	**782**	2	0.00	63044	99.90
731	9	0.01	62796	99.50	**783**	1	0.00	63045	99.90
732	11	0.02	62807	99.52	**784**	3	0.00	63048	99.90
733	11	0.02	62818	99.54	**785**	2	0.00	63050	99.91
734	12	0.02	62830	99.56	**786**	1	0.00	63051	99.91
735	6	0.01	62836	99.57	**787**	1	0.00	63052	99.91
736	6	0.01	62842	99.58	**789**	1	0.00	63053	99.91
737	6	0.01	62848	99.59	**795**	56	0.09	63109	100.00

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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	20	1.68	20	1.68	**466**	3	0.25	127	10.68	**513**	16	1.35	510	42.89
374	1	0.08	21	1.77	**467**	3	0.25	130	10.93	**514**	12	1.01	522	43.90
382	1	0.08	22	1.85	**468**	4	0.34	134	11.27	**515**	8	0.67	530	44.58
392	1	0.08	23	1.93	**469**	2	0.17	136	11.44	**516**	10	0.84	540	45.42
395	1	0.08	24	2.02	**470**	1	0.08	137	11.52	**517**	13	1.09	553	46.51
399	1	0.08	25	2.10	**471**	6	0.50	143	12.03	**518**	10	0.84	563	47.35
400	1	0.08	26	2.19	**472**	7	0.59	150	12.62	**519**	11	0.93	574	48.28
403	1	0.08	27	2.27	**473**	4	0.34	154	12.95	**520**	8	0.67	582	48.95
404	1	0.08	28	2.35	**474**	6	0.50	160	13.46	**521**	15	1.26	597	50.21
416	1	0.08	29	2.44	**475**	7	0.59	167	14.05	**522**	8	0.67	605	50.88
417	1	0.08	30	2.52	**476**	3	0.25	170	14.30	**523**	8	0.67	613	51.56
419	1	0.08	31	2.61	**477**	4	0.34	174	14.63	**524**	9	0.76	622	52.31
421	2	0.17	33	2.78	**478**	8	0.67	182	15.31	**525**	10	0.84	632	53.15
422	1	0.08	34	2.86	**479**	8	0.67	190	15.98	**526**	9	0.76	641	53.91
423	1	0.08	35	2.94	**480**	8	0.67	198	16.65	**527**	12	1.01	653	54.92
430	3	0.25	38	3.20	**481**	7	0.59	205	17.24	**528**	13	1.09	666	56.01
431	5	0.42	43	3.62	**482**	6	0.50	211	17.75	**529**	7	0.59	673	56.60
433	1	0.08	44	3.70	**483**	3	0.25	214	18.00	**530**	13	1.09	686	57.70
434	2	0.17	46	3.87	**484**	11	0.93	225	18.92	**531**	12	1.01	698	58.70
435	1	0.08	47	3.95	**485**	12	1.01	237	19.93	**532**	10	0.84	708	59.55
436	2	0.17	49	4.12	**486**	8	0.67	245	20.61	**533**	9	0.76	717	60.30
437	2	0.17	51	4.29	**487**	10	0.84	255	21.45	**534**	10	0.84	727	61.14
438	4	0.34	55	4.63	**488**	11	0.93	266	22.37	**535**	12	1.01	739	62.15
441	1	0.08	56	4.71	**489**	14	1.18	280	23.55	**536**	8	0.67	747	62.83
442	1	0.08	57	4.79	**490**	4	0.34	284	23.89	**537**	14	1.18	761	64.00
443	2	0.17	59	4.96	**491**	5	0.42	289	24.31	**538**	15	1.26	776	65.26
444	2	0.17	61	5.13	**492**	4	0.34	293	24.64	**539**	12	1.01	788	66.27
445	1	0.08	62	5.21	**493**	11	0.93	304	25.57	**540**	10	0.84	798	67.12
446	2	0.17	64	5.38	**494**	10	0.84	314	26.41	**541**	9	0.76	807	67.87
447	2	0.17	66	5.55	**495**	6	0.50	320	26.91	**542**	9	0.76	816	68.63
448	2	0.17	68	5.72	**496**	13	1.09	333	28.01	**543**	11	0.93	827	69.55
450	4	0.34	72	6.06	**497**	6	0.50	339	28.51	**544**	7	0.59	834	70.14
451	2	0.17	74	6.22	**498**	7	0.59	346	29.10	**545**	8	0.67	842	70.82
452	2	0.17	76	6.39	**499**	9	0.76	355	29.86	**546**	8	0.67	850	71.49
453	3	0.25	79	6.64	**500**	8	0.67	363	30.53	**547**	6	0.50	856	71.99
454	2	0.17	81	6.81	**501**	9	0.76	372	31.29	**548**	12	1.01	868	73.00
455	2	0.17	83	6.98	**502**	9	0.76	381	32.04	**549**	12	1.01	880	74.01
456	1	0.08	84	7.06	**503**	9	0.76	390	32.80	**550**	12	1.01	892	75.02
457	5	0.42	89	7.49	**504**	12	1.01	402	33.81	**551**	8	0.67	900	75.69
458	5	0.42	94	7.91	**505**	8	0.67	410	34.48	**552**	5	0.42	905	76.11
459	4	0.34	98	8.24	**506**	15	1.26	425	35.74	**553**	10	0.84	915	76.96
460	4	0.34	102	8.58	**507**	17	1.43	442	37.17	**554**	11	0.93	926	77.88
461	4	0.34	106	8.92	**508**	7	0.59	449	37.76	**555**	12	1.01	938	78.89
462	4	0.34	110	9.25	**509**	16	1.35	465	39.11	**556**	12	1.01	950	79.90
463	2	0.17	112	9.42	**510**	8	0.67	473	39.78	**557**	12	1.01	962	80.91
464	5	0.42	117	9.84	**511**	12	1.01	485	40.79	**558**	10	0.84	972	81.75
465	7	0.59	124	10.43	**512**	9	0.76	494	41.55	**559**	5	0.42	977	82.17

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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 %
560	14	1.18	991	83.35	**610**	4	0.34	1175	98.82
561	13	1.09	1004	84.44	**612**	2	0.17	1177	98.99
562	5	0.42	1009	84.86	**614**	1	0.08	1178	99.07
563	9	0.76	1018	85.62	**619**	1	0.08	1179	99.16
564	6	0.50	1024	86.12	**620**	1	0.08	1180	99.24
565	4	0.34	1028	86.46	**623**	2	0.17	1182	99.41
566	7	0.59	1035	87.05	**626**	1	0.08	1183	99.50
567	6	0.50	1041	87.55	**628**	1	0.08	1184	99.58
568	5	0.42	1046	87.97	**630**	1	0.08	1185	99.66
569	8	0.67	1054	88.65	**631**	1	0.08	1186	99.75
570	7	0.59	1061	89.23	**642**	2	0.17	1188	99.92
571	7	0.59	1068	89.82	**652**	1	0.08	1189	100.00
572	3	0.25	1071	90.08					
573	2	0.17	1073	90.24					
574	5	0.42	1078	90.66					
575	6	0.50	1084	91.17					
576	4	0.34	1088	91.51					
577	4	0.34	1092	91.84					
578	2	0.17	1094	92.01					
579	3	0.25	1097	92.26					
580	4	0.34	1101	92.60					
581	3	0.25	1104	92.85					
582	6	0.50	1110	93.36					
583	7	0.59	1117	93.94					
584	1	0.08	1118	94.03					
585	2	0.17	1120	94.20					
586	2	0.17	1122	94.37					
587	3	0.25	1125	94.62					
588	4	0.34	1129	94.95					
589	1	0.08	1130	95.04					
590	4	0.34	1134	95.37					
591	6	0.50	1140	95.88					
593	1	0.08	1141	95.96					
594	1	0.08	1142	96.05					
595	3	0.25	1145	96.30					
596	2	0.17	1147	96.47					
597	2	0.17	1149	96.64					
598	2	0.17	1151	96.80					
599	3	0.25	1154	97.06					
600	3	0.25	1157	97.31					
601	2	0.17	1159	97.48					
602	1	0.08	1160	97.56					
603	1	0.08	1161	97.65					
605	2	0.17	1163	97.81					
606	3	0.25	1166	98.07					
607	2	0.17	1168	98.23					
608	3	0.25	1171	98.49					

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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	55	0.09	55	0.09	**259**	2	0.00	169	0.27	**309**	4	0.01	306	0.48
200	1	0.00	56	0.09	**260**	4	0.01	173	0.27	**310**	4	0.01	310	0.49
202	2	0.00	58	0.09	**261**	4	0.01	177	0.28	**311**	8	0.01	318	0.50
203	4	0.01	62	0.10	**262**	1	0.00	178	0.28	**312**	4	0.01	322	0.51
204	1	0.00	63	0.10	**263**	3	0.00	181	0.29	**313**	3	0.00	325	0.51
205	2	0.00	65	0.10	**264**	2	0.00	183	0.29	**314**	3	0.00	328	0.52
207	5	0.01	70	0.11	**265**	2	0.00	185	0.29	**315**	11	0.02	339	0.54
208	2	0.00	72	0.11	**266**	2	0.00	187	0.30	**316**	3	0.00	342	0.54
209	1	0.00	73	0.12	**267**	1	0.00	188	0.30	**317**	13	0.02	355	0.56
210	4	0.01	77	0.12	**268**	4	0.01	192	0.30	**318**	6	0.01	361	0.57
211	3	0.00	80	0.13	**269**	2	0.00	194	0.31	**319**	7	0.01	368	0.58
212	3	0.00	83	0.13	**271**	2	0.00	196	0.31	**320**	8	0.01	376	0.60
213	2	0.00	85	0.13	**272**	3	0.00	199	0.32	**321**	9	0.01	385	0.61
214	2	0.00	87	0.14	**273**	5	0.01	204	0.32	**322**	10	0.02	395	0.63
215	2	0.00	89	0.14	**274**	5	0.01	209	0.33	**323**	6	0.01	401	0.64
216	3	0.00	92	0.15	**275**	3	0.00	212	0.34	**324**	10	0.02	411	0.65
217	2	0.00	94	0.15	**276**	1	0.00	213	0.34	**325**	9	0.01	420	0.67
218	2	0.00	96	0.15	**277**	4	0.01	217	0.34	**326**	10	0.02	430	0.68
219	4	0.01	100	0.16	**278**	5	0.01	222	0.35	**327**	6	0.01	436	0.69
222	1	0.00	101	0.16	**279**	1	0.00	223	0.35	**328**	8	0.01	444	0.70
224	2	0.00	103	0.16	**281**	1	0.00	224	0.35	**329**	5	0.01	449	0.71
225	1	0.00	104	0.16	**282**	1	0.00	225	0.36	**330**	15	0.02	464	0.74
227	3	0.00	107	0.17	**283**	1	0.00	226	0.36	**331**	10	0.02	474	0.75
228	5	0.01	112	0.18	**284**	2	0.00	228	0.36	**332**	14	0.02	488	0.77
230	3	0.00	115	0.18	**286**	2	0.00	230	0.36	**333**	14	0.02	502	0.80
231	2	0.00	117	0.19	**287**	1	0.00	231	0.37	**334**	8	0.01	510	0.81
232	1	0.00	118	0.19	**288**	4	0.01	235	0.37	**335**	9	0.01	519	0.82
233	1	0.00	119	0.19	**289**	2	0.00	237	0.38	**336**	14	0.02	533	0.84
234	3	0.00	122	0.19	**290**	3	0.00	240	0.38	**337**	14	0.02	547	0.87
235	3	0.00	125	0.20	**291**	3	0.00	243	0.39	**338**	15	0.02	562	0.89
236	3	0.00	128	0.20	**292**	2	0.00	245	0.39	**339**	12	0.02	574	0.91
237	1	0.00	129	0.20	**293**	3	0.00	248	0.39	**340**	13	0.02	587	0.93
238	2	0.00	131	0.21	**294**	2	0.00	250	0.40	**341**	13	0.02	600	0.95
240	3	0.00	134	0.21	**295**	3	0.00	253	0.40	**342**	17	0.03	617	0.98
241	4	0.01	138	0.22	**296**	2	0.00	255	0.40	**343**	12	0.02	629	1.00
243	1	0.00	139	0.22	**297**	4	0.01	259	0.41	**344**	22	0.03	651	1.03
244	3	0.00	142	0.23	**298**	6	0.01	265	0.42	**345**	21	0.03	672	1.06
245	2	0.00	144	0.23	**299**	2	0.00	267	0.42	**346**	16	0.03	688	1.09
247	1	0.00	145	0.23	**300**	2	0.00	269	0.43	**347**	18	0.03	706	1.12
248	3	0.00	148	0.23	**301**	5	0.01	274	0.43	**348**	19	0.03	725	1.15
250	2	0.00	150	0.24	**302**	5	0.01	279	0.44	**349**	25	0.04	750	1.19
251	3	0.00	153	0.24	**303**	3	0.00	282	0.45	**350**	18	0.03	768	1.22
252	3	0.00	156	0.25	**304**	4	0.01	286	0.45	**351**	20	0.03	788	1.25
255	1	0.00	157	0.25	**305**	5	0.01	291	0.46	**352**	19	0.03	807	1.28
256	4	0.01	161	0.26	**306**	3	0.00	294	0.47	**353**	33	0.05	840	1.33
257	4	0.01	165	0.26	**307**	6	0.01	300	0.48	**354**	27	0.04	867	1.37
258	2	0.00	167	0.26	**308**	2	0.00	302	0.48	**355**	44	0.07	911	1.44

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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 %
356	38	0.06	949	1.50	**403**	186	0.29	5385	8.53	**450**	533	0.84	21975	34.82
357	27	0.04	976	1.55	**404**	183	0.29	5568	8.82	**451**	559	0.89	22534	35.71
358	30	0.05	1006	1.59	**405**	190	0.30	5758	9.12	**452**	509	0.81	23043	36.51
359	45	0.07	1051	1.67	**406**	206	0.33	5964	9.45	**453**	525	0.83	23568	37.34
360	36	0.06	1087	1.72	**407**	221	0.35	6185	9.80	**454**	567	0.90	24135	38.24
361	44	0.07	1131	1.79	**408**	236	0.37	6421	10.17	**455**	580	0.92	24715	39.16
362	46	0.07	1177	1.87	**409**	209	0.33	6630	10.51	**456**	560	0.89	25275	40.05
363	45	0.07	1222	1.94	**410**	232	0.37	6862	10.87	**457**	564	0.89	25839	40.94
364	49	0.08	1271	2.01	**411**	242	0.38	7104	11.26	**458**	563	0.89	26402	41.84
365	53	0.08	1324	2.10	**412**	215	0.34	7319	11.60	**459**	553	0.88	26955	42.71
366	53	0.08	1377	2.18	**413**	254	0.40	7573	12.00	**460**	610	0.97	27565	43.68
367	36	0.06	1413	2.24	**414**	236	0.37	7809	12.37	**461**	581	0.92	28146	44.60
368	71	0.11	1484	2.35	**415**	253	0.40	8062	12.77	**462**	569	0.90	28715	45.50
369	50	0.08	1534	2.43	**416**	262	0.42	8324	13.19	**463**	543	0.86	29258	46.36
370	63	0.10	1597	2.53	**417**	288	0.46	8612	13.65	**464**	590	0.93	29848	47.30
371	59	0.09	1656	2.62	**418**	267	0.42	8879	14.07	**465**	603	0.96	30451	48.25
372	70	0.11	1726	2.73	**419**	287	0.45	9166	14.52	**466**	659	1.04	31110	49.30
373	71	0.11	1797	2.85	**420**	273	0.43	9439	14.96	**467**	600	0.95	31710	50.25
374	72	0.11	1869	2.96	**421**	316	0.50	9755	15.46	**468**	584	0.93	32294	51.17
375	75	0.12	1944	3.08	**422**	317	0.50	10072	15.96	**469**	598	0.95	32892	52.12
376	70	0.11	2014	3.19	**423**	332	0.53	10404	16.49	**470**	617	0.98	33509	53.10
377	85	0.13	2099	3.33	**424**	346	0.55	10750	17.03	**471**	574	0.91	34083	54.01
378	90	0.14	2189	3.47	**425**	324	0.51	11074	17.55	**472**	550	0.87	34633	54.88
379	94	0.15	2283	3.62	**426**	352	0.56	11426	18.11	**473**	550	0.87	35183	55.75
380	102	0.16	2385	3.78	**427**	371	0.59	11797	18.69	**474**	586	0.93	35769	56.68
381	76	0.12	2461	3.90	**428**	358	0.57	12155	19.26	**475**	573	0.91	36342	57.59
382	85	0.13	2546	4.03	**429**	393	0.62	12548	19.88	**476**	584	0.93	36926	58.51
383	99	0.16	2645	4.19	**430**	347	0.55	12895	20.43	**477**	558	0.88	37484	59.40
384	110	0.17	2755	4.37	**431**	396	0.63	13291	21.06	**478**	589	0.93	38073	60.33
385	91	0.14	2846	4.51	**432**	355	0.56	13646	21.62	**479**	544	0.86	38617	61.19
386	111	0.18	2957	4.69	**433**	418	0.66	14064	22.29	**480**	567	0.90	39184	62.09
387	105	0.17	3062	4.85	**434**	410	0.65	14474	22.93	**481**	549	0.87	39733	62.96
388	111	0.18	3173	5.03	**435**	402	0.64	14876	23.57	**482**	548	0.87	40281	63.83
389	133	0.21	3306	5.24	**436**	428	0.68	15304	24.25	**483**	586	0.93	40867	64.76
390	116	0.18	3422	5.42	**437**	459	0.73	15763	24.98	**484**	570	0.90	41437	65.66
391	112	0.18	3534	5.60	**438**	435	0.69	16198	25.67	**485**	548	0.87	41985	66.53
392	125	0.20	3659	5.80	**439**	478	0.76	16676	26.42	**486**	517	0.82	42502	67.35
393	119	0.19	3778	5.99	**440**	457	0.72	17133	27.15	**487**	501	0.79	43003	68.14
394	160	0.25	3938	6.24	**441**	470	0.74	17603	27.89	**488**	501	0.79	43504	68.93
395	160	0.25	4098	6.49	**442**	458	0.73	18061	28.62	**489**	524	0.83	44028	69.77
396	138	0.22	4236	6.71	**443**	443	0.70	18504	29.32	**490**	517	0.82	44545	70.58
397	169	0.27	4405	6.98	**444**	487	0.77	18991	30.09	**491**	495	0.78	45040	71.37
398	138	0.22	4543	7.20	**445**	481	0.76	19472	30.85	**492**	450	0.71	45490	72.08
399	152	0.24	4695	7.44	**446**	484	0.77	19956	31.62	**493**	463	0.73	45953	72.82
400	151	0.24	4846	7.68	**447**	492	0.78	20448	32.40	**494**	471	0.75	46424	73.56
401	177	0.28	5023	7.96	**448**	492	0.78	20940	33.18	**495**	451	0.71	46875	74.28
402	176	0.28	5199	8.24	**449**	502	0.80	21442	33.98	**496**	479	0.76	47354	75.04

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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 %
497	430	0.68	47784	75.72	**544**	113	0.18	60259	95.48
498	418	0.66	48202	76.38	**545**	83	0.13	60342	95.62
499	436	0.69	48638	77.07	**546**	218	0.35	60560	95.96
500	424	0.67	49062	77.74	**547**	75	0.12	60635	96.08
501	381	0.60	49443	78.35	**548**	95	0.15	60730	96.23
502	424	0.67	49867	79.02	**549**	81	0.13	60811	96.36
503	374	0.59	50241	79.61	**550**	54	0.09	60865	96.44
504	375	0.59	50616	80.20	**551**	42	0.07	60907	96.51
505	380	0.60	50996	80.81	**552**	52	0.08	60959	96.59
506	396	0.63	51392	81.43	**553**	73	0.12	61032	96.71
507	390	0.62	51782	82.05	**554**	52	0.08	61084	96.79
508	358	0.57	52140	82.62	**555**	33	0.05	61117	96.84
509	384	0.61	52524	83.23	**556**	62	0.10	61179	96.94
510	288	0.46	52812	83.68	**557**	194	0.31	61373	97.25
511	371	0.59	53183	84.27	**558**	175	0.28	61548	97.53
512	303	0.48	53486	84.75	**559**	9	0.01	61557	97.54
513	302	0.48	53788	85.23	**560**	69	0.11	61626	97.65
514	326	0.52	54114	85.75	**561**	69	0.11	61695	97.76
515	334	0.53	54448	86.28	**562**	54	0.09	61749	97.84
516	295	0.47	54743	86.74	**563**	20	0.03	61769	97.88
517	299	0.47	55042	87.22	**564**	101	0.16	61870	98.04
518	282	0.45	55324	87.66	**565**	55	0.09	61925	98.12
519	275	0.44	55599	88.10	**566**	66	0.10	61991	98.23
520	276	0.44	55875	88.54	**567**	13	0.02	62004	98.25
521	255	0.40	56130	88.94	**569**	17	0.03	62021	98.28
522	269	0.43	56399	89.37	**570**	3	0.00	62024	98.28
523	249	0.39	56648	89.76	**571**	27	0.04	62051	98.32
524	251	0.40	56899	90.16	**572**	3	0.00	62054	98.33
525	222	0.35	57121	90.51	**573**	12	0.02	62066	98.35
526	198	0.31	57319	90.83	**575**	14	0.02	62080	98.37
527	257	0.41	57576	91.23	**576**	1	0.00	62081	98.37
528	145	0.23	57721	91.46	**577**	47	0.07	62128	98.45
529	197	0.31	57918	91.77	**578**	1	0.00	62129	98.45
530	174	0.28	58092	92.05	**579**	45	0.07	62174	98.52
531	169	0.27	58261	92.32	**583**	36	0.06	62210	98.58
532	244	0.39	58505	92.70	**584**	7	0.01	62217	98.59
533	213	0.34	58718	93.04	**585**	146	0.23	62363	98.82
534	140	0.22	58858	93.26	**586**	116	0.18	62479	99.00
535	180	0.29	59038	93.55	**587**	90	0.14	62569	99.14
536	136	0.22	59174	93.76	**588**	8	0.01	62577	99.16
537	153	0.24	59327	94.01	**591**	14	0.02	62591	99.18
538	97	0.15	59424	94.16	**592**	75	0.12	62666	99.30
539	92	0.15	59516	94.31	**594**	2	0.00	62668	99.30
540	108	0.17	59624	94.48	**595**	44	0.07	62712	99.37
541	237	0.38	59861	94.85	**602**	89	0.14	62801	99.51
542	94	0.15	59955	95.00	**607**	3	0.00	62804	99.52
543	191	0.30	60146	95.30	**680**	305	0.48	63109	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	4	0.33	4	0.33	**396**	2	0.17	66	5.50	**447**	4	0.33	205	17.10
256	1	0.08	5	0.42	**397**	3	0.25	69	5.75	**448**	1	0.08	206	17.18
262	1	0.08	6	0.50	**398**	2	0.17	71	5.92	**449**	3	0.25	209	17.43
294	1	0.08	7	0.58	**399**	1	0.08	72	6.01	**450**	2	0.17	211	17.60
298	1	0.08	8	0.67	**400**	3	0.25	75	6.26	**451**	4	0.33	215	17.93
299	1	0.08	9	0.75	**402**	1	0.08	76	6.34	**452**	6	0.50	221	18.43
307	2	0.17	11	0.92	**404**	1	0.08	77	6.42	**453**	8	0.67	229	19.10
311	1	0.08	12	1.00	**405**	2	0.17	79	6.59	**454**	4	0.33	233	19.43
320	1	0.08	13	1.08	**406**	2	0.17	81	6.76	**455**	10	0.83	243	20.27
322	1	0.08	14	1.17	**407**	3	0.25	84	7.01	**456**	3	0.25	246	20.52
326	2	0.17	16	1.33	**408**	1	0.08	85	7.09	**457**	5	0.42	251	20.93
329	1	0.08	17	1.42	**409**	1	0.08	86	7.17	**458**	7	0.58	258	21.52
335	1	0.08	18	1.50	**410**	2	0.17	88	7.34	**459**	5	0.42	263	21.93
337	1	0.08	19	1.58	**411**	1	0.08	89	7.42	**460**	2	0.17	265	22.10
341	1	0.08	20	1.67	**412**	2	0.17	91	7.59	**461**	4	0.33	269	22.44
344	1	0.08	21	1.75	**413**	2	0.17	93	7.76	**462**	3	0.25	272	22.69
347	1	0.08	22	1.83	**414**	2	0.17	95	7.92	**463**	10	0.83	282	23.52
348	1	0.08	23	1.92	**415**	2	0.17	97	8.09	**464**	1	0.08	283	23.60
351	1	0.08	24	2.00	**416**	2	0.17	99	8.26	**465**	4	0.33	287	23.94
352	1	0.08	25	2.09	**417**	5	0.42	104	8.67	**466**	7	0.58	294	24.52
355	1	0.08	26	2.17	**419**	5	0.42	109	9.09	**467**	7	0.58	301	25.10
356	1	0.08	27	2.25	**420**	2	0.17	111	9.26	**468**	8	0.67	309	25.77
357	2	0.17	29	2.42	**421**	4	0.33	115	9.59	**469**	6	0.50	315	26.27
358	1	0.08	30	2.50	**422**	2	0.17	117	9.76	**470**	3	0.25	318	26.52
361	1	0.08	31	2.59	**423**	2	0.17	119	9.92	**471**	3	0.25	321	26.77
363	1	0.08	32	2.67	**424**	5	0.42	124	10.34	**472**	2	0.17	323	26.94
366	2	0.17	34	2.84	**425**	7	0.58	131	10.93	**473**	5	0.42	328	27.36
370	1	0.08	35	2.92	**426**	1	0.08	132	11.01	**474**	8	0.67	336	28.02
371	1	0.08	36	3.00	**427**	2	0.17	134	11.18	**475**	11	0.92	347	28.94
372	1	0.08	37	3.09	**428**	4	0.33	138	11.51	**476**	4	0.33	351	29.27
374	2	0.17	39	3.25	**429**	2	0.17	140	11.68	**477**	6	0.50	357	29.77
375	2	0.17	41	3.42	**430**	2	0.17	142	11.84	**478**	2	0.17	359	29.94
377	1	0.08	42	3.50	**431**	1	0.08	143	11.93	**479**	6	0.50	365	30.44
378	1	0.08	43	3.59	**432**	3	0.25	146	12.18	**480**	5	0.42	370	30.86
381	3	0.25	46	3.84	**434**	5	0.42	151	12.59	**481**	3	0.25	373	31.11
382	1	0.08	47	3.92	**435**	3	0.25	154	12.84	**482**	7	0.58	380	31.69
383	1	0.08	48	4.00	**436**	3	0.25	157	13.09	**483**	11	0.92	391	32.61
384	2	0.17	50	4.17	**437**	3	0.25	160	13.34	**484**	7	0.58	398	33.19
387	1	0.08	51	4.25	**438**	2	0.17	162	13.51	**485**	4	0.33	402	33.53
388	3	0.25	54	4.50	**439**	5	0.42	167	13.93	**486**	8	0.67	410	34.20
389	1	0.08	55	4.59	**440**	4	0.33	171	14.26	**487**	7	0.58	417	34.78
390	1	0.08	56	4.67	**441**	6	0.50	177	14.76	**488**	11	0.92	428	35.70
391	1	0.08	57	4.75	**442**	3	0.25	180	15.01	**489**	7	0.58	435	36.28
392	1	0.08	58	4.84	**443**	6	0.50	186	15.51	**490**	10	0.83	445	37.11
393	1	0.08	59	4.92	**444**	4	0.33	190	15.85	**491**	9	0.75	454	37.86
394	1	0.08	60	5.00	**445**	4	0.33	194	16.18	**492**	4	0.33	458	38.20
395	4	0.33	64	5.34	**446**	7	0.58	201	16.76	**493**	11	0.92	469	39.12

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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	10	0.83	479	39.95	**541**	6	0.50	792	66.06	**588**	4	0.33	1038	86.57
495	14	1.17	493	41.12	**542**	4	0.33	796	66.39	**589**	4	0.33	1042	86.91
496	13	1.08	506	42.20	**543**	4	0.33	800	66.72	**590**	2	0.17	1044	87.07
497	1	0.08	507	42.29	**544**	7	0.58	807	67.31	**591**	3	0.25	1047	87.32
498	8	0.67	515	42.95	**545**	9	0.75	816	68.06	**592**	4	0.33	1051	87.66
499	9	0.75	524	43.70	**546**	6	0.50	822	68.56	**593**	7	0.58	1058	88.24
500	6	0.50	530	44.20	**547**	8	0.67	830	69.22	**594**	9	0.75	1067	88.99
501	7	0.58	537	44.79	**548**	6	0.50	836	69.72	**595**	5	0.42	1072	89.41
502	4	0.33	541	45.12	**549**	2	0.17	838	69.89	**596**	10	0.83	1082	90.24
503	12	1.00	553	46.12	**550**	6	0.50	844	70.39	**597**	6	0.50	1088	90.74
504	11	0.92	564	47.04	**551**	2	0.17	846	70.56	**598**	2	0.17	1090	90.91
505	6	0.50	570	47.54	**552**	6	0.50	852	71.06	**599**	2	0.17	1092	91.08
506	3	0.25	573	47.79	**553**	4	0.33	856	71.39	**600**	1	0.08	1093	91.16
507	5	0.42	578	48.21	**554**	8	0.67	864	72.06	**601**	2	0.17	1095	91.33
508	9	0.75	587	48.96	**555**	6	0.50	870	72.56	**602**	2	0.17	1097	91.49
509	2	0.17	589	49.12	**556**	5	0.42	875	72.98	**604**	1	0.08	1098	91.58
510	8	0.67	597	49.79	**557**	9	0.75	884	73.73	**605**	2	0.17	1100	91.74
511	7	0.58	604	50.38	**558**	9	0.75	893	74.48	**606**	3	0.25	1103	91.99
512	10	0.83	614	51.21	**559**	8	0.67	901	75.15	**607**	3	0.25	1106	92.24
513	5	0.42	619	51.63	**560**	7	0.58	908	75.73	**608**	3	0.25	1109	92.49
514	9	0.75	628	52.38	**561**	3	0.25	911	75.98	**609**	2	0.17	1111	92.66
515	7	0.58	635	52.96	**562**	6	0.50	917	76.48	**610**	2	0.17	1113	92.83
516	7	0.58	642	53.54	**563**	5	0.42	922	76.90	**611**	1	0.08	1114	92.91
517	5	0.42	647	53.96	**564**	4	0.33	926	77.23	**612**	2	0.17	1116	93.08
518	8	0.67	655	54.63	**565**	5	0.42	931	77.65	**613**	3	0.25	1119	93.33
519	2	0.17	657	54.80	**566**	6	0.50	937	78.15	**614**	3	0.25	1122	93.58
520	7	0.58	664	55.38	**567**	3	0.25	940	78.40	**615**	3	0.25	1125	93.83
521	7	0.58	671	55.96	**568**	4	0.33	944	78.73	**616**	2	0.17	1127	93.99
522	7	0.58	678	56.55	**569**	7	0.58	951	79.32	**617**	2	0.17	1129	94.16
523	7	0.58	685	57.13	**570**	6	0.50	957	79.82	**618**	2	0.17	1131	94.33
524	9	0.75	694	57.88	**571**	4	0.33	961	80.15	**619**	1	0.08	1132	94.41
525	5	0.42	699	58.30	**572**	7	0.58	968	80.73	**620**	1	0.08	1133	94.50
526	3	0.25	702	58.55	**573**	8	0.67	976	81.40	**622**	2	0.17	1135	94.66
527	5	0.42	707	58.97	**574**	6	0.50	982	81.90	**623**	3	0.25	1138	94.91
528	7	0.58	714	59.55	**575**	5	0.42	987	82.32	**625**	2	0.17	1140	95.08
529	7	0.58	721	60.13	**576**	6	0.50	993	82.82	**628**	1	0.08	1141	95.16
530	2	0.17	723	60.30	**577**	5	0.42	998	83.24	**629**	3	0.25	1144	95.41
531	6	0.50	729	60.80	**578**	4	0.33	1002	83.57	**630**	5	0.42	1149	95.83
532	6	0.50	735	61.30	**579**	3	0.25	1005	83.82	**632**	1	0.08	1150	95.91
533	9	0.75	744	62.05	**580**	6	0.50	1011	84.32	**634**	2	0.17	1152	96.08
534	11	0.92	755	62.97	**581**	4	0.33	1015	84.65	**636**	1	0.08	1153	96.16
535	3	0.25	758	63.22	**582**	3	0.25	1018	84.90	**637**	1	0.08	1154	96.25
536	5	0.42	763	63.64	**583**	1	0.08	1019	84.99	**638**	2	0.17	1156	96.41
537	7	0.58	770	64.22	**584**	4	0.33	1023	85.32	**639**	1	0.08	1157	96.50
538	4	0.33	774	64.55	**585**	6	0.50	1029	85.82	**640**	1	0.08	1158	96.58
539	8	0.67	782	65.22	**586**	1	0.08	1030	85.90	**642**	1	0.08	1159	96.66
540	4	0.33	786	65.55	**587**	4	0.33	1034	86.24	**644**	3	0.25	1162	96.91

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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 %
645	1	0.08	1163	97.00
646	2	0.17	1165	97.16
647	2	0.17	1167	97.33
649	2	0.17	1169	97.50
650	2	0.17	1171	97.66
651	1	0.08	1172	97.75
652	2	0.17	1174	97.91
653	2	0.17	1176	98.08
654	1	0.08	1177	98.17
662	1	0.08	1178	98.25
663	1	0.08	1179	98.33
664	1	0.08	1180	98.42
667	1	0.08	1181	98.50
673	2	0.17	1183	98.67
674	2	0.17	1185	98.83
675	1	0.08	1186	98.92
676	1	0.08	1187	99.00
680	1	0.08	1188	99.08
689	1	0.08	1189	99.17
701	2	0.17	1191	99.33
711	1	0.08	1192	99.42
712	1	0.08	1193	99.50
713	2	0.17	1195	99.67
714	1	0.08	1196	99.75
718	1	0.08	1197	99.83
750	2	0.17	1199	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	230	0.36	230	0.36	**198**	6	0.01	422	0.65	**245**	17	0.03	917	1.42
151	4	0.01	234	0.36	**199**	6	0.01	428	0.66	**246**	21	0.03	938	1.46
152	5	0.01	239	0.37	**200**	9	0.01	437	0.68	**247**	16	0.02	954	1.48
153	1	0.00	240	0.37	**201**	7	0.01	444	0.69	**248**	21	0.03	975	1.51
154	2	0.00	242	0.38	**202**	7	0.01	451	0.70	**249**	12	0.02	987	1.53
155	4	0.01	246	0.38	**203**	3	0.00	454	0.70	**250**	22	0.03	1009	1.57
156	3	0.00	249	0.39	**204**	5	0.01	459	0.71	**251**	19	0.03	1028	1.60
157	5	0.01	254	0.39	**205**	5	0.01	464	0.72	**252**	21	0.03	1049	1.63
158	1	0.00	255	0.40	**206**	8	0.01	472	0.73	**253**	14	0.02	1063	1.65
160	4	0.01	259	0.40	**207**	7	0.01	479	0.74	**254**	20	0.03	1083	1.68
161	4	0.01	263	0.41	**208**	6	0.01	485	0.75	**255**	15	0.02	1098	1.70
162	2	0.00	265	0.41	**209**	8	0.01	493	0.77	**256**	21	0.03	1119	1.74
163	4	0.01	269	0.42	**210**	7	0.01	500	0.78	**257**	23	0.04	1142	1.77
164	3	0.00	272	0.42	**211**	4	0.01	504	0.78	**258**	29	0.05	1171	1.82
165	2	0.00	274	0.43	**212**	8	0.01	512	0.79	**259**	33	0.05	1204	1.87
166	4	0.01	278	0.43	**213**	11	0.02	523	0.81	**260**	18	0.03	1222	1.90
167	5	0.01	283	0.44	**214**	18	0.03	541	0.84	**261**	25	0.04	1247	1.94
168	7	0.01	290	0.45	**215**	10	0.02	551	0.86	**262**	25	0.04	1272	1.97
169	2	0.00	292	0.45	**216**	7	0.01	558	0.87	**263**	27	0.04	1299	2.02
170	5	0.01	297	0.46	**217**	7	0.01	565	0.88	**264**	27	0.04	1326	2.06
171	2	0.00	299	0.46	**218**	10	0.02	575	0.89	**265**	31	0.05	1357	2.11
172	1	0.00	300	0.47	**219**	9	0.01	584	0.91	**266**	40	0.06	1397	2.17
173	5	0.01	305	0.47	**220**	16	0.02	600	0.93	**267**	21	0.03	1418	2.20
174	4	0.01	309	0.48	**221**	6	0.01	606	0.94	**268**	33	0.05	1451	2.25
175	2	0.00	311	0.48	**222**	6	0.01	612	0.95	**269**	24	0.04	1475	2.29
176	4	0.01	315	0.49	**223**	15	0.02	627	0.97	**270**	35	0.05	1510	2.34
177	8	0.01	323	0.50	**224**	4	0.01	631	0.98	**271**	38	0.06	1548	2.40
178	5	0.01	328	0.51	**225**	11	0.02	642	1.00	**272**	26	0.04	1574	2.44
179	2	0.00	330	0.51	**226**	11	0.02	653	1.01	**273**	53	0.08	1627	2.53
180	6	0.01	336	0.52	**227**	13	0.02	666	1.03	**274**	26	0.04	1653	2.57
181	6	0.01	342	0.53	**228**	8	0.01	674	1.05	**275**	37	0.06	1690	2.62
182	4	0.01	346	0.54	**229**	16	0.02	690	1.07	**276**	31	0.05	1721	2.67
183	2	0.00	348	0.54	**230**	10	0.02	700	1.09	**277**	38	0.06	1759	2.73
184	5	0.01	353	0.55	**231**	17	0.03	717	1.11	**278**	38	0.06	1797	2.79
185	2	0.00	355	0.55	**232**	15	0.02	732	1.14	**279**	37	0.06	1834	2.85
186	2	0.00	357	0.55	**233**	15	0.02	747	1.16	**280**	47	0.07	1881	2.92
187	1	0.00	358	0.56	**234**	10	0.02	757	1.17	**281**	36	0.06	1917	2.98
188	6	0.01	364	0.56	**235**	15	0.02	772	1.20	**282**	39	0.06	1956	3.04
189	9	0.01	373	0.58	**236**	20	0.03	792	1.23	**283**	44	0.07	2000	3.10
190	5	0.01	378	0.59	**237**	13	0.02	805	1.25	**284**	28	0.04	2028	3.15
191	6	0.01	384	0.60	**238**	14	0.02	819	1.27	**285**	34	0.05	2062	3.20
192	9	0.01	393	0.61	**239**	10	0.02	829	1.29	**286**	37	0.06	2099	3.26
193	4	0.01	397	0.62	**240**	10	0.02	839	1.30	**287**	38	0.06	2137	3.32
194	2	0.00	399	0.62	**241**	7	0.01	846	1.31	**288**	44	0.07	2181	3.39
195	3	0.00	402	0.62	**242**	16	0.02	862	1.34	**289**	50	0.08	2231	3.46
196	8	0.01	410	0.64	**243**	17	0.03	879	1.36	**290**	66	0.10	2297	3.57
197	6	0.01	416	0.65	**244**	21	0.03	900	1.40	**291**	44	0.07	2341	3.63

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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 %
292	36	0.06	2377	3.69	**339**	86	0.13	5574	8.65	**386**	194	0.30	12017	18.65
293	43	0.07	2420	3.76	**340**	77	0.12	5651	8.77	**387**	184	0.29	12201	18.94
294	60	0.09	2480	3.85	**341**	104	0.16	5755	8.93	**388**	163	0.25	12364	19.19
295	49	0.08	2529	3.93	**342**	99	0.15	5854	9.09	**389**	189	0.29	12553	19.48
296	55	0.09	2584	4.01	**343**	98	0.15	5952	9.24	**390**	176	0.27	12729	19.76
297	46	0.07	2630	4.08	**344**	118	0.18	6070	9.42	**391**	168	0.26	12897	20.02
298	54	0.08	2684	4.17	**345**	98	0.15	6168	9.57	**392**	197	0.31	13094	20.32
299	45	0.07	2729	4.24	**346**	103	0.16	6271	9.73	**393**	183	0.28	13277	20.61
300	54	0.08	2783	4.32	**347**	96	0.15	6367	9.88	**394**	179	0.28	13456	20.88
301	46	0.07	2829	4.39	**348**	109	0.17	6476	10.05	**395**	186	0.29	13642	21.17
302	46	0.07	2875	4.46	**349**	109	0.17	6585	10.22	**396**	177	0.27	13819	21.45
303	47	0.07	2922	4.54	**350**	99	0.15	6684	10.37	**397**	201	0.31	14020	21.76
304	53	0.08	2975	4.62	**351**	98	0.15	6782	10.53	**398**	180	0.28	14200	22.04
305	55	0.09	3030	4.70	**352**	95	0.15	6877	10.67	**399**	201	0.31	14401	22.35
306	64	0.10	3094	4.80	**353**	117	0.18	6994	10.86	**400**	174	0.27	14575	22.62
307	49	0.08	3143	4.88	**354**	125	0.19	7119	11.05	**401**	198	0.31	14773	22.93
308	84	0.13	3227	5.01	**355**	118	0.18	7237	11.23	**402**	190	0.29	14963	23.22
309	70	0.11	3297	5.12	**356**	139	0.22	7376	11.45	**403**	209	0.32	15172	23.55
310	56	0.09	3353	5.20	**357**	122	0.19	7498	11.64	**404**	244	0.38	15416	23.93
311	61	0.09	3414	5.30	**358**	135	0.21	7633	11.85	**405**	200	0.31	15616	24.24
312	64	0.10	3478	5.40	**359**	128	0.20	7761	12.05	**406**	208	0.32	15824	24.56
313	70	0.11	3548	5.51	**360**	113	0.18	7874	12.22	**407**	214	0.33	16038	24.89
314	57	0.09	3605	5.60	**361**	148	0.23	8022	12.45	**408**	219	0.34	16257	25.23
315	71	0.11	3676	5.71	**362**	140	0.22	8162	12.67	**409**	200	0.31	16457	25.54
316	70	0.11	3746	5.81	**363**	161	0.25	8323	12.92	**410**	234	0.36	16691	25.91
317	67	0.10	3813	5.92	**364**	124	0.19	8447	13.11	**411**	238	0.37	16929	26.28
318	76	0.12	3889	6.04	**365**	140	0.22	8587	13.33	**412**	230	0.36	17159	26.63
319	60	0.09	3949	6.13	**366**	149	0.23	8736	13.56	**413**	232	0.36	17391	26.99
320	67	0.10	4016	6.23	**367**	152	0.24	8888	13.79	**414**	232	0.36	17623	27.35
321	70	0.11	4086	6.34	**368**	137	0.21	9025	14.01	**415**	225	0.35	17848	27.70
322	89	0.14	4175	6.48	**369**	153	0.24	9178	14.24	**416**	239	0.37	18087	28.07
323	64	0.10	4239	6.58	**370**	137	0.21	9315	14.46	**417**	236	0.37	18323	28.44
324	75	0.12	4314	6.70	**371**	158	0.25	9473	14.70	**418**	255	0.40	18578	28.83
325	92	0.14	4406	6.84	**372**	175	0.27	9648	14.97	**419**	246	0.38	18824	29.22
326	67	0.10	4473	6.94	**373**	182	0.28	9830	15.26	**420**	265	0.41	19089	29.63
327	85	0.13	4558	7.07	**374**	150	0.23	9980	15.49	**421**	242	0.38	19331	30.00
328	67	0.10	4625	7.18	**375**	165	0.26	10145	15.75	**422**	252	0.39	19583	30.39
329	87	0.14	4712	7.31	**376**	180	0.28	10325	16.03	**423**	242	0.38	19825	30.77
330	85	0.13	4797	7.45	**377**	154	0.24	10479	16.26	**424**	237	0.37	20062	31.14
331	74	0.11	4871	7.56	**378**	157	0.24	10636	16.51	**425**	221	0.34	20283	31.48
332	64	0.10	4935	7.66	**379**	178	0.28	10814	16.78	**426**	251	0.39	20534	31.87
333	78	0.12	5013	7.78	**380**	155	0.24	10969	17.02	**427**	280	0.43	20814	32.30
334	79	0.12	5092	7.90	**381**	181	0.28	11150	17.31	**428**	282	0.44	21096	32.74
335	106	0.16	5198	8.07	**382**	182	0.28	11332	17.59	**429**	228	0.35	21324	33.10
336	88	0.14	5286	8.20	**383**	171	0.27	11503	17.85	**430**	246	0.38	21570	33.48
337	94	0.15	5380	8.35	**384**	150	0.23	11653	18.09	**431**	281	0.44	21851	33.91
338	108	0.17	5488	8.52	**385**	170	0.26	11823	18.35	**432**	273	0.42	22124	34.34

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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 %
433	276	0.43	22400	34.77	**480**	340	0.53	36099	56.03	**527**	254	0.39	49349	76.59
434	266	0.41	22666	35.18	**481**	340	0.53	36439	56.56	**528**	236	0.37	49585	76.96
435	274	0.43	22940	35.60	**482**	284	0.44	36723	57.00	**529**	228	0.35	49813	77.31
436	259	0.40	23199	36.01	**483**	318	0.49	37041	57.49	**530**	231	0.36	50044	77.67
437	277	0.43	23476	36.44	**484**	300	0.47	37341	57.96	**531**	263	0.41	50307	78.08
438	266	0.41	23742	36.85	**485**	313	0.49	37654	58.44	**532**	218	0.34	50525	78.42
439	270	0.42	24012	37.27	**486**	294	0.46	37948	58.90	**533**	220	0.34	50745	78.76
440	272	0.42	24284	37.69	**487**	300	0.47	38248	59.36	**534**	222	0.34	50967	79.10
441	284	0.44	24568	38.13	**488**	330	0.51	38578	59.88	**535**	226	0.35	51193	79.46
442	252	0.39	24820	38.52	**489**	298	0.46	38876	60.34	**536**	195	0.30	51388	79.76
443	234	0.36	25054	38.89	**490**	313	0.49	39189	60.82	**537**	238	0.37	51626	80.13
444	300	0.47	25354	39.35	**491**	294	0.46	39483	61.28	**538**	227	0.35	51853	80.48
445	276	0.43	25630	39.78	**492**	281	0.44	39764	61.72	**539**	245	0.38	52098	80.86
446	295	0.46	25925	40.24	**493**	320	0.50	40084	62.21	**540**	196	0.30	52294	81.16
447	271	0.42	26196	40.66	**494**	303	0.47	40387	62.68	**541**	201	0.31	52495	81.48
448	287	0.45	26483	41.10	**495**	304	0.47	40691	63.16	**542**	221	0.34	52716	81.82
449	281	0.44	26764	41.54	**496**	303	0.47	40994	63.63	**543**	228	0.35	52944	82.17
450	270	0.42	27034	41.96	**497**	297	0.46	41291	64.09	**544**	192	0.30	53136	82.47
451	309	0.48	27343	42.44	**498**	278	0.43	41569	64.52	**545**	214	0.33	53350	82.80
452	285	0.44	27628	42.88	**499**	290	0.45	41859	64.97	**546**	217	0.34	53567	83.14
453	305	0.47	27933	43.35	**500**	286	0.44	42145	65.41	**547**	188	0.29	53755	83.43
454	282	0.44	28215	43.79	**501**	292	0.45	42437	65.87	**548**	174	0.27	53929	83.70
455	288	0.45	28503	44.24	**502**	289	0.45	42726	66.31	**549**	195	0.30	54124	84.00
456	308	0.48	28811	44.72	**503**	280	0.43	43006	66.75	**550**	193	0.30	54317	84.30
457	285	0.44	29096	45.16	**504**	264	0.41	43270	67.16	**551**	202	0.31	54519	84.62
458	286	0.44	29382	45.60	**505**	265	0.41	43535	67.57	**552**	188	0.29	54707	84.91
459	280	0.43	29662	46.04	**506**	264	0.41	43799	67.98	**553**	172	0.27	54879	85.18
460	290	0.45	29952	46.49	**507**	283	0.44	44082	68.42	**554**	187	0.29	55066	85.47
461	302	0.47	30254	46.96	**508**	268	0.42	44350	68.83	**555**	173	0.27	55239	85.73
462	287	0.45	30541	47.40	**509**	278	0.43	44628	69.27	**556**	193	0.30	55432	86.03
463	297	0.46	30838	47.86	**510**	312	0.48	44940	69.75	**557**	160	0.25	55592	86.28
464	280	0.43	31118	48.30	**511**	265	0.41	45205	70.16	**558**	188	0.29	55780	86.57
465	324	0.50	31442	48.80	**512**	274	0.43	45479	70.59	**559**	150	0.23	55930	86.81
466	280	0.43	31722	49.23	**513**	273	0.42	45752	71.01	**560**	162	0.25	56092	87.06
467	285	0.44	32007	49.68	**514**	261	0.41	46013	71.42	**561**	147	0.23	56239	87.29
468	324	0.50	32331	50.18	**515**	264	0.41	46277	71.83	**562**	173	0.27	56412	87.56
469	313	0.49	32644	50.67	**516**	274	0.43	46551	72.25	**563**	154	0.24	56566	87.79
470	295	0.46	32939	51.12	**517**	270	0.42	46821	72.67	**564**	160	0.25	56726	88.04
471	331	0.51	33270	51.64	**518**	268	0.42	47089	73.09	**565**	161	0.25	56887	88.29
472	319	0.50	33589	52.13	**519**	265	0.41	47354	73.50	**566**	143	0.22	57030	88.51
473	329	0.51	33918	52.64	**520**	228	0.35	47582	73.85	**567**	155	0.24	57185	88.76
474	306	0.47	34224	53.12	**521**	260	0.40	47842	74.25	**568**	144	0.22	57329	88.98
475	313	0.49	34537	53.60	**522**	250	0.39	48092	74.64	**569**	128	0.20	57457	89.18
476	318	0.49	34855	54.10	**523**	276	0.43	48368	75.07	**570**	150	0.23	57607	89.41
477	279	0.43	35134	54.53	**524**	242	0.38	48610	75.45	**571**	120	0.19	57727	89.60
478	316	0.49	35450	55.02	**525**	250	0.39	48860	75.83	**572**	159	0.25	57886	89.84
479	309	0.48	35759	55.50	**526**	235	0.36	49095	76.20	**573**	136	0.21	58022	90.05

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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 %
574	121	0.19	58143	90.24	**621**	63	0.10	62130	96.43	**681**	19	0.03	63791	99.01
575	122	0.19	58265	90.43	**622**	11	0.02	62141	96.45	**683**	59	0.09	63850	99.10
576	125	0.19	58390	90.63	**623**	74	0.11	62215	96.56	**686**	32	0.05	63882	99.15
577	117	0.18	58507	90.81	**624**	94	0.15	62309	96.71	**687**	34	0.05	63916	99.20
578	136	0.21	58643	91.02	**625**	26	0.04	62335	96.75	**691**	49	0.08	63965	99.28
579	123	0.19	58766	91.21	**626**	59	0.09	62394	96.84	**693**	14	0.02	63979	99.30
580	106	0.16	58872	91.37	**627**	56	0.09	62450	96.93	**699**	17	0.03	63996	99.33
581	95	0.15	58967	91.52	**628**	54	0.08	62504	97.01	**700**	434	0.67	64430	100.00
582	101	0.16	59068	91.68	**629**	47	0.07	62551	97.08					
583	90	0.14	59158	91.82	**630**	43	0.07	62594	97.15					
584	102	0.16	59260	91.98	**631**	25	0.04	62619	97.19					
585	105	0.16	59365	92.14	**632**	27	0.04	62646	97.23					
586	154	0.24	59519	92.38	**633**	45	0.07	62691	97.30					
587	88	0.14	59607	92.51	**634**	11	0.02	62702	97.32					
588	135	0.21	59742	92.72	**635**	27	0.04	62729	97.36					
589	82	0.13	59824	92.85	**636**	13	0.02	62742	97.38					
590	141	0.22	59965	93.07	**637**	59	0.09	62801	97.47					
591	94	0.15	60059	93.22	**638**	4	0.01	62805	97.48					
592	125	0.19	60184	93.41	**639**	37	0.06	62842	97.54					
593	74	0.11	60258	93.52	**640**	27	0.04	62869	97.58					
594	105	0.16	60363	93.69	**641**	38	0.06	62907	97.64					
595	67	0.10	60430	93.79	**642**	35	0.05	62942	97.69					
596	87	0.14	60517	93.93	**643**	5	0.01	62947	97.70					
597	95	0.15	60612	94.07	**644**	28	0.04	62975	97.74					
598	63	0.10	60675	94.17	**645**	7	0.01	62982	97.75					
599	97	0.15	60772	94.32	**646**	12	0.02	62994	97.77					
600	94	0.15	60866	94.47	**647**	3	0.00	62997	97.78					
601	75	0.12	60941	94.58	**648**	170	0.26	63167	98.04					
602	82	0.13	61023	94.71	**649**	7	0.01	63174	98.05					
603	51	0.08	61074	94.79	**650**	6	0.01	63180	98.06					
604	89	0.14	61163	94.93	**652**	25	0.04	63205	98.10					
605	63	0.10	61226	95.03	**653**	14	0.02	63219	98.12					
606	60	0.09	61286	95.12	**657**	7	0.01	63226	98.13					
607	44	0.07	61330	95.19	**659**	140	0.22	63366	98.35					
608	40	0.06	61370	95.25	**660**	2	0.00	63368	98.35					
609	105	0.16	61475	95.41	**662**	12	0.02	63380	98.37					
610	29	0.05	61504	95.46	**663**	36	0.06	63416	98.43					
611	58	0.09	61562	95.55	**664**	29	0.05	63445	98.47					
612	65	0.10	61627	95.65	**666**	37	0.06	63482	98.53					
613	35	0.05	61662	95.70	**667**	4	0.01	63486	98.53					
614	38	0.06	61700	95.76	**669**	3	0.00	63489	98.54					
615	47	0.07	61747	95.84	**670**	33	0.05	63522	98.59					
616	30	0.05	61777	95.88	**671**	13	0.02	63535	98.61					
617	76	0.12	61853	96.00	**674**	1	0.00	63536	98.61					
618	136	0.21	61989	96.21	**675**	30	0.05	63566	98.66					
619	28	0.04	62017	96.25	**677**	179	0.28	63745	98.94					
620	50	0.08	62067	96.33	**678**	27	0.04	63772	98.98					

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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	309	0.49	309	0.49	**346**	6	0.01	385	0.61	**393**	8	0.01	619	0.98
213	1	0.00	310	0.49	**347**	5	0.01	390	0.62	**394**	12	0.02	631	1.00
217	1	0.00	311	0.49	**348**	3	0.00	393	0.62	**395**	10	0.02	641	1.02
240	1	0.00	312	0.50	**349**	4	0.01	397	0.63	**396**	11	0.02	652	1.04
277	1	0.00	313	0.50	**350**	5	0.01	402	0.64	**397**	7	0.01	659	1.05
284	1	0.00	314	0.50	**351**	3	0.00	405	0.64	**398**	13	0.02	672	1.07
288	1	0.00	315	0.50	**352**	2	0.00	407	0.65	**399**	15	0.02	687	1.09
289	2	0.00	317	0.50	**353**	3	0.00	410	0.65	**400**	15	0.02	702	1.12
291	1	0.00	318	0.51	**354**	3	0.00	413	0.66	**401**	9	0.01	711	1.13
294	1	0.00	319	0.51	**355**	6	0.01	419	0.67	**402**	14	0.02	725	1.15
296	1	0.00	320	0.51	**356**	6	0.01	425	0.68	**403**	12	0.02	737	1.17
297	1	0.00	321	0.51	**357**	3	0.00	428	0.68	**404**	14	0.02	751	1.19
298	1	0.00	322	0.51	**358**	3	0.00	431	0.69	**405**	15	0.02	766	1.22
302	1	0.00	323	0.51	**359**	2	0.00	433	0.69	**406**	14	0.02	780	1.24
307	2	0.00	325	0.52	**360**	1	0.00	434	0.69	**407**	8	0.01	788	1.25
309	1	0.00	326	0.52	**361**	9	0.01	443	0.70	**408**	16	0.03	804	1.28
310	1	0.00	327	0.52	**362**	7	0.01	450	0.72	**409**	13	0.02	817	1.30
311	2	0.00	329	0.52	**363**	2	0.00	452	0.72	**410**	12	0.02	829	1.32
313	1	0.00	330	0.52	**364**	5	0.01	457	0.73	**411**	13	0.02	842	1.34
314	1	0.00	331	0.53	**365**	2	0.00	459	0.73	**412**	15	0.02	857	1.36
315	1	0.00	332	0.53	**366**	4	0.01	463	0.74	**413**	11	0.02	868	1.38
316	2	0.00	334	0.53	**367**	6	0.01	469	0.75	**414**	19	0.03	887	1.41
317	1	0.00	335	0.53	**368**	5	0.01	474	0.75	**415**	11	0.02	898	1.43
318	2	0.00	337	0.54	**369**	4	0.01	478	0.76	**416**	18	0.03	916	1.46
319	3	0.00	340	0.54	**370**	5	0.01	483	0.77	**417**	16	0.03	932	1.48
321	1	0.00	341	0.54	**371**	4	0.01	487	0.77	**418**	21	0.03	953	1.51
322	1	0.00	342	0.54	**372**	3	0.00	490	0.78	**419**	15	0.02	968	1.54
323	2	0.00	344	0.55	**373**	5	0.01	495	0.79	**420**	14	0.02	982	1.56
324	2	0.00	346	0.55	**374**	4	0.01	499	0.79	**421**	20	0.03	1002	1.59
325	1	0.00	347	0.55	**375**	2	0.00	501	0.80	**422**	13	0.02	1015	1.61
326	3	0.00	350	0.56	**376**	6	0.01	507	0.81	**423**	14	0.02	1029	1.64
327	2	0.00	352	0.56	**377**	6	0.01	513	0.82	**424**	19	0.03	1048	1.67
328	3	0.00	355	0.56	**378**	5	0.01	518	0.82	**425**	21	0.03	1069	1.70
329	1	0.00	356	0.57	**379**	7	0.01	525	0.83	**426**	9	0.01	1078	1.71
330	3	0.00	359	0.57	**380**	2	0.00	527	0.84	**427**	25	0.04	1103	1.75
331	2	0.00	361	0.57	**381**	9	0.01	536	0.85	**428**	24	0.04	1127	1.79
334	1	0.00	362	0.58	**382**	6	0.01	542	0.86	**429**	23	0.04	1150	1.83
335	1	0.00	363	0.58	**383**	6	0.01	548	0.87	**430**	16	0.03	1166	1.85
336	1	0.00	364	0.58	**384**	3	0.00	551	0.88	**431**	19	0.03	1185	1.88
337	2	0.00	366	0.58	**385**	2	0.00	553	0.88	**432**	21	0.03	1206	1.92
338	1	0.00	367	0.58	**386**	8	0.01	561	0.89	**433**	32	0.05	1238	1.97
339	1	0.00	368	0.58	**387**	11	0.02	572	0.91	**434**	23	0.04	1261	2.00
341	1	0.00	369	0.59	**388**	11	0.02	583	0.93	**435**	27	0.04	1288	2.05
342	2	0.00	371	0.59	**389**	11	0.02	594	0.94	**436**	31	0.05	1319	2.10
343	2	0.00	373	0.59	**390**	4	0.01	598	0.95	**437**	29	0.05	1348	2.14
344	5	0.01	378	0.60	**391**	8	0.01	606	0.96	**438**	37	0.06	1385	2.20
345	1	0.00	379	0.60	**392**	5	0.01	611	0.97	**439**	30	0.05	1415	2.25

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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 %
440	32	0.05	1447	2.30	**487**	75	0.12	3711	5.90	**534**	200	0.32	9743	15.49
441	49	0.08	1496	2.38	**488**	66	0.10	3777	6.00	**535**	223	0.35	9966	15.84
442	28	0.04	1524	2.42	**489**	73	0.12	3850	6.12	**536**	200	0.32	10166	16.16
443	37	0.06	1561	2.48	**490**	87	0.14	3937	6.26	**537**	206	0.33	10372	16.48
444	38	0.06	1599	2.54	**491**	70	0.11	4007	6.37	**538**	220	0.35	10592	16.83
445	26	0.04	1625	2.58	**492**	102	0.16	4109	6.53	**539**	228	0.36	10820	17.20
446	38	0.06	1663	2.64	**493**	77	0.12	4186	6.65	**540**	237	0.38	11057	17.57
447	38	0.06	1701	2.70	**494**	82	0.13	4268	6.78	**541**	236	0.38	11293	17.95
448	35	0.06	1736	2.76	**495**	78	0.12	4346	6.91	**542**	243	0.39	11536	18.33
449	33	0.05	1769	2.81	**496**	89	0.14	4435	7.05	**543**	255	0.41	11791	18.74
450	33	0.05	1802	2.86	**497**	87	0.14	4522	7.19	**544**	234	0.37	12025	19.11
451	17	0.03	1819	2.89	**498**	72	0.11	4594	7.30	**545**	261	0.41	12286	19.53
452	32	0.05	1851	2.94	**499**	107	0.17	4701	7.47	**546**	271	0.43	12557	19.96
453	43	0.07	1894	3.01	**500**	85	0.14	4786	7.61	**547**	247	0.39	12804	20.35
454	43	0.07	1937	3.08	**501**	88	0.14	4874	7.75	**548**	264	0.42	13068	20.77
455	41	0.07	1978	3.14	**502**	105	0.17	4979	7.91	**549**	263	0.42	13331	21.19
456	40	0.06	2018	3.21	**503**	96	0.15	5075	8.07	**550**	260	0.41	13591	21.60
457	30	0.05	2048	3.26	**504**	103	0.16	5178	8.23	**551**	254	0.40	13845	22.00
458	37	0.06	2085	3.31	**505**	113	0.18	5291	8.41	**552**	295	0.47	14140	22.47
459	40	0.06	2125	3.38	**506**	114	0.18	5405	8.59	**553**	298	0.47	14438	22.95
460	48	0.08	2173	3.45	**507**	119	0.19	5524	8.78	**554**	307	0.49	14745	23.44
461	51	0.08	2224	3.53	**508**	105	0.17	5629	8.95	**555**	278	0.44	15023	23.88
462	40	0.06	2264	3.60	**509**	113	0.18	5742	9.13	**556**	302	0.48	15325	24.36
463	57	0.09	2321	3.69	**510**	134	0.21	5876	9.34	**557**	315	0.50	15640	24.86
464	57	0.09	2378	3.78	**511**	106	0.17	5982	9.51	**558**	314	0.50	15954	25.36
465	44	0.07	2422	3.85	**512**	123	0.20	6105	9.70	**559**	302	0.48	16256	25.84
466	41	0.07	2463	3.91	**513**	138	0.22	6243	9.92	**560**	290	0.46	16546	26.30
467	42	0.07	2505	3.98	**514**	112	0.18	6355	10.10	**561**	350	0.56	16896	26.85
468	53	0.08	2558	4.07	**515**	127	0.20	6482	10.30	**562**	334	0.53	17230	27.38
469	51	0.08	2609	4.15	**516**	168	0.27	6650	10.57	**563**	362	0.58	17592	27.96
470	40	0.06	2649	4.21	**517**	130	0.21	6780	10.78	**564**	353	0.56	17945	28.52
471	52	0.08	2701	4.29	**518**	149	0.24	6929	11.01	**565**	365	0.58	18310	29.10
472	55	0.09	2756	4.38	**519**	155	0.25	7084	11.26	**566**	371	0.59	18681	29.69
473	49	0.08	2805	4.46	**520**	152	0.24	7236	11.50	**567**	366	0.58	19047	30.27
474	58	0.09	2863	4.55	**521**	161	0.26	7397	11.76	**568**	379	0.60	19426	30.88
475	61	0.10	2924	4.65	**522**	149	0.24	7546	11.99	**569**	400	0.64	19826	31.51
476	49	0.08	2973	4.73	**523**	142	0.23	7688	12.22	**570**	408	0.65	20234	32.16
477	53	0.08	3026	4.81	**524**	197	0.31	7885	12.53	**571**	385	0.61	20619	32.77
478	61	0.10	3087	4.91	**525**	167	0.27	8052	12.80	**572**	429	0.68	21048	33.45
479	48	0.08	3135	4.98	**526**	164	0.26	8216	13.06	**573**	408	0.65	21456	34.10
480	60	0.10	3195	5.08	**527**	204	0.32	8420	13.38	**574**	412	0.65	21868	34.76
481	61	0.10	3256	5.17	**528**	181	0.29	8601	13.67	**575**	409	0.65	22277	35.41
482	70	0.11	3326	5.29	**529**	155	0.25	8756	13.92	**576**	451	0.72	22728	36.12
483	71	0.11	3397	5.40	**530**	208	0.33	8964	14.25	**577**	421	0.67	23149	36.79
484	71	0.11	3468	5.51	**531**	176	0.28	9140	14.53	**578**	392	0.62	23541	37.42
485	86	0.14	3554	5.65	**532**	180	0.29	9320	14.81	**579**	433	0.69	23974	38.10
486	82	0.13	3636	5.78	**533**	223	0.35	9543	15.17	**580**	479	0.76	24453	38.86

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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 %
581	399	0.63	24852	39.50	**628**	428	0.68	48040	76.35	**675**	133	0.21	60790	96.62
582	445	0.71	25297	40.21	**629**	423	0.67	48463	77.03	**676**	118	0.19	60908	96.81
583	470	0.75	25767	40.95	**630**	455	0.72	48918	77.75	**677**	110	0.17	61018	96.98
584	486	0.77	26253	41.73	**631**	445	0.71	49363	78.46	**678**	87	0.14	61105	97.12
585	509	0.81	26762	42.53	**632**	427	0.68	49790	79.13	**679**	99	0.16	61204	97.28
586	471	0.75	27233	43.28	**633**	425	0.68	50215	79.81	**680**	95	0.15	61299	97.43
587	474	0.75	27707	44.04	**634**	396	0.63	50611	80.44	**681**	89	0.14	61388	97.57
588	506	0.80	28213	44.84	**635**	375	0.60	50986	81.04	**682**	55	0.09	61443	97.66
589	491	0.78	28704	45.62	**636**	388	0.62	51374	81.65	**683**	80	0.13	61523	97.78
590	506	0.80	29210	46.43	**637**	409	0.65	51783	82.30	**684**	64	0.10	61587	97.88
591	454	0.72	29664	47.15	**638**	386	0.61	52169	82.92	**685**	78	0.12	61665	98.01
592	485	0.77	30149	47.92	**639**	409	0.65	52578	83.57	**686**	61	0.10	61726	98.11
593	496	0.79	30645	48.71	**640**	354	0.56	52932	84.13	**687**	62	0.10	61788	98.20
594	509	0.81	31154	49.52	**641**	348	0.55	53280	84.68	**688**	68	0.11	61856	98.31
595	528	0.84	31682	50.35	**642**	323	0.51	53603	85.20	**689**	64	0.10	61920	98.41
596	521	0.83	32203	51.18	**643**	340	0.54	53943	85.74	**690**	40	0.06	61960	98.48
597	541	0.86	32744	52.04	**644**	322	0.51	54265	86.25	**691**	55	0.09	62015	98.56
598	509	0.81	33253	52.85	**645**	344	0.55	54609	86.79	**692**	58	0.09	62073	98.66
599	475	0.75	33728	53.61	**646**	290	0.46	54899	87.25	**693**	52	0.08	62125	98.74
600	477	0.76	34205	54.36	**647**	288	0.46	55187	87.71	**694**	32	0.05	62157	98.79
601	507	0.81	34712	55.17	**648**	303	0.48	55490	88.19	**695**	44	0.07	62201	98.86
602	584	0.93	35296	56.10	**649**	277	0.44	55767	88.63	**696**	33	0.05	62234	98.91
603	517	0.82	35813	56.92	**650**	271	0.43	56038	89.07	**697**	30	0.05	62264	98.96
604	522	0.83	36335	57.75	**651**	291	0.46	56329	89.53	**698**	36	0.06	62300	99.02
605	508	0.81	36843	58.56	**652**	281	0.45	56610	89.97	**699**	36	0.06	62336	99.07
606	508	0.81	37351	59.36	**653**	253	0.40	56863	90.38	**700**	26	0.04	62362	99.12
607	516	0.82	37867	60.18	**654**	238	0.38	57101	90.75	**701**	31	0.05	62393	99.17
608	510	0.81	38377	61.00	**655**	235	0.37	57336	91.13	**702**	31	0.05	62424	99.21
609	511	0.81	38888	61.81	**656**	217	0.34	57553	91.47	**703**	34	0.05	62458	99.27
610	502	0.80	39390	62.61	**657**	240	0.38	57793	91.85	**704**	21	0.03	62479	99.30
611	522	0.83	39912	63.43	**658**	223	0.35	58016	92.21	**705**	22	0.03	62501	99.34
612	545	0.87	40457	64.30	**659**	203	0.32	58219	92.53	**706**	25	0.04	62526	99.38
613	496	0.79	40953	65.09	**660**	183	0.29	58402	92.82	**707**	17	0.03	62543	99.40
614	516	0.82	41469	65.91	**661**	204	0.32	58606	93.15	**708**	21	0.03	62564	99.44
615	495	0.79	41964	66.70	**662**	187	0.30	58793	93.44	**709**	20	0.03	62584	99.47
616	468	0.74	42432	67.44	**663**	202	0.32	58995	93.76	**710**	16	0.03	62600	99.49
617	464	0.74	42896	68.18	**664**	195	0.31	59190	94.07	**711**	23	0.04	62623	99.53
618	485	0.77	43381	68.95	**665**	161	0.26	59351	94.33	**712**	11	0.02	62634	99.55
619	467	0.74	43848	69.69	**666**	165	0.26	59516	94.59	**713**	16	0.03	62650	99.57
620	491	0.78	44339	70.47	**667**	164	0.26	59680	94.85	**714**	12	0.02	62662	99.59
621	524	0.83	44863	71.30	**668**	160	0.25	59840	95.11	**715**	14	0.02	62676	99.62
622	472	0.75	45335	72.05	**669**	140	0.22	59980	95.33	**716**	17	0.03	62693	99.64
623	450	0.72	45785	72.77	**670**	141	0.22	60121	95.55	**717**	9	0.01	62702	99.66
624	487	0.77	46272	73.54	**671**	135	0.21	60256	95.77	**718**	5	0.01	62707	99.66
625	452	0.72	46724	74.26	**672**	126	0.20	60382	95.97	**719**	16	0.03	62723	99.69
626	438	0.70	47162	74.96	**673**	138	0.22	60520	96.19	**720**	7	0.01	62730	99.70
627	450	0.72	47612	75.67	**674**	137	0.22	60657	96.41	**721**	9	0.01	62739	99.72

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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 %
722	13	0.02	62752	99.74	**841**	1	0.00	62916	100.00
723	8	0.01	62760	99.75	**889**	1	0.00	62917	100.00
724	8	0.01	62768	99.76	**940**	1	0.00	62918	100.00
725	13	0.02	62781	99.78					
726	6	0.01	62787	99.79					
727	6	0.01	62793	99.80					
728	12	0.02	62805	99.82					
729	6	0.01	62811	99.83					
730	5	0.01	62816	99.84					
731	8	0.01	62824	99.85					
732	3	0.00	62827	99.86					
733	3	0.00	62830	99.86					
734	7	0.01	62837	99.87					
735	6	0.01	62843	99.88					
736	6	0.01	62849	99.89					
737	4	0.01	62853	99.90					
738	2	0.00	62855	99.90					
739	2	0.00	62857	99.90					
740	3	0.00	62860	99.91					
741	3	0.00	62863	99.91					
742	4	0.01	62867	99.92					
743	4	0.01	62871	99.93					
744	1	0.00	62872	99.93					
745	1	0.00	62873	99.93					
746	1	0.00	62874	99.93					
747	3	0.00	62877	99.93					
748	8	0.01	62885	99.95					
749	4	0.01	62889	99.95					
751	4	0.01	62893	99.96					
752	1	0.00	62894	99.96					
753	1	0.00	62895	99.96					
755	1	0.00	62896	99.97					
756	2	0.00	62898	99.97					
757	1	0.00	62899	99.97					
759	1	0.00	62900	99.97					
760	2	0.00	62902	99.97					
764	1	0.00	62903	99.98					
765	2	0.00	62905	99.98					
768	1	0.00	62906	99.98					
769	1	0.00	62907	99.98					
770	1	0.00	62908	99.98					
771	1	0.00	62909	99.99					
775	1	0.00	62910	99.99					
782	2	0.00	62912	99.99					
788	1	0.00	62913	99.99					
792	1	0.00	62914	99.99					
812	1	0.00	62915	100.00					

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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 %
409	1	1.10	1	1.10	**532**	1	1.10	59	64.84
414	1	1.10	2	2.20	**534**	1	1.10	60	65.93
424	1	1.10	3	3.30	**539**	1	1.10	61	67.03
437	1	1.10	4	4.40	**540**	2	2.20	63	69.23
439	1	1.10	5	5.49	**541**	1	1.10	64	70.33
444	1	1.10	6	6.59	**542**	2	2.20	66	72.53
445	1	1.10	7	7.69	**544**	2	2.20	68	74.73
449	1	1.10	8	8.79	**546**	1	1.10	69	75.82
453	1	1.10	9	9.89	**548**	1	1.10	70	76.92
456	1	1.10	10	10.99	**552**	1	1.10	71	78.02
459	1	1.10	11	12.09	**556**	3	3.30	74	81.32
460	1	1.10	12	13.19	**557**	1	1.10	75	82.42
461	1	1.10	13	14.29	**560**	1	1.10	76	83.52
467	1	1.10	14	15.38	**564**	1	1.10	77	84.62
468	1	1.10	15	16.48	**565**	1	1.10	78	85.71
469	1	1.10	16	17.58	**566**	1	1.10	79	86.81
470	1	1.10	17	18.68	**570**	1	1.10	80	87.91
473	1	1.10	18	19.78	**573**	1	1.10	81	89.01
475	1	1.10	19	20.88	**574**	1	1.10	82	90.11
477	1	1.10	20	21.98	**579**	1	1.10	83	91.21
478	1	1.10	21	23.08	**581**	1	1.10	84	92.31
479	1	1.10	22	24.18	**590**	1	1.10	85	93.41
482	1	1.10	23	25.27	**592**	1	1.10	86	94.51
483	2	2.20	25	27.47	**595**	1	1.10	87	95.60
485	1	1.10	26	28.57	**598**	1	1.10	88	96.70
486	2	2.20	28	30.77	**601**	1	1.10	89	97.80
487	1	1.10	29	31.87	**606**	1	1.10	90	98.90
489	1	1.10	30	32.97	**626**	1	1.10	91	100.00
497	2	2.20	32	35.16					
498	2	2.20	34	37.36					
500	1	1.10	35	38.46					
501	1	1.10	36	39.56					
504	1	1.10	37	40.66					
506	2	2.20	39	42.86					
507	2	2.20	41	45.05					
510	1	1.10	42	46.15					
511	1	1.10	43	47.25					
513	1	1.10	44	48.35					
515	1	1.10	45	49.45					
517	1	1.10	46	50.55					
518	1	1.10	47	51.65					
520	1	1.10	48	52.75					
521	1	1.10	49	53.85					
523	1	1.10	50	54.95					
524	3	3.30	53	58.24					
529	2	2.20	55	60.44					
531	3	3.30	58	63.74					

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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	20	0.03	20	0.03	**304**	4	0.01	107	0.17	**353**	18	0.03	467	0.74
218	1	0.00	21	0.03	**305**	3	0.00	110	0.17	**354**	18	0.03	485	0.77
228	2	0.00	23	0.04	**306**	2	0.00	112	0.18	**355**	21	0.03	506	0.80
229	2	0.00	25	0.04	**308**	1	0.00	113	0.18	**356**	26	0.04	532	0.85
234	1	0.00	26	0.04	**309**	3	0.00	116	0.18	**357**	18	0.03	550	0.87
236	2	0.00	28	0.04	**310**	1	0.00	117	0.19	**358**	22	0.03	572	0.91
238	1	0.00	29	0.05	**312**	3	0.00	120	0.19	**359**	25	0.04	597	0.95
242	1	0.00	30	0.05	**313**	4	0.01	124	0.20	**360**	34	0.05	631	1.00
244	1	0.00	31	0.05	**314**	5	0.01	129	0.21	**361**	15	0.02	646	1.03
246	1	0.00	32	0.05	**315**	2	0.00	131	0.21	**362**	20	0.03	666	1.06
251	2	0.00	34	0.05	**316**	3	0.00	134	0.21	**363**	23	0.04	689	1.10
252	1	0.00	35	0.06	**317**	3	0.00	137	0.22	**364**	24	0.04	713	1.13
256	3	0.00	38	0.06	**318**	6	0.01	143	0.23	**365**	25	0.04	738	1.17
257	1	0.00	39	0.06	**319**	4	0.01	147	0.23	**366**	27	0.04	765	1.22
258	1	0.00	40	0.06	**320**	4	0.01	151	0.24	**367**	30	0.05	795	1.26
260	1	0.00	41	0.07	**321**	3	0.00	154	0.24	**368**	38	0.06	833	1.32
263	2	0.00	43	0.07	**322**	6	0.01	160	0.25	**369**	41	0.07	874	1.39
264	2	0.00	45	0.07	**323**	5	0.01	165	0.26	**370**	39	0.06	913	1.45
265	1	0.00	46	0.07	**324**	2	0.00	167	0.27	**371**	29	0.05	942	1.50
266	1	0.00	47	0.07	**325**	5	0.01	172	0.27	**372**	55	0.09	997	1.59
269	1	0.00	48	0.08	**326**	4	0.01	176	0.28	**373**	34	0.05	1031	1.64
272	2	0.00	50	0.08	**327**	6	0.01	182	0.29	**374**	37	0.06	1068	1.70
273	1	0.00	51	0.08	**328**	9	0.01	191	0.30	**375**	41	0.07	1109	1.76
274	4	0.01	55	0.09	**329**	9	0.01	200	0.32	**376**	43	0.07	1152	1.83
276	1	0.00	56	0.09	**330**	5	0.01	205	0.33	**377**	48	0.08	1200	1.91
277	2	0.00	58	0.09	**331**	11	0.02	216	0.34	**378**	46	0.07	1246	1.98
279	4	0.01	62	0.10	**332**	9	0.01	225	0.36	**379**	45	0.07	1291	2.05
282	1	0.00	63	0.10	**333**	7	0.01	232	0.37	**380**	58	0.09	1349	2.15
283	1	0.00	64	0.10	**334**	9	0.01	241	0.38	**381**	59	0.09	1408	2.24
284	1	0.00	65	0.10	**335**	6	0.01	247	0.39	**382**	65	0.10	1473	2.34
285	2	0.00	67	0.11	**336**	7	0.01	254	0.40	**383**	55	0.09	1528	2.43
286	2	0.00	69	0.11	**337**	7	0.01	261	0.42	**384**	73	0.12	1601	2.55
287	1	0.00	70	0.11	**338**	11	0.02	272	0.43	**385**	66	0.10	1667	2.65
288	1	0.00	71	0.11	**339**	13	0.02	285	0.45	**386**	65	0.10	1732	2.75
289	1	0.00	72	0.11	**340**	11	0.02	296	0.47	**387**	63	0.10	1795	2.85
290	2	0.00	74	0.12	**341**	12	0.02	308	0.49	**388**	58	0.09	1853	2.95
291	2	0.00	76	0.12	**342**	8	0.01	316	0.50	**389**	81	0.13	1934	3.08
292	2	0.00	78	0.12	**343**	10	0.02	326	0.52	**390**	80	0.13	2014	3.20
293	3	0.00	81	0.13	**344**	8	0.01	334	0.53	**391**	85	0.14	2099	3.34
294	3	0.00	84	0.13	**345**	8	0.01	342	0.54	**392**	86	0.14	2185	3.47
295	2	0.00	86	0.14	**346**	15	0.02	357	0.57	**393**	80	0.13	2265	3.60
296	3	0.00	89	0.14	**347**	18	0.03	375	0.60	**394**	70	0.11	2335	3.71
297	6	0.01	95	0.15	**348**	9	0.01	384	0.61	**395**	88	0.14	2423	3.85
298	2	0.00	97	0.15	**349**	15	0.02	399	0.63	**396**	101	0.16	2524	4.01
300	1	0.00	98	0.16	**350**	18	0.03	417	0.66	**397**	87	0.14	2611	4.15
301	1	0.00	99	0.16	**351**	13	0.02	430	0.68	**398**	88	0.14	2699	4.29
303	4	0.01	103	0.16	**352**	19	0.03	449	0.71	**399**	102	0.16	2801	4.45

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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	101	0.16	2902	4.61	**447**	388	0.62	13987	22.24	**494**	540	0.86	37111	59.01
401	124	0.20	3026	4.81	**448**	373	0.59	14360	22.83	**495**	533	0.85	37644	59.86
402	121	0.19	3147	5.00	**449**	411	0.65	14771	23.49	**496**	514	0.82	38158	60.68
403	125	0.20	3272	5.20	**450**	418	0.66	15189	24.15	**497**	522	0.83	38680	61.51
404	127	0.20	3399	5.40	**451**	391	0.62	15580	24.77	**498**	496	0.79	39176	62.29
405	126	0.20	3525	5.61	**452**	459	0.73	16039	25.50	**499**	544	0.87	39720	63.16
406	120	0.19	3645	5.80	**453**	410	0.65	16449	26.16	**500**	507	0.81	40227	63.97
407	145	0.23	3790	6.03	**454**	440	0.70	16889	26.86	**501**	529	0.84	40756	64.81
408	147	0.23	3937	6.26	**455**	437	0.69	17326	27.55	**502**	518	0.82	41274	65.63
409	147	0.23	4084	6.49	**456**	453	0.72	17779	28.27	**503**	501	0.80	41775	66.43
410	154	0.24	4238	6.74	**457**	394	0.63	18173	28.90	**504**	463	0.74	42238	67.16
411	175	0.28	4413	7.02	**458**	424	0.67	18597	29.57	**505**	475	0.76	42713	67.92
412	150	0.24	4563	7.26	**459**	450	0.72	19047	30.29	**506**	523	0.83	43236	68.75
413	180	0.29	4743	7.54	**460**	450	0.72	19497	31.00	**507**	499	0.79	43735	69.54
414	174	0.28	4917	7.82	**461**	444	0.71	19941	31.71	**508**	468	0.74	44203	70.29
415	161	0.26	5078	8.07	**462**	484	0.77	20425	32.48	**509**	446	0.71	44649	71.00
416	177	0.28	5255	8.36	**463**	486	0.77	20911	33.25	**510**	475	0.76	45124	71.75
417	144	0.23	5399	8.59	**464**	486	0.77	21397	34.02	**511**	456	0.73	45580	72.48
418	207	0.33	5606	8.91	**465**	496	0.79	21893	34.81	**512**	453	0.72	46033	73.20
419	226	0.36	5832	9.27	**466**	537	0.85	22430	35.67	**513**	412	0.66	46445	73.85
420	211	0.34	6043	9.61	**467**	458	0.73	22888	36.39	**514**	440	0.70	46885	74.55
421	218	0.35	6261	9.96	**468**	480	0.76	23368	37.16	**515**	402	0.64	47287	75.19
422	234	0.37	6495	10.33	**469**	516	0.82	23884	37.98	**516**	459	0.73	47746	75.92
423	227	0.36	6722	10.69	**470**	511	0.81	24395	38.79	**517**	421	0.67	48167	76.59
424	226	0.36	6948	11.05	**471**	482	0.77	24877	39.56	**518**	437	0.69	48604	77.29
425	244	0.39	7192	11.44	**472**	493	0.78	25370	40.34	**519**	394	0.63	48998	77.91
426	239	0.38	7431	11.82	**473**	522	0.83	25892	41.17	**520**	385	0.61	49383	78.53
427	235	0.37	7666	12.19	**474**	509	0.81	26401	41.98	**521**	377	0.60	49760	79.12
428	299	0.48	7965	12.67	**475**	522	0.83	26923	42.81	**522**	375	0.60	50135	79.72
429	265	0.42	8230	13.09	**476**	544	0.87	27467	43.68	**523**	400	0.64	50535	80.36
430	264	0.42	8494	13.51	**477**	554	0.88	28021	44.56	**524**	366	0.58	50901	80.94
431	270	0.43	8764	13.94	**478**	539	0.86	28560	45.41	**525**	319	0.51	51220	81.45
432	293	0.47	9057	14.40	**479**	495	0.79	29055	46.20	**526**	358	0.57	51578	82.02
433	283	0.45	9340	14.85	**480**	559	0.89	29614	47.09	**527**	340	0.54	51918	82.56
434	264	0.42	9604	15.27	**481**	557	0.89	30171	47.98	**528**	327	0.52	52245	83.08
435	308	0.49	9912	15.76	**482**	551	0.88	30722	48.85	**529**	303	0.48	52548	83.56
436	331	0.53	10243	16.29	**483**	520	0.83	31242	49.68	**530**	299	0.48	52847	84.03
437	310	0.49	10553	16.78	**484**	531	0.84	31773	50.52	**531**	320	0.51	53167	84.54
438	307	0.49	10860	17.27	**485**	594	0.94	32367	51.47	**532**	310	0.49	53477	85.04
439	321	0.51	11181	17.78	**486**	541	0.86	32908	52.33	**533**	325	0.52	53802	85.55
440	338	0.54	11519	18.32	**487**	512	0.81	33420	53.14	**534**	280	0.45	54082	86.00
441	323	0.51	11842	18.83	**488**	510	0.81	33930	53.95	**535**	306	0.49	54388	86.48
442	344	0.55	12186	19.38	**489**	528	0.84	34458	54.79	**536**	278	0.44	54666	86.93
443	353	0.56	12539	19.94	**490**	508	0.81	34966	55.60	**537**	287	0.46	54953	87.38
444	340	0.54	12879	20.48	**491**	531	0.84	35497	56.44	**538**	250	0.40	55203	87.78
445	356	0.57	13235	21.05	**492**	539	0.86	36036	57.30	**539**	257	0.41	55460	88.19
446	364	0.58	13599	21.62	**493**	535	0.85	36571	58.15	**540**	239	0.38	55699	88.57

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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	243	0.39	55942	88.95	**588**	49	0.08	61638	98.01	**635**	11	0.02	62649	99.62
542	254	0.40	56196	89.36	**589**	49	0.08	61687	98.09	**636**	9	0.01	62658	99.63
543	236	0.38	56432	89.73	**590**	45	0.07	61732	98.16	**637**	13	0.02	62671	99.65
544	202	0.32	56634	90.06	**591**	46	0.07	61778	98.23	**639**	3	0.00	62674	99.66
545	209	0.33	56843	90.39	**592**	48	0.08	61826	98.31	**640**	2	0.00	62676	99.66
546	210	0.33	57053	90.72	**593**	26	0.04	61852	98.35	**641**	3	0.00	62679	99.67
547	212	0.34	57265	91.06	**594**	32	0.05	61884	98.40	**642**	17	0.03	62696	99.69
548	221	0.35	57486	91.41	**595**	27	0.04	61911	98.45	**643**	2	0.00	62698	99.70
549	180	0.29	57666	91.70	**596**	45	0.07	61956	98.52	**644**	28	0.04	62726	99.74
550	166	0.26	57832	91.96	**597**	31	0.05	61987	98.57	**645**	1	0.00	62727	99.74
551	203	0.32	58035	92.28	**598**	41	0.07	62028	98.63	**646**	2	0.00	62729	99.75
552	178	0.28	58213	92.57	**599**	26	0.04	62054	98.67	**647**	14	0.02	62743	99.77
553	159	0.25	58372	92.82	**600**	30	0.05	62084	98.72	**649**	4	0.01	62747	99.78
554	184	0.29	58556	93.11	**601**	17	0.03	62101	98.75	**650**	2	0.00	62749	99.78
555	167	0.27	58723	93.38	**602**	46	0.07	62147	98.82	**651**	1	0.00	62750	99.78
556	141	0.22	58864	93.60	**603**	28	0.04	62175	98.87	**652**	2	0.00	62752	99.78
557	165	0.26	59029	93.86	**604**	9	0.01	62184	98.88	**653**	1	0.00	62753	99.79
558	143	0.23	59172	94.09	**605**	29	0.05	62213	98.93	**656**	13	0.02	62766	99.81
559	125	0.20	59297	94.29	**606**	15	0.02	62228	98.95	**658**	2	0.00	62768	99.81
560	116	0.18	59413	94.47	**607**	20	0.03	62248	98.98	**660**	7	0.01	62775	99.82
561	130	0.21	59543	94.68	**608**	12	0.02	62260	99.00	**664**	8	0.01	62783	99.83
562	111	0.18	59654	94.86	**609**	24	0.04	62284	99.04	**666**	1	0.00	62784	99.83
563	101	0.16	59755	95.02	**610**	24	0.04	62308	99.08	**667**	6	0.01	62790	99.84
564	121	0.19	59876	95.21	**611**	11	0.02	62319	99.10	**671**	10	0.02	62800	99.86
565	137	0.22	60013	95.43	**612**	30	0.05	62349	99.14	**675**	15	0.02	62815	99.88
566	106	0.17	60119	95.60	**613**	11	0.02	62360	99.16	**678**	5	0.01	62820	99.89
567	92	0.15	60211	95.74	**614**	17	0.03	62377	99.19	**680**	13	0.02	62833	99.91
568	91	0.14	60302	95.89	**615**	16	0.03	62393	99.21	**685**	3	0.00	62836	99.92
569	105	0.17	60407	96.05	**616**	14	0.02	62407	99.24	**687**	7	0.01	62843	99.93
570	75	0.12	60482	96.17	**617**	26	0.04	62433	99.28	**691**	8	0.01	62851	99.94
571	81	0.13	60563	96.30	**618**	8	0.01	62441	99.29	**730**	37	0.06	62888	100.00
572	74	0.12	60637	96.42	**619**	15	0.02	62456	99.31					
573	103	0.16	60740	96.58	**620**	52	0.08	62508	99.40					
574	65	0.10	60805	96.69	**621**	6	0.01	62514	99.41					
575	75	0.12	60880	96.81	**622**	13	0.02	62527	99.43					
576	70	0.11	60950	96.92	**623**	10	0.02	62537	99.44					
577	69	0.11	61019	97.03	**624**	13	0.02	62550	99.46					
578	57	0.09	61076	97.12	**625**	7	0.01	62557	99.47					
579	76	0.12	61152	97.24	**626**	11	0.02	62568	99.49					
580	56	0.09	61208	97.33	**627**	4	0.01	62572	99.50					
581	84	0.13	61292	97.46	**628**	8	0.01	62580	99.51					
582	60	0.10	61352	97.56	**629**	7	0.01	62587	99.52					
583	46	0.07	61398	97.63	**630**	24	0.04	62611	99.56					
584	40	0.06	61438	97.69	**631**	2	0.00	62613	99.56					
585	51	0.08	61489	97.78	**632**	11	0.02	62624	99.58					
586	50	0.08	61539	97.85	**633**	6	0.01	62630	99.59					
587	50	0.08	61589	97.93	**634**	8	0.01	62638	99.60					

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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 %
392	1	1.10	1	1.10	**519**	1	1.10	58	63.74
395	1	1.10	2	2.20	**520**	1	1.10	59	64.84
401	1	1.10	3	3.30	**521**	1	1.10	60	65.93
414	1	1.10	4	4.40	**526**	2	2.20	62	68.13
417	1	1.10	5	5.49	**527**	2	2.20	64	70.33
418	1	1.10	6	6.59	**530**	1	1.10	65	71.43
419	1	1.10	7	7.69	**531**	3	3.30	68	74.73
421	1	1.10	8	8.79	**532**	2	2.20	70	76.92
429	1	1.10	9	9.89	**533**	2	2.20	72	79.12
430	1	1.10	10	10.99	**534**	1	1.10	73	80.22
440	1	1.10	11	12.09	**535**	1	1.10	74	81.32
442	1	1.10	12	13.19	**537**	2	2.20	76	83.52
443	1	1.10	13	14.29	**538**	1	1.10	77	84.62
444	1	1.10	14	15.38	**542**	1	1.10	78	85.71
452	1	1.10	15	16.48	**546**	1	1.10	79	86.81
456	1	1.10	16	17.58	**547**	4	4.40	83	91.21
459	2	2.20	18	19.78	**548**	2	2.20	85	93.41
460	1	1.10	19	20.88	**561**	1	1.10	86	94.51
461	1	1.10	20	21.98	**569**	1	1.10	87	95.60
462	1	1.10	21	23.08	**570**	1	1.10	88	96.70
464	1	1.10	22	24.18	**581**	1	1.10	89	97.80
465	1	1.10	23	25.27	**598**	1	1.10	90	98.90
470	1	1.10	24	26.37	**624**	1	1.10	91	100.00
471	2	2.20	26	28.57					
474	1	1.10	27	29.67					
478	1	1.10	28	30.77					
479	2	2.20	30	32.97					
480	2	2.20	32	35.16					
481	1	1.10	33	36.26					
482	1	1.10	34	37.36					
485	1	1.10	35	38.46					
487	3	3.30	38	41.76					
488	2	2.20	40	43.96					
489	1	1.10	41	45.05					
490	1	1.10	42	46.15					
491	1	1.10	43	47.25					
494	1	1.10	44	48.35					
495	3	3.30	47	51.65					
496	1	1.10	48	52.75					
499	1	1.10	49	53.85					
500	1	1.10	50	54.95					
504	1	1.10	51	56.04					
505	2	2.20	53	58.24					
510	1	1.10	54	59.34					
514	1	1.10	55	60.44					
516	1	1.10	56	61.54					
518	1	1.10	57	62.64					

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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	82	0.13	82	0.13	**235**	1	0.00	238	0.38	**282**	13	0.02	644	1.02
181	1	0.00	83	0.13	**236**	1	0.00	239	0.38	**283**	15	0.02	659	1.05
184	2	0.00	85	0.13	**237**	3	0.00	242	0.38	**284**	13	0.02	672	1.07
185	2	0.00	87	0.14	**238**	2	0.00	244	0.39	**285**	14	0.02	686	1.09
187	1	0.00	88	0.14	**239**	6	0.01	250	0.40	**286**	17	0.03	703	1.12
188	3	0.00	91	0.14	**240**	5	0.01	255	0.40	**287**	11	0.02	714	1.13
190	2	0.00	93	0.15	**241**	2	0.00	257	0.41	**288**	19	0.03	733	1.16
192	2	0.00	95	0.15	**242**	5	0.01	262	0.42	**289**	22	0.03	755	1.20
193	2	0.00	97	0.15	**243**	7	0.01	269	0.43	**290**	17	0.03	772	1.22
194	2	0.00	99	0.16	**244**	3	0.00	272	0.43	**291**	15	0.02	787	1.25
195	7	0.01	106	0.17	**245**	8	0.01	280	0.44	**292**	20	0.03	807	1.28
197	3	0.00	109	0.17	**246**	7	0.01	287	0.46	**293**	17	0.03	824	1.31
199	2	0.00	111	0.18	**247**	7	0.01	294	0.47	**294**	12	0.02	836	1.33
200	1	0.00	112	0.18	**248**	8	0.01	302	0.48	**295**	19	0.03	855	1.36
201	5	0.01	117	0.19	**249**	8	0.01	310	0.49	**296**	17	0.03	872	1.38
202	2	0.00	119	0.19	**250**	7	0.01	317	0.50	**297**	15	0.02	887	1.41
203	2	0.00	121	0.19	**251**	9	0.01	326	0.52	**298**	26	0.04	913	1.45
204	1	0.00	122	0.19	**252**	5	0.01	331	0.53	**299**	21	0.03	934	1.48
205	1	0.00	123	0.20	**253**	11	0.02	342	0.54	**300**	17	0.03	951	1.51
206	2	0.00	125	0.20	**254**	6	0.01	348	0.55	**301**	22	0.03	973	1.54
207	3	0.00	128	0.20	**255**	8	0.01	356	0.56	**302**	20	0.03	993	1.58
208	2	0.00	130	0.21	**256**	11	0.02	367	0.58	**303**	22	0.03	1015	1.61
209	2	0.00	132	0.21	**257**	5	0.01	372	0.59	**304**	21	0.03	1036	1.64
211	1	0.00	133	0.21	**258**	10	0.02	382	0.61	**305**	15	0.02	1051	1.67
212	4	0.01	137	0.22	**259**	11	0.02	393	0.62	**306**	29	0.05	1080	1.71
213	3	0.00	140	0.22	**260**	4	0.01	397	0.63	**307**	19	0.03	1099	1.74
214	1	0.00	141	0.22	**261**	7	0.01	404	0.64	**308**	22	0.03	1121	1.78
215	6	0.01	147	0.23	**262**	7	0.01	411	0.65	**309**	23	0.04	1144	1.81
216	2	0.00	149	0.24	**263**	13	0.02	424	0.67	**310**	24	0.04	1168	1.85
217	4	0.01	153	0.24	**264**	14	0.02	438	0.69	**311**	19	0.03	1187	1.88
218	8	0.01	161	0.26	**265**	9	0.01	447	0.71	**312**	29	0.05	1216	1.93
219	4	0.01	165	0.26	**266**	12	0.02	459	0.73	**313**	20	0.03	1236	1.96
220	3	0.00	168	0.27	**267**	7	0.01	466	0.74	**314**	32	0.05	1268	2.01
221	2	0.00	170	0.27	**268**	10	0.02	476	0.76	**315**	25	0.04	1293	2.05
222	3	0.00	173	0.27	**269**	9	0.01	485	0.77	**316**	32	0.05	1325	2.10
223	4	0.01	177	0.28	**270**	6	0.01	491	0.78	**317**	34	0.05	1359	2.16
224	5	0.01	182	0.29	**271**	11	0.02	502	0.80	**318**	42	0.07	1401	2.22
225	7	0.01	189	0.30	**272**	10	0.02	512	0.81	**319**	27	0.04	1428	2.27
226	3	0.00	192	0.30	**273**	12	0.02	524	0.83	**320**	33	0.05	1461	2.32
227	3	0.00	195	0.31	**274**	8	0.01	532	0.84	**321**	33	0.05	1494	2.37
228	4	0.01	199	0.32	**275**	12	0.02	544	0.86	**322**	38	0.06	1532	2.43
229	8	0.01	207	0.33	**276**	9	0.01	553	0.88	**323**	34	0.05	1566	2.48
230	6	0.01	213	0.34	**277**	17	0.03	570	0.90	**324**	26	0.04	1592	2.53
231	7	0.01	220	0.35	**278**	15	0.02	585	0.93	**325**	27	0.04	1619	2.57
232	9	0.01	229	0.36	**279**	18	0.03	603	0.96	**326**	36	0.06	1655	2.63
233	3	0.00	232	0.37	**280**	13	0.02	616	0.98	**327**	42	0.07	1697	2.69
234	5	0.01	237	0.38	**281**	15	0.02	631	1.00	**328**	33	0.05	1730	2.74

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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 %
329	42	0.07	1772	2.81	**376**	84	0.13	4696	7.45	**423**	187	0.30	10963	17.39
330	38	0.06	1810	2.87	**377**	97	0.15	4793	7.60	**424**	168	0.27	11131	17.66
331	40	0.06	1850	2.93	**378**	77	0.12	4870	7.73	**425**	182	0.29	11313	17.95
332	39	0.06	1889	3.00	**379**	86	0.14	4956	7.86	**426**	210	0.33	11523	18.28
333	54	0.09	1943	3.08	**380**	106	0.17	5062	8.03	**427**	196	0.31	11719	18.59
334	45	0.07	1988	3.15	**381**	103	0.16	5165	8.19	**428**	180	0.29	11899	18.87
335	30	0.05	2018	3.20	**382**	106	0.17	5271	8.36	**429**	196	0.31	12095	19.19
336	31	0.05	2049	3.25	**383**	118	0.19	5389	8.55	**430**	207	0.33	12302	19.51
337	56	0.09	2105	3.34	**384**	101	0.16	5490	8.71	**431**	214	0.34	12516	19.85
338	51	0.08	2156	3.42	**385**	108	0.17	5598	8.88	**432**	208	0.33	12724	20.18
339	52	0.08	2208	3.50	**386**	113	0.18	5711	9.06	**433**	218	0.35	12942	20.53
340	38	0.06	2246	3.56	**387**	102	0.16	5813	9.22	**434**	187	0.30	13129	20.83
341	46	0.07	2292	3.64	**388**	93	0.15	5906	9.37	**435**	216	0.34	13345	21.17
342	63	0.10	2355	3.74	**389**	133	0.21	6039	9.58	**436**	240	0.38	13585	21.55
343	49	0.08	2404	3.81	**390**	99	0.16	6138	9.74	**437**	247	0.39	13832	21.94
344	52	0.08	2456	3.90	**391**	117	0.19	6255	9.92	**438**	203	0.32	14035	22.26
345	57	0.09	2513	3.99	**392**	138	0.22	6393	10.14	**439**	222	0.35	14257	22.62
346	52	0.08	2565	4.07	**393**	128	0.20	6521	10.34	**440**	207	0.33	14464	22.94
347	58	0.09	2623	4.16	**394**	106	0.17	6627	10.51	**441**	243	0.39	14707	23.33
348	56	0.09	2679	4.25	**395**	130	0.21	6757	10.72	**442**	239	0.38	14946	23.71
349	48	0.08	2727	4.33	**396**	113	0.18	6870	10.90	**443**	242	0.38	15188	24.09
350	61	0.10	2788	4.42	**397**	118	0.19	6988	11.08	**444**	235	0.37	15423	24.46
351	59	0.09	2847	4.52	**398**	138	0.22	7126	11.30	**445**	232	0.37	15655	24.83
352	73	0.12	2920	4.63	**399**	144	0.23	7270	11.53	**446**	234	0.37	15889	25.20
353	53	0.08	2973	4.72	**400**	129	0.20	7399	11.74	**447**	245	0.39	16134	25.59
354	70	0.11	3043	4.83	**401**	110	0.17	7509	11.91	**448**	241	0.38	16375	25.97
355	61	0.10	3104	4.92	**402**	139	0.22	7648	12.13	**449**	257	0.41	16632	26.38
356	59	0.09	3163	5.02	**403**	143	0.23	7791	12.36	**450**	227	0.36	16859	26.74
357	54	0.09	3217	5.10	**404**	133	0.21	7924	12.57	**451**	231	0.37	17090	27.11
358	71	0.11	3288	5.22	**405**	148	0.23	8072	12.80	**452**	249	0.39	17339	27.50
359	63	0.10	3351	5.32	**406**	136	0.22	8208	13.02	**453**	241	0.38	17580	27.89
360	69	0.11	3420	5.42	**407**	133	0.21	8341	13.23	**454**	260	0.41	17840	28.30
361	72	0.11	3492	5.54	**408**	144	0.23	8485	13.46	**455**	245	0.39	18085	28.69
362	72	0.11	3564	5.65	**409**	150	0.24	8635	13.70	**456**	240	0.38	18325	29.07
363	81	0.13	3645	5.78	**410**	161	0.26	8796	13.95	**457**	245	0.39	18570	29.46
364	69	0.11	3714	5.89	**411**	158	0.25	8954	14.20	**458**	280	0.44	18850	29.90
365	68	0.11	3782	6.00	**412**	133	0.21	9087	14.41	**459**	279	0.44	19129	30.34
366	85	0.13	3867	6.13	**413**	159	0.25	9246	14.67	**460**	253	0.40	19382	30.74
367	78	0.12	3945	6.26	**414**	157	0.25	9403	14.92	**461**	265	0.42	19647	31.16
368	77	0.12	4022	6.38	**415**	165	0.26	9568	15.18	**462**	265	0.42	19912	31.59
369	75	0.12	4097	6.50	**416**	174	0.28	9742	15.45	**463**	264	0.42	20176	32.00
370	96	0.15	4193	6.65	**417**	164	0.26	9906	15.71	**464**	281	0.45	20457	32.45
371	81	0.13	4274	6.78	**418**	182	0.29	10088	16.00	**465**	282	0.45	20739	32.90
372	78	0.12	4352	6.90	**419**	170	0.27	10258	16.27	**466**	278	0.44	21017	33.34
373	76	0.12	4428	7.02	**420**	154	0.24	10412	16.52	**467**	284	0.45	21301	33.79
374	105	0.17	4533	7.19	**421**	177	0.28	10589	16.80	**468**	312	0.49	21613	34.28
375	79	0.13	4612	7.32	**422**	187	0.30	10776	17.09	**469**	290	0.46	21903	34.74

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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 %
470	265	0.42	22168	35.16	**517**	350	0.56	37351	59.25	**564**	270	0.43	51420	81.56
471	308	0.49	22476	35.65	**518**	319	0.51	37670	59.75	**565**	241	0.38	51661	81.95
472	287	0.46	22763	36.11	**519**	325	0.52	37995	60.27	**566**	260	0.41	51921	82.36
473	289	0.46	23052	36.57	**520**	327	0.52	38322	60.79	**567**	236	0.37	52157	82.73
474	332	0.53	23384	37.09	**521**	340	0.54	38662	61.33	**568**	222	0.35	52379	83.09
475	304	0.48	23688	37.57	**522**	325	0.52	38987	61.84	**569**	225	0.36	52604	83.44
476	310	0.49	23998	38.07	**523**	336	0.53	39323	62.38	**570**	211	0.33	52815	83.78
477	314	0.50	24312	38.56	**524**	320	0.51	39643	62.88	**571**	218	0.35	53033	84.12
478	289	0.46	24601	39.02	**525**	348	0.55	39991	63.44	**572**	231	0.37	53264	84.49
479	280	0.44	24881	39.47	**526**	331	0.53	40322	63.96	**573**	245	0.39	53509	84.88
480	318	0.50	25199	39.97	**527**	324	0.51	40646	64.47	**574**	223	0.35	53732	85.23
481	326	0.52	25525	40.49	**528**	337	0.53	40983	65.01	**575**	216	0.34	53948	85.57
482	320	0.51	25845	41.00	**529**	317	0.50	41300	65.51	**576**	231	0.37	54179	85.94
483	316	0.50	26161	41.50	**530**	318	0.50	41618	66.02	**577**	198	0.31	54377	86.26
484	291	0.46	26452	41.96	**531**	315	0.50	41933	66.52	**578**	181	0.29	54558	86.54
485	311	0.49	26763	42.45	**532**	310	0.49	42243	67.01	**579**	188	0.30	54746	86.84
486	310	0.49	27073	42.94	**533**	318	0.50	42561	67.51	**580**	206	0.33	54952	87.17
487	326	0.52	27399	43.46	**534**	298	0.47	42859	67.98	**581**	196	0.31	55148	87.48
488	346	0.55	27745	44.01	**535**	318	0.50	43177	68.49	**582**	193	0.31	55341	87.78
489	303	0.48	28048	44.49	**536**	322	0.51	43499	69.00	**583**	207	0.33	55548	88.11
490	295	0.47	28343	44.96	**537**	319	0.51	43818	69.51	**584**	166	0.26	55714	88.38
491	316	0.50	28659	45.46	**538**	298	0.47	44116	69.98	**585**	187	0.30	55901	88.67
492	338	0.54	28997	46.00	**539**	292	0.46	44408	70.44	**586**	172	0.27	56073	88.95
493	309	0.49	29306	46.49	**540**	288	0.46	44696	70.90	**587**	180	0.29	56253	89.23
494	343	0.54	29649	47.03	**541**	295	0.47	44991	71.37	**588**	158	0.25	56411	89.48
495	324	0.51	29973	47.54	**542**	298	0.47	45289	71.84	**589**	172	0.27	56583	89.75
496	328	0.52	30301	48.06	**543**	291	0.46	45580	72.30	**590**	149	0.24	56732	89.99
497	331	0.53	30632	48.59	**544**	287	0.46	45867	72.76	**591**	164	0.26	56896	90.25
498	335	0.53	30967	49.12	**545**	305	0.48	46172	73.24	**592**	158	0.25	57054	90.50
499	301	0.48	31268	49.60	**546**	319	0.51	46491	73.75	**593**	162	0.26	57216	90.76
500	308	0.49	31576	50.09	**547**	291	0.46	46782	74.21	**594**	170	0.27	57386	91.03
501	322	0.51	31898	50.60	**548**	304	0.48	47086	74.69	**595**	160	0.25	57546	91.28
502	342	0.54	32240	51.14	**549**	301	0.48	47387	75.17	**596**	147	0.23	57693	91.52
503	358	0.57	32598	51.71	**550**	300	0.48	47687	75.64	**597**	133	0.21	57826	91.73
504	327	0.52	32925	52.23	**551**	281	0.45	47968	76.09	**598**	135	0.21	57961	91.94
505	330	0.52	33255	52.75	**552**	305	0.48	48273	76.57	**599**	126	0.20	58087	92.14
506	343	0.54	33598	53.29	**553**	307	0.49	48580	77.06	**600**	111	0.18	58198	92.32
507	330	0.52	33928	53.82	**554**	237	0.38	48817	77.44	**601**	132	0.21	58330	92.53
508	334	0.53	34262	54.35	**555**	266	0.42	49083	77.86	**602**	125	0.20	58455	92.72
509	325	0.52	34587	54.86	**556**	254	0.40	49337	78.26	**603**	139	0.22	58594	92.94
510	343	0.54	34930	55.41	**557**	262	0.42	49599	78.68	**604**	108	0.17	58702	93.12
511	357	0.57	35287	55.97	**558**	279	0.44	49878	79.12	**605**	131	0.21	58833	93.32
512	307	0.49	35594	56.46	**559**	293	0.46	50171	79.58	**606**	111	0.18	58944	93.50
513	332	0.53	35926	56.99	**560**	248	0.39	50419	79.98	**607**	97	0.15	59041	93.65
514	355	0.56	36281	57.55	**561**	255	0.40	50674	80.38	**608**	114	0.18	59155	93.83
515	375	0.59	36656	58.15	**562**	232	0.37	50906	80.75	**609**	98	0.16	59253	93.99
516	345	0.55	37001	58.69	**563**	244	0.39	51150	81.14	**610**	133	0.21	59386	94.20

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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 %
611	91	0.14	59477	94.35	**658**	22	0.03	62137	98.56	**707**	3	0.00	62761	99.55
612	100	0.16	59577	94.50	**659**	18	0.03	62155	98.59	**708**	3	0.00	62764	99.56
613	98	0.16	59675	94.66	**660**	24	0.04	62179	98.63	**709**	2	0.00	62766	99.56
614	96	0.15	59771	94.81	**661**	27	0.04	62206	98.67	**710**	2	0.00	62768	99.57
615	82	0.13	59853	94.94	**662**	33	0.05	62239	98.73	**711**	8	0.01	62776	99.58
616	101	0.16	59954	95.10	**663**	23	0.04	62262	98.76	**712**	5	0.01	62781	99.59
617	109	0.17	60063	95.27	**664**	18	0.03	62280	98.79	**713**	2	0.00	62783	99.59
618	74	0.12	60137	95.39	**665**	15	0.02	62295	98.82	**714**	4	0.01	62787	99.60
619	85	0.13	60222	95.53	**666**	24	0.04	62319	98.85	**715**	1	0.00	62788	99.60
620	69	0.11	60291	95.64	**667**	18	0.03	62337	98.88	**718**	2	0.00	62790	99.60
621	88	0.14	60379	95.78	**668**	14	0.02	62351	98.90	**719**	8	0.01	62798	99.61
622	84	0.13	60463	95.91	**669**	21	0.03	62372	98.94	**720**	5	0.01	62803	99.62
623	85	0.13	60548	96.04	**670**	18	0.03	62390	98.97	**722**	24	0.04	62827	99.66
624	79	0.13	60627	96.17	**671**	14	0.02	62404	98.99	**723**	6	0.01	62833	99.67
625	69	0.11	60696	96.28	**672**	17	0.03	62421	99.01	**724**	1	0.00	62834	99.67
626	82	0.13	60778	96.41	**673**	17	0.03	62438	99.04	**727**	10	0.02	62844	99.69
627	67	0.11	60845	96.52	**674**	10	0.02	62448	99.06	**728**	3	0.00	62847	99.69
628	83	0.13	60928	96.65	**675**	19	0.03	62467	99.09	**729**	28	0.04	62875	99.74
629	64	0.10	60992	96.75	**676**	11	0.02	62478	99.11	**732**	17	0.03	62892	99.76
630	60	0.10	61052	96.84	**677**	12	0.02	62490	99.12	**734**	4	0.01	62896	99.77
631	65	0.10	61117	96.95	**678**	18	0.03	62508	99.15	**736**	4	0.01	62900	99.77
632	57	0.09	61174	97.04	**679**	3	0.00	62511	99.16	**745**	5	0.01	62905	99.78
633	46	0.07	61220	97.11	**680**	9	0.01	62520	99.17	**747**	25	0.04	62930	99.82
634	59	0.09	61279	97.20	**681**	19	0.03	62539	99.20	**758**	5	0.01	62935	99.83
635	47	0.07	61326	97.28	**682**	10	0.02	62549	99.22	**764**	2	0.00	62937	99.83
636	45	0.07	61371	97.35	**683**	5	0.01	62554	99.23	**767**	32	0.05	62969	99.88
637	62	0.10	61433	97.45	**684**	15	0.02	62569	99.25	**780**	73	0.12	63042	100.00
638	42	0.07	61475	97.51	**685**	29	0.05	62598	99.30					
639	38	0.06	61513	97.57	**686**	7	0.01	62605	99.31					
640	49	0.08	61562	97.65	**687**	13	0.02	62618	99.33					
641	50	0.08	61612	97.73	**688**	15	0.02	62633	99.35					
642	37	0.06	61649	97.79	**689**	8	0.01	62641	99.36					
643	32	0.05	61681	97.84	**690**	3	0.00	62644	99.37					
644	43	0.07	61724	97.91	**691**	7	0.01	62651	99.38					
645	48	0.08	61772	97.99	**692**	25	0.04	62676	99.42					
646	37	0.06	61809	98.04	**693**	5	0.01	62681	99.43					
647	38	0.06	61847	98.10	**694**	6	0.01	62687	99.44					
648	33	0.05	61880	98.16	**695**	25	0.04	62712	99.48					
649	36	0.06	61916	98.21	**696**	5	0.01	62717	99.48					
650	32	0.05	61948	98.26	**698**	6	0.01	62723	99.49					
651	34	0.05	61982	98.32	**699**	14	0.02	62737	99.52					
652	23	0.04	62005	98.36	**700**	2	0.00	62739	99.52					
653	29	0.05	62034	98.40	**701**	2	0.00	62741	99.52					
654	19	0.03	62053	98.43	**702**	3	0.00	62744	99.53					
655	19	0.03	62072	98.46	**703**	9	0.01	62753	99.54					
656	24	0.04	62096	98.50	**705**	1	0.00	62754	99.54					
657	19	0.03	62115	98.53	**706**	4	0.01	62758	99.55					

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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	416	0.67	416	0.67	**369**	1	0.00	519	0.83	**416**	6	0.01	851	1.37
228	1	0.00	417	0.67	**370**	6	0.01	525	0.84	**417**	12	0.02	863	1.38
232	1	0.00	418	0.67	**371**	2	0.00	527	0.85	**418**	10	0.02	873	1.40
246	1	0.00	419	0.67	**372**	5	0.01	532	0.85	**419**	10	0.02	883	1.42
253	1	0.00	420	0.67	**373**	2	0.00	534	0.86	**420**	18	0.03	901	1.45
275	1	0.00	421	0.68	**374**	2	0.00	536	0.86	**421**	7	0.01	908	1.46
276	1	0.00	422	0.68	**375**	5	0.01	541	0.87	**422**	11	0.02	919	1.47
281	1	0.00	423	0.68	**376**	6	0.01	547	0.88	**423**	16	0.03	935	1.50
293	1	0.00	424	0.68	**377**	5	0.01	552	0.89	**424**	19	0.03	954	1.53
310	1	0.00	425	0.68	**378**	4	0.01	556	0.89	**425**	16	0.03	970	1.56
315	1	0.00	426	0.68	**379**	7	0.01	563	0.90	**426**	21	0.03	991	1.59
316	1	0.00	427	0.69	**380**	5	0.01	568	0.91	**427**	9	0.01	1000	1.60
320	2	0.00	429	0.69	**381**	3	0.00	571	0.92	**428**	12	0.02	1012	1.62
324	2	0.00	431	0.69	**382**	2	0.00	573	0.92	**429**	17	0.03	1029	1.65
325	1	0.00	432	0.69	**383**	4	0.01	577	0.93	**430**	10	0.02	1039	1.67
326	1	0.00	433	0.69	**384**	3	0.00	580	0.93	**431**	19	0.03	1058	1.70
327	2	0.00	435	0.70	**385**	5	0.01	585	0.94	**432**	17	0.03	1075	1.72
329	1	0.00	436	0.70	**386**	4	0.01	589	0.95	**433**	11	0.02	1086	1.74
331	2	0.00	438	0.70	**387**	7	0.01	596	0.96	**434**	12	0.02	1098	1.76
332	1	0.00	439	0.70	**388**	2	0.00	598	0.96	**435**	12	0.02	1110	1.78
334	1	0.00	440	0.71	**389**	8	0.01	606	0.97	**436**	17	0.03	1127	1.81
335	1	0.00	441	0.71	**390**	6	0.01	612	0.98	**437**	18	0.03	1145	1.84
336	2	0.00	443	0.71	**391**	6	0.01	618	0.99	**438**	15	0.02	1160	1.86
339	2	0.00	445	0.71	**392**	12	0.02	630	1.01	**439**	20	0.03	1180	1.89
340	1	0.00	446	0.72	**393**	10	0.02	640	1.03	**440**	25	0.04	1205	1.93
341	1	0.00	447	0.72	**394**	8	0.01	648	1.04	**441**	31	0.05	1236	1.98
342	1	0.00	448	0.72	**395**	8	0.01	656	1.05	**442**	13	0.02	1249	2.00
345	3	0.00	451	0.72	**396**	7	0.01	663	1.06	**443**	25	0.04	1274	2.04
346	1	0.00	452	0.73	**397**	10	0.02	673	1.08	**444**	22	0.04	1296	2.08
349	1	0.00	453	0.73	**398**	5	0.01	678	1.09	**445**	21	0.03	1317	2.11
350	2	0.00	455	0.73	**399**	5	0.01	683	1.10	**446**	20	0.03	1337	2.15
351	2	0.00	457	0.73	**400**	15	0.02	698	1.12	**447**	24	0.04	1361	2.18
352	4	0.01	461	0.74	**401**	10	0.02	708	1.14	**448**	33	0.05	1394	2.24
353	3	0.00	464	0.74	**402**	12	0.02	720	1.16	**449**	29	0.05	1423	2.28
354	4	0.01	468	0.75	**403**	3	0.00	723	1.16	**450**	27	0.04	1450	2.33
355	11	0.02	479	0.77	**404**	5	0.01	728	1.17	**451**	19	0.03	1469	2.36
356	2	0.00	481	0.77	**405**	6	0.01	734	1.18	**452**	21	0.03	1490	2.39
357	2	0.00	483	0.77	**406**	10	0.02	744	1.19	**453**	31	0.05	1521	2.44
358	2	0.00	485	0.78	**407**	9	0.01	753	1.21	**454**	36	0.06	1557	2.50
361	5	0.01	490	0.79	**408**	13	0.02	766	1.23	**455**	32	0.05	1589	2.55
362	2	0.00	492	0.79	**409**	10	0.02	776	1.25	**456**	34	0.05	1623	2.60
363	2	0.00	494	0.79	**410**	12	0.02	788	1.26	**457**	21	0.03	1644	2.64
364	4	0.01	498	0.80	**411**	10	0.02	798	1.28	**458**	27	0.04	1671	2.68
365	7	0.01	505	0.81	**412**	11	0.02	809	1.30	**459**	32	0.05	1703	2.73
366	6	0.01	511	0.82	**413**	12	0.02	821	1.32	**460**	28	0.04	1731	2.78
367	2	0.00	513	0.82	**414**	13	0.02	834	1.34	**461**	34	0.05	1765	2.83
368	5	0.01	518	0.83	**415**	11	0.02	845	1.36	**462**	33	0.05	1798	2.88

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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 %
463	27	0.04	1825	2.93	**510**	82	0.13	4281	6.87	**557**	208	0.33	10679	17.13
464	33	0.05	1858	2.98	**511**	83	0.13	4364	7.00	**558**	225	0.36	10904	17.49
465	30	0.05	1888	3.03	**512**	82	0.13	4446	7.13	**559**	216	0.35	11120	17.84
466	33	0.05	1921	3.08	**513**	98	0.16	4544	7.29	**560**	222	0.36	11342	18.20
467	36	0.06	1957	3.14	**514**	97	0.16	4641	7.45	**561**	227	0.36	11569	18.56
468	37	0.06	1994	3.20	**515**	89	0.14	4730	7.59	**562**	209	0.34	11778	18.90
469	39	0.06	2033	3.26	**516**	90	0.14	4820	7.73	**563**	223	0.36	12001	19.25
470	43	0.07	2076	3.33	**517**	83	0.13	4903	7.87	**564**	227	0.36	12228	19.62
471	38	0.06	2114	3.39	**518**	95	0.15	4998	8.02	**565**	252	0.40	12480	20.02
472	48	0.08	2162	3.47	**519**	100	0.16	5098	8.18	**566**	237	0.38	12717	20.40
473	32	0.05	2194	3.52	**520**	117	0.19	5215	8.37	**567**	228	0.37	12945	20.77
474	39	0.06	2233	3.58	**521**	108	0.17	5323	8.54	**568**	272	0.44	13217	21.21
475	44	0.07	2277	3.65	**522**	94	0.15	5417	8.69	**569**	261	0.42	13478	21.62
476	50	0.08	2327	3.73	**523**	79	0.13	5496	8.82	**570**	276	0.44	13754	22.07
477	52	0.08	2379	3.82	**524**	103	0.17	5599	8.98	**571**	258	0.41	14012	22.48
478	31	0.05	2410	3.87	**525**	113	0.18	5712	9.16	**572**	267	0.43	14279	22.91
479	51	0.08	2461	3.95	**526**	107	0.17	5819	9.34	**573**	321	0.52	14600	23.42
480	43	0.07	2504	4.02	**527**	123	0.20	5942	9.53	**574**	267	0.43	14867	23.85
481	34	0.05	2538	4.07	**528**	119	0.19	6061	9.72	**575**	250	0.40	15117	24.25
482	55	0.09	2593	4.16	**529**	112	0.18	6173	9.90	**576**	286	0.46	15403	24.71
483	38	0.06	2631	4.22	**530**	121	0.19	6294	10.10	**577**	296	0.47	15699	25.19
484	52	0.08	2683	4.30	**531**	133	0.21	6427	10.31	**578**	271	0.43	15970	25.62
485	53	0.09	2736	4.39	**532**	134	0.21	6561	10.53	**579**	287	0.46	16257	26.08
486	47	0.08	2783	4.47	**533**	152	0.24	6713	10.77	**580**	278	0.45	16535	26.53
487	47	0.08	2830	4.54	**534**	127	0.20	6840	10.97	**581**	290	0.47	16825	26.99
488	49	0.08	2879	4.62	**535**	127	0.20	6967	11.18	**582**	341	0.55	17166	27.54
489	48	0.08	2927	4.70	**536**	131	0.21	7098	11.39	**583**	312	0.50	17478	28.04
490	55	0.09	2982	4.78	**537**	144	0.23	7242	11.62	**584**	297	0.48	17775	28.52
491	63	0.10	3045	4.89	**538**	145	0.23	7387	11.85	**585**	330	0.53	18105	29.05
492	62	0.10	3107	4.98	**539**	137	0.22	7524	12.07	**586**	342	0.55	18447	29.60
493	64	0.10	3171	5.09	**540**	141	0.23	7665	12.30	**587**	309	0.50	18756	30.09
494	55	0.09	3226	5.18	**541**	143	0.23	7808	12.53	**588**	333	0.53	19089	30.63
495	47	0.08	3273	5.25	**542**	150	0.24	7958	12.77	**589**	332	0.53	19421	31.16
496	66	0.11	3339	5.36	**543**	149	0.24	8107	13.01	**590**	324	0.52	19745	31.68
497	55	0.09	3394	5.45	**544**	185	0.30	8292	13.30	**591**	320	0.51	20065	32.19
498	60	0.10	3454	5.54	**545**	152	0.24	8444	13.55	**592**	342	0.55	20407	32.74
499	56	0.09	3510	5.63	**546**	182	0.29	8626	13.84	**593**	334	0.54	20741	33.28
500	65	0.10	3575	5.74	**547**	175	0.28	8801	14.12	**594**	362	0.58	21103	33.86
501	76	0.12	3651	5.86	**548**	177	0.28	8978	14.40	**595**	330	0.53	21433	34.39
502	62	0.10	3713	5.96	**549**	182	0.29	9160	14.70	**596**	351	0.56	21784	34.95
503	77	0.12	3790	6.08	**550**	154	0.25	9314	14.94	**597**	371	0.60	22155	35.55
504	79	0.13	3869	6.21	**551**	174	0.28	9488	15.22	**598**	383	0.61	22538	36.16
505	72	0.12	3941	6.32	**552**	186	0.30	9674	15.52	**599**	384	0.62	22922	36.78
506	70	0.11	4011	6.44	**553**	196	0.31	9870	15.84	**600**	416	0.67	23338	37.44
507	64	0.10	4075	6.54	**554**	179	0.29	10049	16.12	**601**	379	0.61	23717	38.05
508	58	0.09	4133	6.63	**555**	213	0.34	10262	16.46	**602**	391	0.63	24108	38.68
509	66	0.11	4199	6.74	**556**	209	0.34	10471	16.80	**603**	377	0.60	24485	39.28

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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 %
604	410	0.66	24895	39.94	**651**	434	0.70	45016	72.23	**698**	185	0.30	58712	94.20
605	445	0.71	25340	40.66	**652**	433	0.69	45449	72.92	**699**	138	0.22	58850	94.42
606	408	0.65	25748	41.31	**653**	417	0.67	45866	73.59	**700**	177	0.28	59027	94.71
607	372	0.60	26120	41.91	**654**	421	0.68	46287	74.26	**701**	151	0.24	59178	94.95
608	386	0.62	26506	42.53	**655**	397	0.64	46684	74.90	**702**	134	0.21	59312	95.16
609	398	0.64	26904	43.17	**656**	386	0.62	47070	75.52	**703**	116	0.19	59428	95.35
610	408	0.65	27312	43.82	**657**	374	0.60	47444	76.12	**704**	148	0.24	59576	95.59
611	401	0.64	27713	44.46	**658**	402	0.64	47846	76.77	**705**	154	0.25	59730	95.83
612	389	0.62	28102	45.09	**659**	383	0.61	48229	77.38	**706**	111	0.18	59841	96.01
613	388	0.62	28490	45.71	**660**	410	0.66	48639	78.04	**707**	107	0.17	59948	96.18
614	387	0.62	28877	46.33	**661**	356	0.57	48995	78.61	**708**	113	0.18	60061	96.36
615	418	0.67	29295	47.00	**662**	366	0.59	49361	79.20	**709**	111	0.18	60172	96.54
616	389	0.62	29684	47.63	**663**	380	0.61	49741	79.81	**710**	113	0.18	60285	96.72
617	387	0.62	30071	48.25	**664**	361	0.58	50102	80.39	**711**	111	0.18	60396	96.90
618	421	0.68	30492	48.92	**665**	375	0.60	50477	80.99	**712**	87	0.14	60483	97.04
619	455	0.73	30947	49.65	**666**	325	0.52	50802	81.51	**713**	84	0.13	60567	97.18
620	444	0.71	31391	50.37	**667**	288	0.46	51090	81.97	**714**	97	0.16	60664	97.33
621	444	0.71	31835	51.08	**668**	335	0.54	51425	82.51	**715**	79	0.13	60743	97.46
622	442	0.71	32277	51.79	**669**	316	0.51	51741	83.02	**716**	89	0.14	60832	97.60
623	424	0.68	32701	52.47	**670**	287	0.46	52028	83.48	**717**	85	0.14	60917	97.74
624	480	0.77	33181	53.24	**671**	332	0.53	52360	84.01	**718**	83	0.13	61000	97.87
625	427	0.69	33608	53.92	**672**	304	0.49	52664	84.50	**719**	71	0.11	61071	97.98
626	435	0.70	34043	54.62	**673**	293	0.47	52957	84.97	**720**	64	0.10	61135	98.09
627	470	0.75	34513	55.37	**674**	301	0.48	53258	85.45	**721**	64	0.10	61199	98.19
628	456	0.73	34969	56.11	**675**	279	0.45	53537	85.90	**722**	60	0.10	61259	98.29
629	415	0.67	35384	56.77	**676**	259	0.42	53796	86.31	**723**	58	0.09	61317	98.38
630	437	0.70	35821	57.47	**677**	299	0.48	54095	86.79	**724**	43	0.07	61360	98.45
631	463	0.74	36284	58.22	**678**	264	0.42	54359	87.22	**725**	41	0.07	61401	98.51
632	487	0.78	36771	59.00	**679**	253	0.41	54612	87.62	**726**	34	0.05	61435	98.57
633	425	0.68	37196	59.68	**680**	260	0.42	54872	88.04	**727**	50	0.08	61485	98.65
634	452	0.73	37648	60.40	**681**	259	0.42	55131	88.45	**728**	50	0.08	61535	98.73
635	476	0.76	38124	61.17	**682**	231	0.37	55362	88.83	**729**	38	0.06	61573	98.79
636	456	0.73	38580	61.90	**683**	258	0.41	55620	89.24	**730**	42	0.07	61615	98.86
637	422	0.68	39002	62.58	**684**	250	0.40	55870	89.64	**731**	40	0.06	61655	98.92
638	440	0.71	39442	63.28	**685**	219	0.35	56089	89.99	**732**	42	0.07	61697	98.99
639	417	0.67	39859	63.95	**686**	230	0.37	56319	90.36	**733**	37	0.06	61734	99.05
640	421	0.68	40280	64.63	**687**	246	0.39	56565	90.76	**734**	41	0.07	61775	99.11
641	469	0.75	40749	65.38	**688**	216	0.35	56781	91.10	**735**	27	0.04	61802	99.16
642	424	0.68	41173	66.06	**689**	219	0.35	57000	91.45	**736**	30	0.05	61832	99.21
643	445	0.71	41618	66.77	**690**	208	0.33	57208	91.79	**737**	29	0.05	61861	99.25
644	384	0.62	42002	67.39	**691**	216	0.35	57424	92.13	**738**	17	0.03	61878	99.28
645	439	0.70	42441	68.09	**692**	219	0.35	57643	92.48	**739**	35	0.06	61913	99.34
646	443	0.71	42884	68.80	**693**	179	0.29	57822	92.77	**740**	25	0.04	61938	99.38
647	420	0.67	43304	69.48	**694**	187	0.30	58009	93.07	**741**	23	0.04	61961	99.41
648	432	0.69	43736	70.17	**695**	165	0.26	58174	93.34	**742**	23	0.04	61984	99.45
649	404	0.65	44140	70.82	**696**	191	0.31	58365	93.64	**743**	19	0.03	62003	99.48
650	442	0.71	44582	71.53	**697**	162	0.26	58527	93.90	**744**	19	0.03	62022	99.51

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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 %
745	22	0.04	62044	99.55	**793**	3	0.00	62315	99.98
746	12	0.02	62056	99.57	**794**	2	0.00	62317	99.98
747	11	0.02	62067	99.58	**795**	1	0.00	62318	99.99
748	16	0.03	62083	99.61	**796**	2	0.00	62320	99.99
749	13	0.02	62096	99.63	**799**	2	0.00	62322	99.99
750	10	0.02	62106	99.65	**800**	1	0.00	62323	99.99
751	19	0.03	62125	99.68	**802**	1	0.00	62324	100.00
752	10	0.02	62135	99.69	**803**	1	0.00	62325	100.00
753	9	0.01	62144	99.71	**805**	1	0.00	62326	100.00
754	5	0.01	62149	99.71	**836**	1	0.00	62327	100.00
755	12	0.02	62161	99.73					
756	9	0.01	62170	99.75					
757	9	0.01	62179	99.76					
758	12	0.02	62191	99.78					
759	6	0.01	62197	99.79					
760	7	0.01	62204	99.80					
761	5	0.01	62209	99.81					
762	5	0.01	62214	99.82					
763	6	0.01	62220	99.83					
764	4	0.01	62224	99.83					
765	10	0.02	62234	99.85					
766	10	0.02	62244	99.87					
767	3	0.00	62247	99.87					
768	5	0.01	62252	99.88					
769	7	0.01	62259	99.89					
770	3	0.00	62262	99.90					
771	2	0.00	62264	99.90					
772	4	0.01	62268	99.91					
773	2	0.00	62270	99.91					
774	5	0.01	62275	99.92					
775	1	0.00	62276	99.92					
776	3	0.00	62279	99.92					
777	2	0.00	62281	99.93					
778	4	0.01	62285	99.93					
779	3	0.00	62288	99.94					
780	1	0.00	62289	99.94					
781	4	0.01	62293	99.95					
782	5	0.01	62298	99.95					
783	2	0.00	62300	99.96					
784	2	0.00	62302	99.96					
785	1	0.00	62303	99.96					
786	2	0.00	62305	99.96					
788	1	0.00	62306	99.97					
789	1	0.00	62307	99.97					
790	2	0.00	62309	99.97					
791	2	0.00	62311	99.97					
792	1	0.00	62312	99.98					

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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	11	0.02	11	0.02	**302**	1	0.00	112	0.18	**349**	7	0.01	379	0.61
221	1	0.00	12	0.02	**303**	3	0.00	115	0.18	**350**	8	0.01	387	0.62
229	1	0.00	13	0.02	**304**	2	0.00	117	0.19	**351**	4	0.01	391	0.63
232	2	0.00	15	0.02	**305**	1	0.00	118	0.19	**352**	12	0.02	403	0.64
233	1	0.00	16	0.03	**306**	1	0.00	119	0.19	**353**	7	0.01	410	0.66
234	1	0.00	17	0.03	**307**	2	0.00	121	0.19	**354**	8	0.01	418	0.67
238	1	0.00	18	0.03	**308**	8	0.01	129	0.21	**355**	9	0.01	427	0.68
240	3	0.00	21	0.03	**309**	3	0.00	132	0.21	**356**	12	0.02	439	0.70
241	2	0.00	23	0.04	**310**	1	0.00	133	0.21	**357**	20	0.03	459	0.73
242	1	0.00	24	0.04	**311**	4	0.01	137	0.22	**358**	14	0.02	473	0.76
243	5	0.01	29	0.05	**312**	4	0.01	141	0.23	**359**	6	0.01	479	0.77
245	1	0.00	30	0.05	**313**	8	0.01	149	0.24	**360**	14	0.02	493	0.79
246	1	0.00	31	0.05	**314**	7	0.01	156	0.25	**361**	11	0.02	504	0.81
248	3	0.00	34	0.05	**315**	4	0.01	160	0.26	**362**	21	0.03	525	0.84
250	1	0.00	35	0.06	**316**	3	0.00	163	0.26	**363**	19	0.03	544	0.87
254	1	0.00	36	0.06	**317**	3	0.00	166	0.27	**364**	22	0.04	566	0.91
255	1	0.00	37	0.06	**318**	4	0.01	170	0.27	**365**	12	0.02	578	0.92
257	1	0.00	38	0.06	**319**	4	0.01	174	0.28	**366**	19	0.03	597	0.95
261	1	0.00	39	0.06	**320**	9	0.01	183	0.29	**367**	21	0.03	618	0.99
266	2	0.00	41	0.07	**321**	6	0.01	189	0.30	**368**	25	0.04	643	1.03
267	1	0.00	42	0.07	**322**	3	0.00	192	0.31	**369**	17	0.03	660	1.06
272	2	0.00	44	0.07	**323**	4	0.01	196	0.31	**370**	27	0.04	687	1.10
273	2	0.00	46	0.07	**324**	3	0.00	199	0.32	**371**	21	0.03	708	1.13
274	1	0.00	47	0.08	**325**	3	0.00	202	0.32	**372**	25	0.04	733	1.17
275	1	0.00	48	0.08	**326**	2	0.00	204	0.33	**373**	21	0.03	754	1.21
276	1	0.00	49	0.08	**327**	2	0.00	206	0.33	**374**	32	0.05	786	1.26
277	3	0.00	52	0.08	**328**	2	0.00	208	0.33	**375**	23	0.04	809	1.29
278	4	0.01	56	0.09	**329**	7	0.01	215	0.34	**376**	30	0.05	839	1.34
279	2	0.00	58	0.09	**330**	5	0.01	220	0.35	**377**	34	0.05	873	1.40
280	3	0.00	61	0.10	**331**	5	0.01	225	0.36	**378**	30	0.05	903	1.44
283	4	0.01	65	0.10	**332**	5	0.01	230	0.37	**379**	27	0.04	930	1.49
284	2	0.00	67	0.11	**333**	2	0.00	232	0.37	**380**	41	0.07	971	1.55
285	2	0.00	69	0.11	**334**	9	0.01	241	0.39	**381**	34	0.05	1005	1.61
286	1	0.00	70	0.11	**335**	8	0.01	249	0.40	**382**	27	0.04	1032	1.65
287	2	0.00	72	0.12	**336**	10	0.02	259	0.41	**383**	37	0.06	1069	1.71
288	4	0.01	76	0.12	**337**	7	0.01	266	0.43	**384**	41	0.07	1110	1.77
289	3	0.00	79	0.13	**338**	8	0.01	274	0.44	**385**	45	0.07	1155	1.85
290	2	0.00	81	0.13	**339**	6	0.01	280	0.45	**386**	41	0.07	1196	1.91
291	3	0.00	84	0.13	**340**	7	0.01	287	0.46	**387**	44	0.07	1240	1.98
294	2	0.00	86	0.14	**341**	8	0.01	295	0.47	**388**	27	0.04	1267	2.03
295	1	0.00	87	0.14	**342**	9	0.01	304	0.49	**389**	47	0.08	1314	2.10
296	6	0.01	93	0.15	**343**	8	0.01	312	0.50	**390**	43	0.07	1357	2.17
297	5	0.01	98	0.16	**344**	9	0.01	321	0.51	**391**	47	0.08	1404	2.25
298	1	0.00	99	0.16	**345**	11	0.02	332	0.53	**392**	38	0.06	1442	2.31
299	3	0.00	102	0.16	**346**	12	0.02	344	0.55	**393**	36	0.06	1478	2.36
300	7	0.01	109	0.17	**347**	10	0.02	354	0.57	**394**	55	0.09	1533	2.45
301	2	0.00	111	0.18	**348**	18	0.03	372	0.59	**395**	58	0.09	1591	2.54

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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 %
396	59	0.09	1650	2.64	**443**	207	0.33	7448	11.91	**490**	452	0.72	22775	36.42
397	49	0.08	1699	2.72	**444**	179	0.29	7627	12.20	**491**	418	0.67	23193	37.09
398	55	0.09	1754	2.80	**445**	214	0.34	7841	12.54	**492**	468	0.75	23661	37.84
399	57	0.09	1811	2.90	**446**	248	0.40	8089	12.93	**493**	408	0.65	24069	38.49
400	70	0.11	1881	3.01	**447**	226	0.36	8315	13.30	**494**	488	0.78	24557	39.27
401	60	0.10	1941	3.10	**448**	243	0.39	8558	13.68	**495**	432	0.69	24989	39.96
402	54	0.09	1995	3.19	**449**	234	0.37	8792	14.06	**496**	430	0.69	25419	40.65
403	71	0.11	2066	3.30	**450**	217	0.35	9009	14.41	**497**	428	0.68	25847	41.33
404	67	0.11	2133	3.41	**451**	252	0.40	9261	14.81	**498**	464	0.74	26311	42.07
405	94	0.15	2227	3.56	**452**	227	0.36	9488	15.17	**499**	466	0.75	26777	42.82
406	73	0.12	2300	3.68	**453**	269	0.43	9757	15.60	**500**	493	0.79	27270	43.61
407	68	0.11	2368	3.79	**454**	257	0.41	10014	16.01	**501**	487	0.78	27757	44.39
408	73	0.12	2441	3.90	**455**	287	0.46	10301	16.47	**502**	442	0.71	28199	45.09
409	67	0.11	2508	4.01	**456**	271	0.43	10572	16.91	**503**	479	0.77	28678	45.86
410	78	0.12	2586	4.14	**457**	282	0.45	10854	17.36	**504**	465	0.74	29143	46.60
411	87	0.14	2673	4.27	**458**	291	0.47	11145	17.82	**505**	483	0.77	29626	47.37
412	104	0.17	2777	4.44	**459**	289	0.46	11434	18.28	**506**	480	0.77	30106	48.14
413	104	0.17	2881	4.61	**460**	292	0.47	11726	18.75	**507**	511	0.82	30617	48.96
414	102	0.16	2983	4.77	**461**	322	0.51	12048	19.27	**508**	457	0.73	31074	49.69
415	92	0.15	3075	4.92	**462**	299	0.48	12347	19.74	**509**	454	0.73	31528	50.42
416	90	0.14	3165	5.06	**463**	284	0.45	12631	20.20	**510**	455	0.73	31983	51.14
417	92	0.15	3257	5.21	**464**	321	0.51	12952	20.71	**511**	469	0.75	32452	51.89
418	129	0.21	3386	5.41	**465**	304	0.49	13256	21.20	**512**	457	0.73	32909	52.62
419	102	0.16	3488	5.58	**466**	290	0.46	13546	21.66	**513**	470	0.75	33379	53.38
420	108	0.17	3596	5.75	**467**	364	0.58	13910	22.24	**514**	438	0.70	33817	54.08
421	129	0.21	3725	5.96	**468**	322	0.51	14232	22.76	**515**	458	0.73	34275	54.81
422	134	0.21	3859	6.17	**469**	364	0.58	14596	23.34	**516**	448	0.72	34723	55.52
423	137	0.22	3996	6.39	**470**	361	0.58	14957	23.92	**517**	481	0.77	35204	56.29
424	143	0.23	4139	6.62	**471**	369	0.59	15326	24.51	**518**	475	0.76	35679	57.05
425	121	0.19	4260	6.81	**472**	348	0.56	15674	25.06	**519**	487	0.78	36166	57.83
426	140	0.22	4400	7.04	**473**	360	0.58	16034	25.64	**520**	471	0.75	36637	58.59
427	150	0.24	4550	7.28	**474**	364	0.58	16398	26.22	**521**	445	0.71	37082	59.30
428	142	0.23	4692	7.50	**475**	384	0.61	16782	26.84	**522**	456	0.73	37538	60.03
429	140	0.22	4832	7.73	**476**	367	0.59	17149	27.42	**523**	478	0.76	38016	60.79
430	158	0.25	4990	7.98	**477**	407	0.65	17556	28.07	**524**	449	0.72	38465	61.51
431	158	0.25	5148	8.23	**478**	371	0.59	17927	28.67	**525**	500	0.80	38965	62.31
432	166	0.27	5314	8.50	**479**	347	0.55	18274	29.22	**526**	465	0.74	39430	63.05
433	173	0.28	5487	8.77	**480**	363	0.58	18637	29.80	**527**	454	0.73	39884	63.78
434	185	0.30	5672	9.07	**481**	422	0.67	19059	30.48	**528**	452	0.72	40336	64.50
435	187	0.30	5859	9.37	**482**	408	0.65	19467	31.13	**529**	474	0.76	40810	65.26
436	180	0.29	6039	9.66	**483**	410	0.66	19877	31.78	**530**	430	0.69	41240	65.95
437	194	0.31	6233	9.97	**484**	425	0.68	20302	32.46	**531**	418	0.67	41658	66.61
438	203	0.32	6436	10.29	**485**	377	0.60	20679	33.07	**532**	400	0.64	42058	67.25
439	215	0.34	6651	10.64	**486**	391	0.63	21070	33.69	**533**	442	0.71	42500	67.96
440	208	0.33	6859	10.97	**487**	427	0.68	21497	34.38	**534**	456	0.73	42956	68.69
441	172	0.28	7031	11.24	**488**	412	0.66	21909	35.03	**535**	424	0.68	43380	69.37
442	210	0.34	7241	11.58	**489**	414	0.66	22323	35.70	**536**	441	0.71	43821	70.07

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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 %
537	419	0.67	44240	70.74	**584**	151	0.24	57311	91.64	**631**	22	0.04	61239	97.93
538	401	0.64	44641	71.38	**585**	154	0.25	57465	91.89	**632**	33	0.05	61272	97.98
539	388	0.62	45029	72.00	**586**	161	0.26	57626	92.15	**633**	66	0.11	61338	98.08
540	422	0.67	45451	72.68	**587**	126	0.20	57752	92.35	**634**	30	0.05	61368	98.13
541	402	0.64	45853	73.32	**588**	146	0.23	57898	92.58	**635**	27	0.04	61395	98.18
542	382	0.61	46235	73.93	**589**	137	0.22	58035	92.80	**636**	19	0.03	61414	98.21
543	363	0.58	46598	74.51	**590**	144	0.23	58179	93.03	**637**	41	0.07	61455	98.27
544	348	0.56	46946	75.07	**591**	106	0.17	58285	93.20	**638**	19	0.03	61474	98.30
545	339	0.54	47285	75.61	**592**	147	0.24	58432	93.44	**639**	32	0.05	61506	98.35
546	356	0.57	47641	76.18	**593**	118	0.19	58550	93.63	**640**	14	0.02	61520	98.38
547	355	0.57	47996	76.75	**594**	103	0.16	58653	93.79	**641**	29	0.05	61549	98.42
548	354	0.57	48350	77.32	**595**	104	0.17	58757	93.96	**642**	20	0.03	61569	98.45
549	377	0.60	48727	77.92	**596**	120	0.19	58877	94.15	**643**	32	0.05	61601	98.50
550	328	0.52	49055	78.44	**597**	106	0.17	58983	94.32	**644**	25	0.04	61626	98.54
551	334	0.53	49389	78.98	**598**	111	0.18	59094	94.50	**645**	16	0.03	61642	98.57
552	351	0.56	49740	79.54	**599**	110	0.18	59204	94.67	**646**	71	0.11	61713	98.68
553	303	0.48	50043	80.02	**600**	85	0.14	59289	94.81	**647**	17	0.03	61730	98.71
554	318	0.51	50361	80.53	**601**	99	0.16	59388	94.97	**648**	40	0.06	61770	98.78
555	314	0.50	50675	81.03	**602**	91	0.15	59479	95.11	**649**	16	0.03	61786	98.80
556	279	0.45	50954	81.48	**603**	79	0.13	59558	95.24	**650**	24	0.04	61810	98.84
557	302	0.48	51256	81.96	**604**	116	0.19	59674	95.42	**651**	10	0.02	61820	98.86
558	286	0.46	51542	82.42	**605**	88	0.14	59762	95.56	**652**	12	0.02	61832	98.87
559	335	0.54	51877	82.96	**606**	66	0.11	59828	95.67	**653**	28	0.04	61860	98.92
560	270	0.43	52147	83.39	**607**	75	0.12	59903	95.79	**654**	13	0.02	61873	98.94
561	254	0.41	52401	83.79	**608**	80	0.13	59983	95.92	**655**	28	0.04	61901	98.98
562	268	0.43	52669	84.22	**609**	67	0.11	60050	96.02	**656**	7	0.01	61908	99.00
563	279	0.45	52948	84.67	**610**	74	0.12	60124	96.14	**657**	20	0.03	61928	99.03
564	248	0.40	53196	85.06	**611**	61	0.10	60185	96.24	**658**	3	0.00	61931	99.03
565	241	0.39	53437	85.45	**612**	63	0.10	60248	96.34	**659**	18	0.03	61949	99.06
566	278	0.44	53715	85.89	**613**	64	0.10	60312	96.44	**660**	9	0.01	61958	99.08
567	249	0.40	53964	86.29	**614**	63	0.10	60375	96.54	**661**	12	0.02	61970	99.09
568	235	0.38	54199	86.67	**615**	70	0.11	60445	96.66	**662**	12	0.02	61982	99.11
569	241	0.39	54440	87.05	**616**	74	0.12	60519	96.77	**663**	9	0.01	61991	99.13
570	211	0.34	54651	87.39	**617**	54	0.09	60573	96.86	**664**	7	0.01	61998	99.14
571	216	0.35	54867	87.74	**618**	75	0.12	60648	96.98	**665**	15	0.02	62013	99.16
572	217	0.35	55084	88.08	**619**	67	0.11	60715	97.09	**666**	22	0.04	62035	99.20
573	209	0.33	55293	88.42	**620**	56	0.09	60771	97.18	**667**	15	0.02	62050	99.22
574	209	0.33	55502	88.75	**621**	53	0.08	60824	97.26	**668**	15	0.02	62065	99.25
575	226	0.36	55728	89.11	**622**	39	0.06	60863	97.32	**669**	9	0.01	62074	99.26
576	203	0.32	55931	89.44	**623**	47	0.08	60910	97.40	**670**	9	0.01	62083	99.28
577	197	0.32	56128	89.75	**624**	53	0.08	60963	97.48	**671**	15	0.02	62098	99.30
578	187	0.30	56315	90.05	**625**	37	0.06	61000	97.54	**672**	7	0.01	62105	99.31
579	162	0.26	56477	90.31	**626**	55	0.09	61055	97.63	**673**	39	0.06	62144	99.37
580	184	0.29	56661	90.61	**627**	37	0.06	61092	97.69	**674**	3	0.00	62147	99.38
581	172	0.28	56833	90.88	**628**	47	0.08	61139	97.77	**675**	41	0.07	62188	99.44
582	164	0.26	56997	91.14	**629**	39	0.06	61178	97.83	**677**	32	0.05	62220	99.49
583	163	0.26	57160	91.40	**630**	39	0.06	61217	97.89	**678**	2	0.00	62222	99.50

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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 %
681	2	0.00	62224	99.50
682	12	0.02	62236	99.52
683	4	0.01	62240	99.53
684	6	0.01	62246	99.54
685	12	0.02	62258	99.56
686	17	0.03	62275	99.58
688	3	0.00	62278	99.59
689	2	0.00	62280	99.59
690	3	0.00	62283	99.60
691	1	0.00	62284	99.60
694	3	0.00	62287	99.60
698	15	0.02	62302	99.63
700	7	0.01	62309	99.64
703	18	0.03	62327	99.67
706	17	0.03	62344	99.69
709	4	0.01	62348	99.70
710	26	0.04	62374	99.74
723	16	0.03	62390	99.77
727	35	0.06	62425	99.82
731	34	0.05	62459	99.88
780	77	0.12	62536	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	88	0.14	88	0.14	**274**	3	0.00	224	0.36	**321**	19	0.03	645	1.03
221	3	0.00	91	0.15	**275**	9	0.01	233	0.37	**322**	17	0.03	662	1.06
223	1	0.00	92	0.15	**276**	8	0.01	241	0.39	**323**	15	0.02	677	1.08
224	1	0.00	93	0.15	**277**	2	0.00	243	0.39	**324**	13	0.02	690	1.10
226	3	0.00	96	0.15	**278**	5	0.01	248	0.40	**325**	18	0.03	708	1.13
228	3	0.00	99	0.16	**279**	3	0.00	251	0.40	**326**	10	0.02	718	1.15
229	3	0.00	102	0.16	**280**	6	0.01	257	0.41	**327**	14	0.02	732	1.17
230	2	0.00	104	0.17	**281**	4	0.01	261	0.42	**328**	20	0.03	752	1.20
231	1	0.00	105	0.17	**282**	6	0.01	267	0.43	**329**	17	0.03	769	1.23
232	1	0.00	106	0.17	**283**	2	0.00	269	0.43	**330**	23	0.04	792	1.27
233	1	0.00	107	0.17	**284**	5	0.01	274	0.44	**331**	16	0.03	808	1.29
235	2	0.00	109	0.17	**285**	6	0.01	280	0.45	**332**	17	0.03	825	1.32
236	1	0.00	110	0.18	**286**	6	0.01	286	0.46	**333**	16	0.03	841	1.34
238	2	0.00	112	0.18	**287**	5	0.01	291	0.47	**334**	21	0.03	862	1.38
239	2	0.00	114	0.18	**288**	5	0.01	296	0.47	**335**	14	0.02	876	1.40
240	2	0.00	116	0.19	**289**	2	0.00	298	0.48	**336**	23	0.04	899	1.44
241	4	0.01	120	0.19	**290**	7	0.01	305	0.49	**337**	21	0.03	920	1.47
242	2	0.00	122	0.20	**291**	12	0.02	317	0.51	**338**	20	0.03	940	1.50
243	2	0.00	124	0.20	**292**	7	0.01	324	0.52	**339**	23	0.04	963	1.54
244	3	0.00	127	0.20	**293**	6	0.01	330	0.53	**340**	18	0.03	981	1.57
245	2	0.00	129	0.21	**294**	8	0.01	338	0.54	**341**	21	0.03	1002	1.60
246	3	0.00	132	0.21	**295**	7	0.01	345	0.55	**342**	24	0.04	1026	1.64
248	2	0.00	134	0.21	**296**	2	0.00	347	0.55	**343**	24	0.04	1050	1.68
250	3	0.00	137	0.22	**297**	8	0.01	355	0.57	**344**	33	0.05	1083	1.73
251	1	0.00	138	0.22	**298**	14	0.02	369	0.59	**345**	26	0.04	1109	1.77
252	3	0.00	141	0.23	**299**	7	0.01	376	0.60	**346**	24	0.04	1133	1.81
253	6	0.01	147	0.23	**300**	8	0.01	384	0.61	**347**	21	0.03	1154	1.84
254	1	0.00	148	0.24	**301**	11	0.02	395	0.63	**348**	30	0.05	1184	1.89
255	4	0.01	152	0.24	**302**	8	0.01	403	0.64	**349**	30	0.05	1214	1.94
256	3	0.00	155	0.25	**303**	11	0.02	414	0.66	**350**	28	0.04	1242	1.99
257	2	0.00	157	0.25	**304**	7	0.01	421	0.67	**351**	24	0.04	1266	2.02
258	1	0.00	158	0.25	**305**	8	0.01	429	0.69	**352**	25	0.04	1291	2.06
259	3	0.00	161	0.26	**306**	17	0.03	446	0.71	**353**	27	0.04	1318	2.11
260	4	0.01	165	0.26	**307**	8	0.01	454	0.73	**354**	30	0.05	1348	2.15
261	4	0.01	169	0.27	**308**	19	0.03	473	0.76	**355**	31	0.05	1379	2.20
262	6	0.01	175	0.28	**309**	6	0.01	479	0.77	**356**	27	0.04	1406	2.25
263	3	0.00	178	0.28	**310**	17	0.03	496	0.79	**357**	34	0.05	1440	2.30
264	4	0.01	182	0.29	**311**	5	0.01	501	0.80	**358**	30	0.05	1470	2.35
265	4	0.01	186	0.30	**312**	14	0.02	515	0.82	**359**	39	0.06	1509	2.41
266	3	0.00	189	0.30	**313**	11	0.02	526	0.84	**360**	37	0.06	1546	2.47
267	7	0.01	196	0.31	**314**	7	0.01	533	0.85	**361**	33	0.05	1579	2.52
268	4	0.01	200	0.32	**315**	14	0.02	547	0.87	**362**	47	0.08	1626	2.60
269	4	0.01	204	0.33	**316**	15	0.02	562	0.90	**363**	44	0.07	1670	2.67
270	7	0.01	211	0.34	**317**	14	0.02	576	0.92	**364**	49	0.08	1719	2.75
271	2	0.00	213	0.34	**318**	17	0.03	593	0.95	**365**	34	0.05	1753	2.80
272	5	0.01	218	0.35	**319**	14	0.02	607	0.97	**366**	42	0.07	1795	2.87
273	3	0.00	221	0.35	**320**	19	0.03	626	1.00	**367**	44	0.07	1839	2.94

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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 %
368	39	0.06	1878	3.00	**415**	116	0.19	5354	8.56	**462**	211	0.34	13430	21.47
369	41	0.07	1919	3.07	**416**	97	0.16	5451	8.71	**463**	231	0.37	13661	21.84
370	37	0.06	1956	3.13	**417**	118	0.19	5569	8.90	**464**	266	0.43	13927	22.26
371	53	0.08	2009	3.21	**418**	126	0.20	5695	9.10	**465**	267	0.43	14194	22.69
372	43	0.07	2052	3.28	**419**	129	0.21	5824	9.31	**466**	270	0.43	14464	23.12
373	44	0.07	2096	3.35	**420**	118	0.19	5942	9.50	**467**	242	0.39	14706	23.51
374	63	0.10	2159	3.45	**421**	126	0.20	6068	9.70	**468**	258	0.41	14964	23.92
375	36	0.06	2195	3.51	**422**	124	0.20	6192	9.90	**469**	285	0.46	15249	24.37
376	70	0.11	2265	3.62	**423**	144	0.23	6336	10.13	**470**	232	0.37	15481	24.75
377	50	0.08	2315	3.70	**424**	133	0.21	6469	10.34	**471**	271	0.43	15752	25.18
378	55	0.09	2370	3.79	**425**	114	0.18	6583	10.52	**472**	252	0.40	16004	25.58
379	72	0.12	2442	3.90	**426**	134	0.21	6717	10.74	**473**	286	0.46	16290	26.04
380	43	0.07	2485	3.97	**427**	136	0.22	6853	10.95	**474**	281	0.45	16571	26.49
381	53	0.08	2538	4.06	**428**	141	0.23	6994	11.18	**475**	286	0.46	16857	26.94
382	62	0.10	2600	4.16	**429**	138	0.22	7132	11.40	**476**	265	0.42	17122	27.37
383	62	0.10	2662	4.26	**430**	138	0.22	7270	11.62	**477**	269	0.43	17391	27.80
384	50	0.08	2712	4.33	**431**	191	0.31	7461	11.93	**478**	235	0.38	17626	28.17
385	53	0.08	2765	4.42	**432**	158	0.25	7619	12.18	**479**	260	0.42	17886	28.59
386	65	0.10	2830	4.52	**433**	132	0.21	7751	12.39	**480**	285	0.46	18171	29.05
387	66	0.11	2896	4.63	**434**	151	0.24	7902	12.63	**481**	254	0.41	18425	29.45
388	70	0.11	2966	4.74	**435**	156	0.25	8058	12.88	**482**	304	0.49	18729	29.94
389	82	0.13	3048	4.87	**436**	173	0.28	8231	13.16	**483**	273	0.44	19002	30.37
390	55	0.09	3103	4.96	**437**	150	0.24	8381	13.40	**484**	295	0.47	19297	30.85
391	61	0.10	3164	5.06	**438**	161	0.26	8542	13.65	**485**	323	0.52	19620	31.36
392	82	0.13	3246	5.19	**439**	190	0.30	8732	13.96	**486**	306	0.49	19926	31.85
393	66	0.11	3312	5.29	**440**	182	0.29	8914	14.25	**487**	320	0.51	20246	32.36
394	76	0.12	3388	5.42	**441**	188	0.30	9102	14.55	**488**	306	0.49	20552	32.85
395	75	0.12	3463	5.54	**442**	195	0.31	9297	14.86	**489**	311	0.50	20863	33.35
396	88	0.14	3551	5.68	**443**	213	0.34	9510	15.20	**490**	309	0.49	21172	33.84
397	64	0.10	3615	5.78	**444**	179	0.29	9689	15.49	**491**	298	0.48	21470	34.32
398	85	0.14	3700	5.91	**445**	179	0.29	9868	15.77	**492**	317	0.51	21787	34.83
399	86	0.14	3786	6.05	**446**	181	0.29	10049	16.06	**493**	301	0.48	22088	35.31
400	88	0.14	3874	6.19	**447**	209	0.33	10258	16.40	**494**	342	0.55	22430	35.85
401	85	0.14	3959	6.33	**448**	208	0.33	10466	16.73	**495**	331	0.53	22761	36.38
402	78	0.12	4037	6.45	**449**	182	0.29	10648	17.02	**496**	358	0.57	23119	36.95
403	94	0.15	4131	6.60	**450**	205	0.33	10853	17.35	**497**	347	0.55	23466	37.51
404	76	0.12	4207	6.72	**451**	192	0.31	11045	17.65	**498**	309	0.49	23775	38.00
405	94	0.15	4301	6.87	**452**	205	0.33	11250	17.98	**499**	329	0.53	24104	38.53
406	97	0.16	4398	7.03	**453**	218	0.35	11468	18.33	**500**	321	0.51	24425	39.04
407	90	0.14	4488	7.17	**454**	199	0.32	11667	18.65	**501**	331	0.53	24756	39.57
408	108	0.17	4596	7.35	**455**	187	0.30	11854	18.95	**502**	320	0.51	25076	40.08
409	112	0.18	4708	7.53	**456**	238	0.38	12092	19.33	**503**	326	0.52	25402	40.60
410	99	0.16	4807	7.68	**457**	244	0.39	12336	19.72	**504**	300	0.48	25702	41.08
411	100	0.16	4907	7.84	**458**	196	0.31	12532	20.03	**505**	291	0.47	25993	41.55
412	96	0.15	5003	8.00	**459**	219	0.35	12751	20.38	**506**	319	0.51	26312	42.06
413	108	0.17	5111	8.17	**460**	213	0.34	12964	20.72	**507**	348	0.56	26660	42.61
414	127	0.20	5238	8.37	**461**	255	0.41	13219	21.13	**508**	339	0.54	26999	43.16

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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 %
509	374	0.60	27373	43.75	**556**	336	0.54	43360	69.31	**603**	160	0.26	55189	88.22
510	355	0.57	27728	44.32	**557**	294	0.47	43654	69.78	**604**	168	0.27	55357	88.48
511	344	0.55	28072	44.87	**558**	308	0.49	43962	70.27	**605**	191	0.31	55548	88.79
512	337	0.54	28409	45.41	**559**	286	0.46	44248	70.73	**606**	178	0.28	55726	89.07
513	365	0.58	28774	45.99	**560**	309	0.49	44557	71.22	**607**	158	0.25	55884	89.33
514	326	0.52	29100	46.51	**561**	293	0.47	44850	71.69	**608**	169	0.27	56053	89.60
515	339	0.54	29439	47.06	**562**	297	0.47	45147	72.16	**609**	156	0.25	56209	89.85
516	331	0.53	29770	47.59	**563**	298	0.48	45445	72.64	**610**	181	0.29	56390	90.14
517	364	0.58	30134	48.17	**564**	280	0.45	45725	73.09	**611**	143	0.23	56533	90.36
518	334	0.53	30468	48.70	**565**	277	0.44	46002	73.53	**612**	155	0.25	56688	90.61
519	326	0.52	30794	49.22	**566**	273	0.44	46275	73.97	**613**	165	0.26	56853	90.88
520	358	0.57	31152	49.79	**567**	330	0.53	46605	74.50	**614**	163	0.26	57016	91.14
521	359	0.57	31511	50.37	**568**	288	0.46	46893	74.96	**615**	135	0.22	57151	91.35
522	366	0.59	31877	50.95	**569**	266	0.43	47159	75.38	**616**	139	0.22	57290	91.57
523	343	0.55	32220	51.50	**570**	295	0.47	47454	75.85	**617**	157	0.25	57447	91.83
524	339	0.54	32559	52.04	**571**	283	0.45	47737	76.30	**618**	117	0.19	57564	92.01
525	357	0.57	32916	52.61	**572**	271	0.43	48008	76.74	**619**	143	0.23	57707	92.24
526	350	0.56	33266	53.17	**573**	311	0.50	48319	77.24	**620**	131	0.21	57838	92.45
527	339	0.54	33605	53.72	**574**	273	0.44	48592	77.67	**621**	138	0.22	57976	92.67
528	367	0.59	33972	54.30	**575**	273	0.44	48865	78.11	**622**	144	0.23	58120	92.90
529	328	0.52	34300	54.83	**576**	284	0.45	49149	78.56	**623**	115	0.18	58235	93.09
530	338	0.54	34638	55.37	**577**	263	0.42	49412	78.98	**624**	122	0.20	58357	93.28
531	334	0.53	34972	55.90	**578**	242	0.39	49654	79.37	**625**	109	0.17	58466	93.45
532	359	0.57	35331	56.47	**579**	233	0.37	49887	79.74	**626**	131	0.21	58597	93.66
533	337	0.54	35668	57.01	**580**	232	0.37	50119	80.11	**627**	100	0.16	58697	93.82
534	324	0.52	35992	57.53	**581**	239	0.38	50358	80.49	**628**	125	0.20	58822	94.02
535	343	0.55	36335	58.08	**582**	279	0.45	50637	80.94	**629**	101	0.16	58923	94.18
536	327	0.52	36662	58.60	**583**	244	0.39	50881	81.33	**630**	94	0.15	59017	94.34
537	342	0.55	37004	59.15	**584**	231	0.37	51112	81.70	**631**	96	0.15	59113	94.49
538	323	0.52	37327	59.66	**585**	257	0.41	51369	82.11	**632**	106	0.17	59219	94.66
539	330	0.53	37657	60.19	**586**	244	0.39	51613	82.50	**633**	95	0.15	59314	94.81
540	328	0.52	37985	60.72	**587**	257	0.41	51870	82.91	**634**	82	0.13	59396	94.94
541	323	0.52	38308	61.23	**588**	223	0.36	52093	83.27	**635**	86	0.14	59482	95.08
542	364	0.58	38672	61.81	**589**	215	0.34	52308	83.61	**636**	87	0.14	59569	95.22
543	310	0.50	38982	62.31	**590**	210	0.34	52518	83.95	**637**	109	0.17	59678	95.39
544	355	0.57	39337	62.88	**591**	230	0.37	52748	84.31	**638**	91	0.15	59769	95.54
545	324	0.52	39661	63.40	**592**	207	0.33	52955	84.65	**639**	71	0.11	59840	95.65
546	346	0.55	40007	63.95	**593**	194	0.31	53149	84.96	**640**	75	0.12	59915	95.77
547	302	0.48	40309	64.43	**594**	209	0.33	53358	85.29	**641**	89	0.14	60004	95.91
548	332	0.53	40641	64.96	**595**	236	0.38	53594	85.67	**642**	71	0.11	60075	96.03
549	353	0.56	40994	65.53	**596**	214	0.34	53808	86.01	**643**	79	0.13	60154	96.15
550	353	0.56	41347	66.09	**597**	215	0.34	54023	86.35	**644**	79	0.13	60233	96.28
551	328	0.52	41675	66.61	**598**	199	0.32	54222	86.67	**645**	75	0.12	60308	96.40
552	342	0.55	42017	67.16	**599**	189	0.30	54411	86.97	**646**	79	0.13	60387	96.52
553	345	0.55	42362	67.71	**600**	205	0.33	54616	87.30	**647**	68	0.11	60455	96.63
554	332	0.53	42694	68.24	**601**	215	0.34	54831	87.64	**648**	70	0.11	60525	96.75
555	330	0.53	43024	68.77	**602**	198	0.32	55029	87.96	**649**	75	0.12	60600	96.87

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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 %
650	46	0.07	60646	96.94	**697**	11	0.02	62121	99.30	**747**	4	0.01	62434	99.80
651	67	0.11	60713	97.05	**698**	16	0.03	62137	99.32	**748**	2	0.00	62436	99.80
652	57	0.09	60770	97.14	**699**	10	0.02	62147	99.34	**749**	1	0.00	62437	99.80
653	48	0.08	60818	97.21	**700**	8	0.01	62155	99.35	**751**	1	0.00	62438	99.80
654	61	0.10	60879	97.31	**701**	11	0.02	62166	99.37	**753**	2	0.00	62440	99.81
655	55	0.09	60934	97.40	**702**	15	0.02	62181	99.39	**754**	5	0.01	62445	99.81
656	64	0.10	60998	97.50	**703**	9	0.01	62190	99.41	**755**	6	0.01	62451	99.82
657	45	0.07	61043	97.57	**704**	6	0.01	62196	99.42	**756**	1	0.00	62452	99.83
658	43	0.07	61086	97.64	**705**	4	0.01	62200	99.42	**758**	3	0.00	62455	99.83
659	48	0.08	61134	97.72	**706**	12	0.02	62212	99.44	**760**	5	0.01	62460	99.84
660	41	0.07	61175	97.78	**707**	15	0.02	62227	99.47	**765**	1	0.00	62461	99.84
661	52	0.08	61227	97.87	**708**	4	0.01	62231	99.47	**767**	22	0.04	62483	99.88
662	37	0.06	61264	97.93	**709**	2	0.00	62233	99.48	**768**	2	0.00	62485	99.88
663	56	0.09	61320	98.02	**710**	5	0.01	62238	99.48	**770**	2	0.00	62487	99.88
664	38	0.06	61358	98.08	**711**	8	0.01	62246	99.50	**771**	10	0.02	62497	99.90
665	34	0.05	61392	98.13	**712**	10	0.02	62256	99.51	**772**	3	0.00	62500	99.90
666	34	0.05	61426	98.19	**713**	19	0.03	62275	99.54	**777**	1	0.00	62501	99.90
667	31	0.05	61457	98.24	**714**	5	0.01	62280	99.55	**784**	7	0.01	62508	99.92
668	35	0.06	61492	98.29	**715**	12	0.02	62292	99.57	**800**	53	0.08	62561	100.00
669	26	0.04	61518	98.33	**716**	6	0.01	62298	99.58					
670	35	0.06	61553	98.39	**717**	2	0.00	62300	99.58					
671	33	0.05	61586	98.44	**718**	14	0.02	62314	99.61					
672	26	0.04	61612	98.48	**719**	5	0.01	62319	99.61					
673	45	0.07	61657	98.56	**720**	9	0.01	62328	99.63					
674	23	0.04	61680	98.59	**721**	7	0.01	62335	99.64					
675	29	0.05	61709	98.64	**722**	1	0.00	62336	99.64					
676	33	0.05	61742	98.69	**723**	8	0.01	62344	99.65					
677	11	0.02	61753	98.71	**724**	9	0.01	62353	99.67					
678	26	0.04	61779	98.75	**725**	7	0.01	62360	99.68					
679	21	0.03	61800	98.78	**726**	15	0.02	62375	99.70					
680	19	0.03	61819	98.81	**727**	3	0.00	62378	99.71					
681	31	0.05	61850	98.86	**728**	3	0.00	62381	99.71					
682	23	0.04	61873	98.90	**729**	6	0.01	62387	99.72					
683	16	0.03	61889	98.93	**730**	1	0.00	62388	99.72					
684	8	0.01	61897	98.94	**731**	2	0.00	62390	99.73					
685	24	0.04	61921	98.98	**732**	7	0.01	62397	99.74					
686	23	0.04	61944	99.01	**733**	2	0.00	62399	99.74					
687	20	0.03	61964	99.05	**734**	1	0.00	62400	99.74					
688	15	0.02	61979	99.07	**735**	1	0.00	62401	99.74					
689	22	0.04	62001	99.10	**736**	8	0.01	62409	99.76					
690	15	0.02	62016	99.13	**738**	2	0.00	62411	99.76					
691	11	0.02	62027	99.15	**739**	1	0.00	62412	99.76					
692	16	0.03	62043	99.17	**740**	4	0.01	62416	99.77					
693	19	0.03	62062	99.20	**742**	2	0.00	62418	99.77					
694	20	0.03	62082	99.23	**743**	3	0.00	62421	99.78					
695	11	0.02	62093	99.25	**745**	8	0.01	62429	99.79					
696	17	0.03	62110	99.28	**746**	1	0.00	62430	99.79					

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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	548	0.88	548	0.88	**347**	33	0.05	1517	2.42	**394**	96	0.15	4390	7.01
301	15	0.02	563	0.90	**348**	31	0.05	1548	2.47	**395**	102	0.16	4492	7.18
302	10	0.02	573	0.92	**349**	38	0.06	1586	2.53	**396**	104	0.17	4596	7.34
303	16	0.03	589	0.94	**350**	44	0.07	1630	2.60	**397**	93	0.15	4689	7.49
304	15	0.02	604	0.96	**351**	47	0.08	1677	2.68	**398**	102	0.16	4791	7.65
305	10	0.02	614	0.98	**352**	38	0.06	1715	2.74	**399**	107	0.17	4898	7.83
306	15	0.02	629	1.00	**353**	31	0.05	1746	2.79	**400**	127	0.20	5025	8.03
307	17	0.03	646	1.03	**354**	43	0.07	1789	2.86	**401**	110	0.18	5135	8.20
308	11	0.02	657	1.05	**355**	38	0.06	1827	2.92	**402**	113	0.18	5248	8.38
309	15	0.02	672	1.07	**356**	30	0.05	1857	2.97	**403**	131	0.21	5379	8.59
310	15	0.02	687	1.10	**357**	46	0.07	1903	3.04	**404**	124	0.20	5503	8.79
311	10	0.02	697	1.11	**358**	50	0.08	1953	3.12	**405**	111	0.18	5614	8.97
312	15	0.02	712	1.14	**359**	60	0.10	2013	3.22	**406**	127	0.20	5741	9.17
313	19	0.03	731	1.17	**360**	47	0.08	2060	3.29	**407**	125	0.20	5866	9.37
314	12	0.02	743	1.19	**361**	54	0.09	2114	3.38	**408**	124	0.20	5990	9.57
315	17	0.03	760	1.21	**362**	58	0.09	2172	3.47	**409**	132	0.21	6122	9.78
316	16	0.03	776	1.24	**363**	50	0.08	2222	3.55	**410**	131	0.21	6253	9.99
317	14	0.02	790	1.26	**364**	45	0.07	2267	3.62	**411**	133	0.21	6386	10.20
318	15	0.02	805	1.29	**365**	61	0.10	2328	3.72	**412**	118	0.19	6504	10.39
319	18	0.03	823	1.31	**366**	42	0.07	2370	3.79	**413**	140	0.22	6644	10.61
320	22	0.04	845	1.35	**367**	54	0.09	2424	3.87	**414**	138	0.22	6782	10.83
321	23	0.04	868	1.39	**368**	54	0.09	2478	3.96	**415**	171	0.27	6953	11.11
322	24	0.04	892	1.43	**369**	56	0.09	2534	4.05	**416**	154	0.25	7107	11.35
323	22	0.04	914	1.46	**370**	66	0.11	2600	4.15	**417**	160	0.26	7267	11.61
324	23	0.04	937	1.50	**371**	57	0.09	2657	4.24	**418**	133	0.21	7400	11.82
325	24	0.04	961	1.54	**372**	67	0.11	2724	4.35	**419**	169	0.27	7569	12.09
326	29	0.05	990	1.58	**373**	66	0.11	2790	4.46	**420**	167	0.27	7736	12.36
327	19	0.03	1009	1.61	**374**	58	0.09	2848	4.55	**421**	157	0.25	7893	12.61
328	18	0.03	1027	1.64	**375**	54	0.09	2902	4.64	**422**	174	0.28	8067	12.89
329	24	0.04	1051	1.68	**376**	65	0.10	2967	4.74	**423**	171	0.27	8238	13.16
330	18	0.03	1069	1.71	**377**	57	0.09	3024	4.83	**424**	152	0.24	8390	13.40
331	26	0.04	1095	1.75	**378**	67	0.11	3091	4.94	**425**	179	0.29	8569	13.69
332	17	0.03	1112	1.78	**379**	63	0.10	3154	5.04	**426**	161	0.26	8730	13.95
333	23	0.04	1135	1.81	**380**	80	0.13	3234	5.17	**427**	185	0.30	8915	14.24
334	25	0.04	1160	1.85	**381**	66	0.11	3300	5.27	**428**	193	0.31	9108	14.55
335	16	0.03	1176	1.88	**382**	75	0.12	3375	5.39	**429**	181	0.29	9289	14.84
336	26	0.04	1202	1.92	**383**	68	0.11	3443	5.50	**430**	176	0.28	9465	15.12
337	29	0.05	1231	1.97	**384**	84	0.13	3527	5.63	**431**	205	0.33	9670	15.45
338	28	0.04	1259	2.01	**385**	67	0.11	3594	5.74	**432**	175	0.28	9845	15.73
339	23	0.04	1282	2.05	**386**	91	0.15	3685	5.89	**433**	190	0.30	10035	16.03
340	30	0.05	1312	2.10	**387**	68	0.11	3753	6.00	**434**	185	0.30	10220	16.33
341	29	0.05	1341	2.14	**388**	92	0.15	3845	6.14	**435**	202	0.32	10422	16.65
342	28	0.04	1369	2.19	**389**	84	0.13	3929	6.28	**436**	208	0.33	10630	16.98
343	27	0.04	1396	2.23	**390**	100	0.16	4029	6.44	**437**	217	0.35	10847	17.33
344	33	0.05	1429	2.28	**391**	91	0.15	4120	6.58	**438**	204	0.33	11051	17.66
345	31	0.05	1460	2.33	**392**	76	0.12	4196	6.70	**439**	206	0.33	11257	17.98
346	24	0.04	1484	2.37	**393**	98	0.16	4294	6.86	**440**	211	0.34	11468	18.32

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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	220	0.35	11688	18.67	**488**	362	0.58	25198	40.26	**535**	364	0.58	42946	68.61
442	221	0.35	11909	19.03	**489**	400	0.64	25598	40.90	**536**	419	0.67	43365	69.28
443	202	0.32	12111	19.35	**490**	371	0.59	25969	41.49	**537**	370	0.59	43735	69.87
444	230	0.37	12341	19.72	**491**	363	0.58	26332	42.07	**538**	331	0.53	44066	70.40
445	242	0.39	12583	20.10	**492**	309	0.49	26641	42.56	**539**	393	0.63	44459	71.03
446	247	0.39	12830	20.50	**493**	344	0.55	26985	43.11	**540**	360	0.58	44819	71.60
447	236	0.38	13066	20.87	**494**	334	0.53	27319	43.64	**541**	334	0.53	45153	72.14
448	237	0.38	13303	21.25	**495**	416	0.66	27735	44.31	**542**	358	0.57	45511	72.71
449	242	0.39	13545	21.64	**496**	363	0.58	28098	44.89	**543**	382	0.61	45893	73.32
450	237	0.38	13782	22.02	**497**	347	0.55	28445	45.44	**544**	365	0.58	46258	73.90
451	260	0.42	14042	22.43	**498**	391	0.62	28836	46.07	**545**	339	0.54	46597	74.44
452	270	0.43	14312	22.86	**499**	366	0.58	29202	46.65	**546**	344	0.55	46941	74.99
453	242	0.39	14554	23.25	**500**	383	0.61	29585	47.26	**547**	367	0.59	47308	75.58
454	260	0.42	14814	23.67	**501**	386	0.62	29971	47.88	**548**	348	0.56	47656	76.14
455	263	0.42	15077	24.09	**502**	348	0.56	30319	48.44	**549**	342	0.55	47998	76.68
456	241	0.39	15318	24.47	**503**	350	0.56	30669	49.00	**550**	360	0.58	48358	77.26
457	277	0.44	15595	24.91	**504**	381	0.61	31050	49.61	**551**	301	0.48	48659	77.74
458	279	0.45	15874	25.36	**505**	377	0.60	31427	50.21	**552**	351	0.56	49010	78.30
459	291	0.46	16165	25.83	**506**	347	0.55	31774	50.76	**553**	329	0.53	49339	78.82
460	281	0.45	16446	26.27	**507**	356	0.57	32130	51.33	**554**	309	0.49	49648	79.32
461	278	0.44	16724	26.72	**508**	400	0.64	32530	51.97	**555**	313	0.50	49961	79.82
462	268	0.43	16992	27.15	**509**	367	0.59	32897	52.56	**556**	333	0.53	50294	80.35
463	294	0.47	17286	27.62	**510**	387	0.62	33284	53.17	**557**	306	0.49	50600	80.84
464	276	0.44	17562	28.06	**511**	397	0.63	33681	53.81	**558**	331	0.53	50931	81.37
465	261	0.42	17823	28.47	**512**	387	0.62	34068	54.43	**559**	289	0.46	51220	81.83
466	306	0.49	18129	28.96	**513**	369	0.59	34437	55.02	**560**	297	0.47	51517	82.30
467	290	0.46	18419	29.43	**514**	372	0.59	34809	55.61	**561**	331	0.53	51848	82.83
468	316	0.50	18735	29.93	**515**	390	0.62	35199	56.23	**562**	291	0.46	52139	83.30
469	322	0.51	19057	30.45	**516**	391	0.62	35590	56.86	**563**	298	0.48	52437	83.77
470	322	0.51	19379	30.96	**517**	377	0.60	35967	57.46	**564**	316	0.50	52753	84.28
471	274	0.44	19653	31.40	**518**	412	0.66	36379	58.12	**565**	275	0.44	53028	84.72
472	269	0.43	19922	31.83	**519**	380	0.61	36759	58.73	**566**	264	0.42	53292	85.14
473	301	0.48	20223	32.31	**520**	380	0.61	37139	59.33	**567**	264	0.42	53556	85.56
474	286	0.46	20509	32.77	**521**	369	0.59	37508	59.92	**568**	297	0.47	53853	86.04
475	307	0.49	20816	33.26	**522**	387	0.62	37895	60.54	**569**	277	0.44	54130	86.48
476	359	0.57	21175	33.83	**523**	436	0.70	38331	61.24	**570**	253	0.40	54383	86.88
477	302	0.48	21477	34.31	**524**	408	0.65	38739	61.89	**571**	254	0.41	54637	87.29
478	295	0.47	21772	34.78	**525**	405	0.65	39144	62.54	**572**	280	0.45	54917	87.74
479	328	0.52	22100	35.31	**526**	406	0.65	39550	63.18	**573**	228	0.36	55145	88.10
480	337	0.54	22437	35.85	**527**	387	0.62	39937	63.80	**574**	258	0.41	55403	88.51
481	319	0.51	22756	36.35	**528**	412	0.66	40349	64.46	**575**	223	0.36	55626	88.87
482	349	0.56	23105	36.91	**529**	364	0.58	40713	65.04	**576**	234	0.37	55860	89.24
483	337	0.54	23442	37.45	**530**	391	0.62	41104	65.67	**577**	207	0.33	56067	89.57
484	336	0.54	23778	37.99	**531**	355	0.57	41459	66.23	**578**	217	0.35	56284	89.92
485	366	0.58	24144	38.57	**532**	330	0.53	41789	66.76	**579**	208	0.33	56492	90.25
486	351	0.56	24495	39.13	**533**	392	0.63	42181	67.39	**580**	215	0.34	56707	90.59
487	341	0.54	24836	39.68	**534**	401	0.64	42582	68.03	**581**	214	0.34	56921	90.94

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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	186	0.30	57107	91.23	**629**	35	0.06	61952	98.97	**676**	3	0.00	62551	99.93
583	187	0.30	57294	91.53	**630**	37	0.06	61989	99.03	**678**	2	0.00	62553	99.93
584	186	0.30	57480	91.83	**631**	40	0.06	62029	99.10	**679**	1	0.00	62554	99.94
585	191	0.31	57671	92.14	**632**	19	0.03	62048	99.13	**680**	3	0.00	62557	99.94
586	174	0.28	57845	92.41	**633**	28	0.04	62076	99.17	**681**	3	0.00	62560	99.95
587	183	0.29	58028	92.71	**634**	28	0.04	62104	99.22	**682**	2	0.00	62562	99.95
588	188	0.30	58216	93.01	**635**	19	0.03	62123	99.25	**683**	1	0.00	62563	99.95
589	156	0.25	58372	93.25	**636**	33	0.05	62156	99.30	**684**	3	0.00	62566	99.96
590	164	0.26	58536	93.52	**637**	27	0.04	62183	99.34	**685**	1	0.00	62567	99.96
591	157	0.25	58693	93.77	**638**	14	0.02	62197	99.37	**686**	2	0.00	62569	99.96
592	143	0.23	58836	94.00	**639**	15	0.02	62212	99.39	**687**	1	0.00	62570	99.96
593	150	0.24	58986	94.24	**640**	18	0.03	62230	99.42	**689**	3	0.00	62573	99.97
594	135	0.22	59121	94.45	**641**	25	0.04	62255	99.46	**691**	1	0.00	62574	99.97
595	141	0.23	59262	94.68	**642**	17	0.03	62272	99.49	**692**	1	0.00	62575	99.97
596	155	0.25	59417	94.92	**643**	19	0.03	62291	99.52	**693**	1	0.00	62576	99.97
597	133	0.21	59550	95.14	**644**	25	0.04	62316	99.56	**694**	1	0.00	62577	99.97
598	128	0.20	59678	95.34	**645**	15	0.02	62331	99.58	**696**	1	0.00	62578	99.97
599	148	0.24	59826	95.58	**646**	12	0.02	62343	99.60	**698**	2	0.00	62580	99.98
600	125	0.20	59951	95.78	**647**	14	0.02	62357	99.62	**699**	1	0.00	62581	99.98
601	126	0.20	60077	95.98	**648**	20	0.03	62377	99.65	**702**	1	0.00	62582	99.98
602	102	0.16	60179	96.14	**649**	8	0.01	62385	99.67	**703**	3	0.00	62585	99.99
603	118	0.19	60297	96.33	**650**	10	0.02	62395	99.68	**706**	1	0.00	62586	99.99
604	80	0.13	60377	96.46	**651**	5	0.01	62400	99.69	**707**	3	0.00	62589	99.99
605	91	0.15	60468	96.60	**652**	9	0.01	62409	99.70	**712**	1	0.00	62590	99.99
606	97	0.15	60565	96.76	**653**	12	0.02	62421	99.72	**718**	1	0.00	62591	100.00
607	90	0.14	60655	96.90	**654**	14	0.02	62435	99.75	**720**	1	0.00	62592	100.00
608	83	0.13	60738	97.03	**655**	5	0.01	62440	99.75	**722**	1	0.00	62593	100.00
609	81	0.13	60819	97.16	**656**	12	0.02	62452	99.77	**741**	1	0.00	62594	100.00
610	73	0.12	60892	97.28	**657**	7	0.01	62459	99.78					
611	84	0.13	60976	97.42	**658**	8	0.01	62467	99.80					
612	61	0.10	61037	97.51	**659**	10	0.02	62477	99.81					
613	75	0.12	61112	97.63	**660**	6	0.01	62483	99.82					
614	59	0.09	61171	97.73	**661**	6	0.01	62489	99.83					
615	79	0.13	61250	97.85	**662**	6	0.01	62495	99.84					
616	81	0.13	61331	97.98	**663**	7	0.01	62502	99.85					
617	58	0.09	61389	98.07	**664**	6	0.01	62508	99.86					
618	63	0.10	61452	98.18	**665**	6	0.01	62514	99.87					
619	47	0.08	61499	98.25	**666**	4	0.01	62518	99.88					
620	49	0.08	61548	98.33	**667**	4	0.01	62522	99.88					
621	50	0.08	61598	98.41	**668**	4	0.01	62526	99.89					
622	51	0.08	61649	98.49	**669**	2	0.00	62528	99.89					
623	47	0.08	61696	98.57	**670**	5	0.01	62533	99.90					
624	54	0.09	61750	98.65	**671**	7	0.01	62540	99.91					
625	42	0.07	61792	98.72	**672**	2	0.00	62542	99.92					
626	38	0.06	61830	98.78	**673**	2	0.00	62544	99.92					
627	42	0.07	61872	98.85	**674**	2	0.00	62546	99.92					
628	45	0.07	61917	98.92	**675**	2	0.00	62548	99.93					

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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	262	0.42	262	0.42	**402**	1	0.00	349	0.56	**449**	14	0.02	670	1.08
284	1	0.00	263	0.43	**403**	1	0.00	350	0.57	**450**	14	0.02	684	1.11
303	1	0.00	264	0.43	**404**	7	0.01	357	0.58	**451**	14	0.02	698	1.13
308	1	0.00	265	0.43	**405**	5	0.01	362	0.59	**452**	19	0.03	717	1.16
310	1	0.00	266	0.43	**406**	6	0.01	368	0.60	**453**	14	0.02	731	1.18
321	1	0.00	267	0.43	**407**	6	0.01	374	0.61	**454**	25	0.04	756	1.22
327	1	0.00	268	0.43	**408**	1	0.00	375	0.61	**455**	15	0.02	771	1.25
331	1	0.00	269	0.44	**409**	2	0.00	377	0.61	**456**	15	0.02	786	1.27
333	1	0.00	270	0.44	**410**	3	0.00	380	0.62	**457**	13	0.02	799	1.29
334	1	0.00	271	0.44	**411**	5	0.01	385	0.62	**458**	15	0.02	814	1.32
340	1	0.00	272	0.44	**412**	5	0.01	390	0.63	**459**	23	0.04	837	1.35
342	1	0.00	273	0.44	**413**	4	0.01	394	0.64	**460**	20	0.03	857	1.39
345	1	0.00	274	0.44	**414**	2	0.00	396	0.64	**461**	15	0.02	872	1.41
350	1	0.00	275	0.45	**415**	4	0.01	400	0.65	**462**	21	0.03	893	1.45
351	1	0.00	276	0.45	**416**	3	0.00	403	0.65	**463**	27	0.04	920	1.49
353	1	0.00	277	0.45	**417**	2	0.00	405	0.66	**464**	16	0.03	936	1.52
355	1	0.00	278	0.45	**418**	2	0.00	407	0.66	**465**	20	0.03	956	1.55
356	2	0.00	280	0.45	**419**	4	0.01	411	0.67	**466**	18	0.03	974	1.58
357	1	0.00	281	0.45	**420**	1	0.00	412	0.67	**467**	24	0.04	998	1.62
359	1	0.00	282	0.46	**421**	2	0.00	414	0.67	**468**	19	0.03	1017	1.65
362	3	0.00	285	0.46	**422**	3	0.00	417	0.67	**469**	21	0.03	1038	1.68
366	1	0.00	286	0.46	**423**	9	0.01	426	0.69	**470**	22	0.04	1060	1.72
367	1	0.00	287	0.46	**424**	6	0.01	432	0.70	**471**	24	0.04	1084	1.75
370	3	0.00	290	0.47	**425**	7	0.01	439	0.71	**472**	19	0.03	1103	1.79
371	3	0.00	293	0.47	**426**	4	0.01	443	0.72	**473**	24	0.04	1127	1.82
372	1	0.00	294	0.48	**427**	6	0.01	449	0.73	**474**	27	0.04	1154	1.87
375	1	0.00	295	0.48	**428**	7	0.01	456	0.74	**475**	23	0.04	1177	1.91
377	2	0.00	297	0.48	**429**	8	0.01	464	0.75	**476**	25	0.04	1202	1.95
379	4	0.01	301	0.49	**430**	14	0.02	478	0.77	**477**	35	0.06	1237	2.00
380	2	0.00	303	0.49	**431**	8	0.01	486	0.79	**478**	30	0.05	1267	2.05
381	3	0.00	306	0.50	**432**	8	0.01	494	0.80	**479**	33	0.05	1300	2.10
384	1	0.00	307	0.50	**433**	12	0.02	506	0.82	**480**	25	0.04	1325	2.14
385	4	0.01	311	0.50	**434**	7	0.01	513	0.83	**481**	31	0.05	1356	2.19
386	2	0.00	313	0.51	**435**	8	0.01	521	0.84	**482**	35	0.06	1391	2.25
387	3	0.00	316	0.51	**436**	5	0.01	526	0.85	**483**	35	0.06	1426	2.31
388	2	0.00	318	0.51	**437**	13	0.02	539	0.87	**484**	43	0.07	1469	2.38
390	2	0.00	320	0.52	**438**	13	0.02	552	0.89	**485**	35	0.06	1504	2.43
391	2	0.00	322	0.52	**439**	11	0.02	563	0.91	**486**	36	0.06	1540	2.49
392	3	0.00	325	0.53	**440**	5	0.01	568	0.92	**487**	29	0.05	1569	2.54
393	1	0.00	326	0.53	**441**	8	0.01	576	0.93	**488**	40	0.06	1609	2.60
394	2	0.00	328	0.53	**442**	11	0.02	587	0.95	**489**	41	0.07	1650	2.67
395	2	0.00	330	0.53	**443**	8	0.01	595	0.96	**490**	43	0.07	1693	2.74
396	3	0.00	333	0.54	**444**	15	0.02	610	0.99	**491**	52	0.08	1745	2.82
397	3	0.00	336	0.54	**445**	14	0.02	624	1.01	**492**	34	0.06	1779	2.88
398	4	0.01	340	0.55	**446**	8	0.01	632	1.02	**493**	37	0.06	1816	2.94
399	2	0.00	342	0.55	**447**	11	0.02	643	1.04	**494**	38	0.06	1854	3.00
400	6	0.01	348	0.56	**448**	13	0.02	656	1.06	**495**	39	0.06	1893	3.06

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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 %
496	49	0.08	1942	3.14	**543**	119	0.19	5387	8.72	**590**	269	0.44	13802	22.34
497	44	0.07	1986	3.21	**544**	109	0.18	5496	8.90	**591**	282	0.46	14084	22.80
498	45	0.07	2031	3.29	**545**	109	0.18	5605	9.07	**592**	298	0.48	14382	23.28
499	44	0.07	2075	3.36	**546**	114	0.18	5719	9.26	**593**	288	0.47	14670	23.74
500	42	0.07	2117	3.43	**547**	139	0.22	5858	9.48	**594**	274	0.44	14944	24.19
501	43	0.07	2160	3.50	**548**	113	0.18	5971	9.66	**595**	280	0.45	15224	24.64
502	53	0.09	2213	3.58	**549**	129	0.21	6100	9.87	**596**	299	0.48	15523	25.13
503	62	0.10	2275	3.68	**550**	100	0.16	6200	10.04	**597**	309	0.50	15832	25.63
504	64	0.10	2339	3.79	**551**	138	0.22	6338	10.26	**598**	285	0.46	16117	26.09
505	41	0.07	2380	3.85	**552**	122	0.20	6460	10.46	**599**	300	0.49	16417	26.57
506	55	0.09	2435	3.94	**553**	111	0.18	6571	10.64	**600**	315	0.51	16732	27.08
507	51	0.08	2486	4.02	**554**	153	0.25	6724	10.88	**601**	319	0.52	17051	27.60
508	60	0.10	2546	4.12	**555**	136	0.22	6860	11.10	**602**	319	0.52	17370	28.11
509	69	0.11	2615	4.23	**556**	120	0.19	6980	11.30	**603**	334	0.54	17704	28.66
510	62	0.10	2677	4.33	**557**	139	0.22	7119	11.52	**604**	347	0.56	18051	29.22
511	68	0.11	2745	4.44	**558**	146	0.24	7265	11.76	**605**	308	0.50	18359	29.72
512	53	0.09	2798	4.53	**559**	144	0.23	7409	11.99	**606**	351	0.57	18710	30.28
513	52	0.08	2850	4.61	**560**	156	0.25	7565	12.24	**607**	345	0.56	19055	30.84
514	65	0.11	2915	4.72	**561**	166	0.27	7731	12.51	**608**	333	0.54	19388	31.38
515	55	0.09	2970	4.81	**562**	179	0.29	7910	12.80	**609**	383	0.62	19771	32.00
516	58	0.09	3028	4.90	**563**	150	0.24	8060	13.05	**610**	342	0.55	20113	32.55
517	66	0.11	3094	5.01	**564**	174	0.28	8234	13.33	**611**	406	0.66	20519	33.21
518	62	0.10	3156	5.11	**565**	158	0.26	8392	13.58	**612**	340	0.55	20859	33.76
519	74	0.12	3230	5.23	**566**	171	0.28	8563	13.86	**613**	382	0.62	21241	34.38
520	79	0.13	3309	5.36	**567**	184	0.30	8747	14.16	**614**	344	0.56	21585	34.94
521	79	0.13	3388	5.48	**568**	167	0.27	8914	14.43	**615**	400	0.65	21985	35.58
522	74	0.12	3462	5.60	**569**	184	0.30	9098	14.73	**616**	399	0.65	22384	36.23
523	72	0.12	3534	5.72	**570**	170	0.28	9268	15.00	**617**	385	0.62	22769	36.85
524	78	0.13	3612	5.85	**571**	185	0.30	9453	15.30	**618**	375	0.61	23144	37.46
525	81	0.13	3693	5.98	**572**	164	0.27	9617	15.57	**619**	373	0.60	23517	38.06
526	85	0.14	3778	6.12	**573**	205	0.33	9822	15.90	**620**	399	0.65	23916	38.71
527	82	0.13	3860	6.25	**574**	195	0.32	10017	16.21	**621**	415	0.67	24331	39.38
528	77	0.12	3937	6.37	**575**	217	0.35	10234	16.56	**622**	409	0.66	24740	40.04
529	93	0.15	4030	6.52	**576**	216	0.35	10450	16.91	**623**	436	0.71	25176	40.75
530	91	0.15	4121	6.67	**577**	202	0.33	10652	17.24	**624**	463	0.75	25639	41.50
531	86	0.14	4207	6.81	**578**	214	0.35	10866	17.59	**625**	411	0.67	26050	42.16
532	78	0.13	4285	6.94	**579**	223	0.36	11089	17.95	**626**	448	0.73	26498	42.89
533	94	0.15	4379	7.09	**580**	244	0.39	11333	18.34	**627**	435	0.70	26933	43.59
534	95	0.15	4474	7.24	**581**	231	0.37	11564	18.72	**628**	432	0.70	27365	44.29
535	90	0.15	4564	7.39	**582**	223	0.36	11787	19.08	**629**	473	0.77	27838	45.06
536	100	0.16	4664	7.55	**583**	236	0.38	12023	19.46	**630**	397	0.64	28235	45.70
537	83	0.13	4747	7.68	**584**	226	0.37	12249	19.83	**631**	443	0.72	28678	46.42
538	89	0.14	4836	7.83	**585**	256	0.41	12505	20.24	**632**	401	0.65	29079	47.07
539	117	0.19	4953	8.02	**586**	244	0.39	12749	20.64	**633**	456	0.74	29535	47.81
540	103	0.17	5056	8.18	**587**	255	0.41	13004	21.05	**634**	470	0.76	30005	48.57
541	86	0.14	5142	8.32	**588**	278	0.45	13282	21.50	**635**	434	0.70	30439	49.27
542	126	0.20	5268	8.53	**589**	251	0.41	13533	21.90	**636**	461	0.75	30900	50.01

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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 %
637	454	0.73	31354	50.75	**684**	311	0.50	51310	83.05	**731**	55	0.09	60403	97.77
638	423	0.68	31777	51.43	**685**	388	0.63	51698	83.68	**732**	80	0.13	60483	97.90
639	442	0.72	32219	52.15	**686**	329	0.53	52027	84.21	**733**	64	0.10	60547	98.00
640	455	0.74	32674	52.89	**687**	305	0.49	52332	84.70	**734**	73	0.12	60620	98.12
641	402	0.65	33076	53.54	**688**	304	0.49	52636	85.20	**735**	68	0.11	60688	98.23
642	450	0.73	33526	54.26	**689**	321	0.52	52957	85.72	**736**	56	0.09	60744	98.32
643	459	0.74	33985	55.01	**690**	300	0.49	53257	86.20	**737**	53	0.09	60797	98.41
644	454	0.73	34439	55.74	**691**	289	0.47	53546	86.67	**738**	46	0.07	60843	98.48
645	480	0.78	34919	56.52	**692**	274	0.44	53820	87.11	**739**	49	0.08	60892	98.56
646	447	0.72	35366	57.24	**693**	282	0.46	54102	87.57	**740**	51	0.08	60943	98.64
647	489	0.79	35855	58.03	**694**	260	0.42	54362	87.99	**741**	53	0.09	60996	98.73
648	438	0.71	36293	58.74	**695**	274	0.44	54636	88.43	**742**	32	0.05	61028	98.78
649	464	0.75	36757	59.49	**696**	301	0.49	54937	88.92	**743**	33	0.05	61061	98.83
650	433	0.70	37190	60.20	**697**	246	0.40	55183	89.32	**744**	47	0.08	61108	98.91
651	511	0.83	37701	61.02	**698**	259	0.42	55442	89.74	**745**	47	0.08	61155	98.99
652	480	0.78	38181	61.80	**699**	235	0.38	55677	90.12	**746**	34	0.06	61189	99.04
653	476	0.77	38657	62.57	**700**	232	0.38	55909	90.49	**747**	38	0.06	61227	99.10
654	483	0.78	39140	63.35	**701**	220	0.36	56129	90.85	**748**	34	0.06	61261	99.16
655	492	0.80	39632	64.15	**702**	239	0.39	56368	91.24	**749**	31	0.05	61292	99.21
656	448	0.73	40080	64.87	**703**	193	0.31	56561	91.55	**750**	28	0.05	61320	99.25
657	464	0.75	40544	65.62	**704**	220	0.36	56781	91.91	**751**	31	0.05	61351	99.30
658	465	0.75	41009	66.38	**705**	209	0.34	56990	92.24	**752**	31	0.05	61382	99.35
659	406	0.66	41415	67.03	**706**	205	0.33	57195	92.58	**753**	25	0.04	61407	99.39
660	434	0.70	41849	67.74	**707**	212	0.34	57407	92.92	**754**	15	0.02	61422	99.42
661	426	0.69	42275	68.43	**708**	185	0.30	57592	93.22	**755**	24	0.04	61446	99.46
662	460	0.74	42735	69.17	**709**	173	0.28	57765	93.50	**756**	14	0.02	61460	99.48
663	426	0.69	43161	69.86	**710**	191	0.31	57956	93.81	**757**	23	0.04	61483	99.52
664	435	0.70	43596	70.56	**711**	186	0.30	58142	94.11	**758**	14	0.02	61497	99.54
665	438	0.71	44034	71.27	**712**	160	0.26	58302	94.37	**759**	16	0.03	61513	99.56
666	421	0.68	44455	71.95	**713**	150	0.24	58452	94.61	**760**	17	0.03	61530	99.59
667	440	0.71	44895	72.67	**714**	165	0.27	58617	94.88	**761**	24	0.04	61554	99.63
668	423	0.68	45318	73.35	**715**	142	0.23	58759	95.11	**762**	12	0.02	61566	99.65
669	418	0.68	45736	74.03	**716**	135	0.22	58894	95.33	**763**	12	0.02	61578	99.67
670	412	0.67	46148	74.69	**717**	134	0.22	59028	95.54	**764**	4	0.01	61582	99.68
671	441	0.71	46589	75.41	**718**	138	0.22	59166	95.77	**765**	12	0.02	61594	99.70
672	398	0.64	46987	76.05	**719**	116	0.19	59282	95.95	**766**	15	0.02	61609	99.72
673	341	0.55	47328	76.60	**720**	101	0.16	59383	96.12	**767**	8	0.01	61617	99.73
674	403	0.65	47731	77.26	**721**	127	0.21	59510	96.32	**768**	10	0.02	61627	99.75
675	407	0.66	48138	77.92	**722**	131	0.21	59641	96.53	**769**	8	0.01	61635	99.76
676	393	0.64	48531	78.55	**723**	103	0.17	59744	96.70	**770**	7	0.01	61642	99.77
677	355	0.57	48886	79.13	**724**	102	0.17	59846	96.87	**771**	4	0.01	61646	99.78
678	349	0.56	49235	79.69	**725**	83	0.13	59929	97.00	**772**	11	0.02	61657	99.80
679	354	0.57	49589	80.26	**726**	98	0.16	60027	97.16	**773**	7	0.01	61664	99.81
680	355	0.57	49944	80.84	**727**	79	0.13	60106	97.29	**774**	5	0.01	61669	99.82
681	379	0.61	50323	81.45	**728**	77	0.12	60183	97.41	**775**	7	0.01	61676	99.83
682	331	0.54	50654	81.99	**729**	80	0.13	60263	97.54	**776**	6	0.01	61682	99.84
683	345	0.56	50999	82.55	**730**	85	0.14	60348	97.68	**777**	6	0.01	61688	99.85

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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 %
778	5	0.01	61693	99.86
779	4	0.01	61697	99.86
780	4	0.01	61701	99.87
781	3	0.00	61704	99.87
782	2	0.00	61706	99.88
783	6	0.01	61712	99.89
784	5	0.01	61717	99.89
785	5	0.01	61722	99.90
786	1	0.00	61723	99.90
787	4	0.01	61727	99.91
788	1	0.00	61728	99.91
789	6	0.01	61734	99.92
790	3	0.00	61737	99.93
791	7	0.01	61744	99.94
792	1	0.00	61745	99.94
793	2	0.00	61747	99.94
794	3	0.00	61750	99.95
795	1	0.00	61751	99.95
796	3	0.00	61754	99.95
797	1	0.00	61755	99.96
798	3	0.00	61758	99.96
799	1	0.00	61759	99.96
801	2	0.00	61761	99.97
802	1	0.00	61762	99.97
804	3	0.00	61765	99.97
805	2	0.00	61767	99.98
806	1	0.00	61768	99.98
807	2	0.00	61770	99.98
810	1	0.00	61771	99.98
812	1	0.00	61772	99.98
815	1	0.00	61773	99.99
819	1	0.00	61774	99.99
820	1	0.00	61775	99.99
821	1	0.00	61776	99.99
833	1	0.00	61777	99.99
837	1	0.00	61778	99.99
839	1	0.00	61779	100.00
844	1	0.00	61780	100.00
860	1	0.00	61781	100.00
861	1	0.00	61782	100.00

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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	17	0.03	17	0.03	**303**	2	0.00	97	0.16	**352**	8	0.01	347	0.56
233	1	0.00	18	0.03	**305**	3	0.00	100	0.16	**353**	7	0.01	354	0.57
238	2	0.00	20	0.03	**307**	2	0.00	102	0.17	**354**	10	0.02	364	0.59
240	1	0.00	21	0.03	**308**	2	0.00	104	0.17	**355**	11	0.02	375	0.61
241	2	0.00	23	0.04	**309**	1	0.00	105	0.17	**356**	9	0.01	384	0.62
242	3	0.00	26	0.04	**310**	4	0.01	109	0.18	**357**	8	0.01	392	0.63
244	2	0.00	28	0.05	**311**	4	0.01	113	0.18	**358**	18	0.03	410	0.66
245	1	0.00	29	0.05	**312**	1	0.00	114	0.18	**359**	12	0.02	422	0.68
248	1	0.00	30	0.05	**313**	5	0.01	119	0.19	**360**	6	0.01	428	0.69
249	4	0.01	34	0.06	**314**	5	0.01	124	0.20	**361**	15	0.02	443	0.72
251	1	0.00	35	0.06	**315**	7	0.01	131	0.21	**362**	16	0.03	459	0.74
252	1	0.00	36	0.06	**316**	2	0.00	133	0.22	**363**	14	0.02	473	0.77
254	1	0.00	37	0.06	**317**	8	0.01	141	0.23	**364**	12	0.02	485	0.79
258	2	0.00	39	0.06	**318**	5	0.01	146	0.24	**365**	16	0.03	501	0.81
260	1	0.00	40	0.06	**319**	1	0.00	147	0.24	**366**	14	0.02	515	0.83
262	1	0.00	41	0.07	**320**	4	0.01	151	0.24	**367**	13	0.02	528	0.86
263	1	0.00	42	0.07	**321**	1	0.00	152	0.25	**368**	16	0.03	544	0.88
264	2	0.00	44	0.07	**322**	2	0.00	154	0.25	**369**	14	0.02	558	0.90
265	1	0.00	45	0.07	**323**	7	0.01	161	0.26	**370**	12	0.02	570	0.92
267	1	0.00	46	0.07	**324**	4	0.01	165	0.27	**371**	16	0.03	586	0.95
270	2	0.00	48	0.08	**325**	3	0.00	168	0.27	**372**	21	0.03	607	0.98
271	1	0.00	49	0.08	**326**	6	0.01	174	0.28	**373**	21	0.03	628	1.02
273	1	0.00	50	0.08	**327**	4	0.01	178	0.29	**374**	21	0.03	649	1.05
274	3	0.00	53	0.09	**328**	9	0.01	187	0.30	**375**	27	0.04	676	1.09
276	1	0.00	54	0.09	**329**	4	0.01	191	0.31	**376**	31	0.05	707	1.15
277	1	0.00	55	0.09	**330**	8	0.01	199	0.32	**377**	17	0.03	724	1.17
278	2	0.00	57	0.09	**331**	4	0.01	203	0.33	**378**	30	0.05	754	1.22
279	1	0.00	58	0.09	**332**	4	0.01	207	0.34	**379**	21	0.03	775	1.26
281	2	0.00	60	0.10	**333**	7	0.01	214	0.35	**380**	23	0.04	798	1.29
282	4	0.01	64	0.10	**334**	8	0.01	222	0.36	**381**	24	0.04	822	1.33
283	2	0.00	66	0.11	**335**	4	0.01	226	0.37	**382**	24	0.04	846	1.37
284	2	0.00	68	0.11	**336**	7	0.01	233	0.38	**383**	32	0.05	878	1.42
285	2	0.00	70	0.11	**337**	2	0.00	235	0.38	**384**	36	0.06	914	1.48
286	1	0.00	71	0.11	**338**	8	0.01	243	0.39	**385**	31	0.05	945	1.53
287	2	0.00	73	0.12	**339**	7	0.01	250	0.40	**386**	39	0.06	984	1.59
289	1	0.00	74	0.12	**340**	9	0.01	259	0.42	**387**	29	0.05	1013	1.64
290	1	0.00	75	0.12	**341**	9	0.01	268	0.43	**388**	34	0.06	1047	1.70
291	1	0.00	76	0.12	**342**	4	0.01	272	0.44	**389**	31	0.05	1078	1.75
292	2	0.00	78	0.13	**343**	7	0.01	279	0.45	**390**	41	0.07	1119	1.81
293	2	0.00	80	0.13	**344**	7	0.01	286	0.46	**391**	38	0.06	1157	1.87
294	3	0.00	83	0.13	**345**	10	0.02	296	0.48	**392**	49	0.08	1206	1.95
295	2	0.00	85	0.14	**346**	7	0.01	303	0.49	**393**	30	0.05	1236	2.00
296	1	0.00	86	0.14	**347**	8	0.01	311	0.50	**394**	29	0.05	1265	2.05
297	2	0.00	88	0.14	**348**	8	0.01	319	0.52	**395**	41	0.07	1306	2.12
299	3	0.00	91	0.15	**349**	4	0.01	323	0.52	**396**	41	0.07	1347	2.18
301	2	0.00	93	0.15	**350**	6	0.01	329	0.53	**397**	52	0.08	1399	2.27
302	2	0.00	95	0.15	**351**	10	0.02	339	0.55	**398**	47	0.08	1446	2.34

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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 %
399	42	0.07	1488	2.41	**446**	186	0.30	6475	10.49	**493**	365	0.59	19395	31.41
400	54	0.09	1542	2.50	**447**	185	0.30	6660	10.79	**494**	406	0.66	19801	32.07
401	47	0.08	1589	2.57	**448**	185	0.30	6845	11.09	**495**	378	0.61	20179	32.68
402	53	0.09	1642	2.66	**449**	203	0.33	7048	11.42	**496**	353	0.57	20532	33.25
403	59	0.10	1701	2.76	**450**	204	0.33	7252	11.75	**497**	384	0.62	20916	33.88
404	68	0.11	1769	2.87	**451**	200	0.32	7452	12.07	**498**	382	0.62	21298	34.50
405	54	0.09	1823	2.95	**452**	203	0.33	7655	12.40	**499**	385	0.62	21683	35.12
406	59	0.10	1882	3.05	**453**	187	0.30	7842	12.70	**500**	408	0.66	22091	35.78
407	70	0.11	1952	3.16	**454**	225	0.36	8067	13.07	**501**	375	0.61	22466	36.39
408	56	0.09	2008	3.25	**455**	199	0.32	8266	13.39	**502**	386	0.63	22852	37.01
409	75	0.12	2083	3.37	**456**	224	0.36	8490	13.75	**503**	414	0.67	23266	37.68
410	74	0.12	2157	3.49	**457**	223	0.36	8713	14.11	**504**	385	0.62	23651	38.31
411	77	0.12	2234	3.62	**458**	211	0.34	8924	14.45	**505**	383	0.62	24034	38.93
412	59	0.10	2293	3.71	**459**	227	0.37	9151	14.82	**506**	404	0.65	24438	39.58
413	75	0.12	2368	3.84	**460**	249	0.40	9400	15.22	**507**	431	0.70	24869	40.28
414	88	0.14	2456	3.98	**461**	261	0.42	9661	15.65	**508**	435	0.70	25304	40.98
415	78	0.13	2534	4.10	**462**	244	0.40	9905	16.04	**509**	410	0.66	25714	41.65
416	99	0.16	2633	4.26	**463**	233	0.38	10138	16.42	**510**	413	0.67	26127	42.32
417	85	0.14	2718	4.40	**464**	241	0.39	10379	16.81	**511**	403	0.65	26530	42.97
418	102	0.17	2820	4.57	**465**	241	0.39	10620	17.20	**512**	411	0.67	26941	43.63
419	111	0.18	2931	4.75	**466**	254	0.41	10874	17.61	**513**	434	0.70	27375	44.34
420	99	0.16	3030	4.91	**467**	249	0.40	11123	18.02	**514**	452	0.73	27827	45.07
421	105	0.17	3135	5.08	**468**	247	0.40	11370	18.42	**515**	446	0.72	28273	45.79
422	94	0.15	3229	5.23	**469**	216	0.35	11586	18.77	**516**	448	0.73	28721	46.52
423	106	0.17	3335	5.40	**470**	271	0.44	11857	19.20	**517**	427	0.69	29148	47.21
424	91	0.15	3426	5.55	**471**	265	0.43	12122	19.63	**518**	426	0.69	29574	47.90
425	134	0.22	3560	5.77	**472**	272	0.44	12394	20.07	**519**	465	0.75	30039	48.65
426	101	0.16	3661	5.93	**473**	284	0.46	12678	20.53	**520**	458	0.74	30497	49.39
427	105	0.17	3766	6.10	**474**	273	0.44	12951	20.98	**521**	471	0.76	30968	50.16
428	125	0.20	3891	6.30	**475**	289	0.47	13240	21.44	**522**	467	0.76	31435	50.91
429	107	0.17	3998	6.48	**476**	311	0.50	13551	21.95	**523**	373	0.60	31808	51.52
430	126	0.20	4124	6.68	**477**	310	0.50	13861	22.45	**524**	416	0.67	32224	52.19
431	110	0.18	4234	6.86	**478**	351	0.57	14212	23.02	**525**	433	0.70	32657	52.89
432	125	0.20	4359	7.06	**479**	336	0.54	14548	23.56	**526**	429	0.69	33086	53.59
433	146	0.24	4505	7.30	**480**	307	0.50	14855	24.06	**527**	397	0.64	33483	54.23
434	146	0.24	4651	7.53	**481**	348	0.56	15203	24.62	**528**	439	0.71	33922	54.94
435	116	0.19	4767	7.72	**482**	302	0.49	15505	25.11	**529**	411	0.67	34333	55.61
436	111	0.18	4878	7.90	**483**	322	0.52	15827	25.63	**530**	401	0.65	34734	56.26
437	138	0.22	5016	8.12	**484**	351	0.57	16178	26.20	**531**	371	0.60	35105	56.86
438	151	0.24	5167	8.37	**485**	345	0.56	16523	26.76	**532**	402	0.65	35507	57.51
439	158	0.26	5325	8.62	**486**	349	0.57	16872	27.33	**533**	420	0.68	35927	58.19
440	156	0.25	5481	8.88	**487**	349	0.57	17221	27.89	**534**	411	0.67	36338	58.85
441	150	0.24	5631	9.12	**488**	355	0.57	17576	28.47	**535**	426	0.69	36764	59.54
442	181	0.29	5812	9.41	**489**	338	0.55	17914	29.01	**536**	392	0.63	37156	60.18
443	168	0.27	5980	9.69	**490**	386	0.63	18300	29.64	**537**	429	0.69	37585	60.87
444	166	0.27	6146	9.95	**491**	374	0.61	18674	30.25	**538**	408	0.66	37993	61.54
445	143	0.23	6289	10.19	**492**	356	0.58	19030	30.82	**539**	407	0.66	38400	62.19

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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 %
540	408	0.66	38808	62.86	**587**	226	0.37	53626	86.85	**634**	49	0.08	59740	96.76
541	386	0.63	39194	63.48	**588**	248	0.40	53874	87.26	**635**	54	0.09	59794	96.84
542	393	0.64	39587	64.12	**589**	202	0.33	54076	87.58	**636**	66	0.11	59860	96.95
543	390	0.63	39977	64.75	**590**	205	0.33	54281	87.92	**637**	51	0.08	59911	97.03
544	410	0.66	40387	65.41	**591**	208	0.34	54489	88.25	**638**	71	0.11	59982	97.15
545	416	0.67	40803	66.09	**592**	187	0.30	54676	88.56	**639**	53	0.09	60035	97.24
546	376	0.61	41179	66.70	**593**	201	0.33	54877	88.88	**640**	53	0.09	60088	97.32
547	387	0.63	41566	67.32	**594**	182	0.29	55059	89.18	**641**	58	0.09	60146	97.42
548	352	0.57	41918	67.89	**595**	187	0.30	55246	89.48	**642**	51	0.08	60197	97.50
549	371	0.60	42289	68.49	**596**	175	0.28	55421	89.76	**643**	45	0.07	60242	97.57
550	368	0.60	42657	69.09	**597**	171	0.28	55592	90.04	**644**	50	0.08	60292	97.65
551	351	0.57	43008	69.66	**598**	188	0.30	55780	90.34	**645**	45	0.07	60337	97.72
552	376	0.61	43384	70.27	**599**	152	0.25	55932	90.59	**646**	39	0.06	60376	97.79
553	362	0.59	43746	70.85	**600**	175	0.28	56107	90.87	**647**	42	0.07	60418	97.86
554	346	0.56	44092	71.41	**601**	165	0.27	56272	91.14	**648**	46	0.07	60464	97.93
555	340	0.55	44432	71.96	**602**	173	0.28	56445	91.42	**649**	58	0.09	60522	98.02
556	338	0.55	44770	72.51	**603**	146	0.24	56591	91.66	**650**	40	0.06	60562	98.09
557	325	0.53	45095	73.04	**604**	132	0.21	56723	91.87	**651**	37	0.06	60599	98.15
558	326	0.53	45421	73.57	**605**	148	0.24	56871	92.11	**652**	24	0.04	60623	98.19
559	342	0.55	45763	74.12	**606**	145	0.23	57016	92.35	**653**	47	0.08	60670	98.26
560	381	0.62	46144	74.74	**607**	131	0.21	57147	92.56	**654**	42	0.07	60712	98.33
561	360	0.58	46504	75.32	**608**	156	0.25	57303	92.81	**655**	31	0.05	60743	98.38
562	322	0.52	46826	75.84	**609**	101	0.16	57404	92.97	**656**	31	0.05	60774	98.43
563	310	0.50	47136	76.34	**610**	129	0.21	57533	93.18	**657**	18	0.03	60792	98.46
564	321	0.52	47457	76.86	**611**	119	0.19	57652	93.38	**658**	31	0.05	60823	98.51
565	297	0.48	47754	77.34	**612**	115	0.19	57767	93.56	**659**	29	0.05	60852	98.56
566	272	0.44	48026	77.78	**613**	123	0.20	57890	93.76	**660**	20	0.03	60872	98.59
567	332	0.54	48358	78.32	**614**	103	0.17	57993	93.93	**661**	34	0.06	60906	98.65
568	339	0.55	48697	78.87	**615**	107	0.17	58100	94.10	**662**	17	0.03	60923	98.67
569	292	0.47	48989	79.34	**616**	101	0.16	58201	94.26	**663**	20	0.03	60943	98.71
570	325	0.53	49314	79.87	**617**	110	0.18	58311	94.44	**664**	23	0.04	60966	98.74
571	263	0.43	49577	80.30	**618**	106	0.17	58417	94.61	**665**	36	0.06	61002	98.80
572	315	0.51	49892	80.81	**619**	106	0.17	58523	94.79	**666**	18	0.03	61020	98.83
573	292	0.47	50184	81.28	**620**	103	0.17	58626	94.95	**667**	15	0.02	61035	98.85
574	255	0.41	50439	81.69	**621**	94	0.15	58720	95.11	**668**	21	0.03	61056	98.89
575	284	0.46	50723	82.15	**622**	79	0.13	58799	95.23	**669**	24	0.04	61080	98.93
576	280	0.45	51003	82.61	**623**	106	0.17	58905	95.41	**670**	20	0.03	61100	98.96
577	265	0.43	51268	83.04	**624**	97	0.16	59002	95.56	**671**	13	0.02	61113	98.98
578	212	0.34	51480	83.38	**625**	77	0.12	59079	95.69	**672**	30	0.05	61143	99.03
579	253	0.41	51733	83.79	**626**	85	0.14	59164	95.82	**673**	21	0.03	61164	99.06
580	260	0.42	51993	84.21	**627**	90	0.15	59254	95.97	**674**	14	0.02	61178	99.09
581	253	0.41	52246	84.62	**628**	72	0.12	59326	96.09	**675**	11	0.02	61189	99.10
582	236	0.38	52482	85.00	**629**	63	0.10	59389	96.19	**676**	7	0.01	61196	99.12
583	258	0.42	52740	85.42	**630**	85	0.14	59474	96.33	**677**	10	0.02	61206	99.13
584	237	0.38	52977	85.80	**631**	76	0.12	59550	96.45	**678**	14	0.02	61220	99.15
585	213	0.34	53190	86.15	**632**	83	0.13	59633	96.58	**679**	12	0.02	61232	99.17
586	210	0.34	53400	86.49	**633**	58	0.09	59691	96.68	**680**	16	0.03	61248	99.20

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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 %
681	18	0.03	61266	99.23	**732**	4	0.01	61617	99.80
682	18	0.03	61284	99.26	**733**	2	0.00	61619	99.80
683	8	0.01	61292	99.27	**734**	17	0.03	61636	99.83
684	10	0.02	61302	99.29	**735**	1	0.00	61637	99.83
685	7	0.01	61309	99.30	**736**	2	0.00	61639	99.83
686	18	0.03	61327	99.33	**737**	3	0.00	61642	99.84
687	13	0.02	61340	99.35	**739**	11	0.02	61653	99.86
688	5	0.01	61345	99.36	**742**	1	0.00	61654	99.86
689	7	0.01	61352	99.37	**744**	2	0.00	61656	99.86
690	18	0.03	61370	99.40	**745**	7	0.01	61663	99.87
691	12	0.02	61382	99.42	**746**	1	0.00	61664	99.87
692	7	0.01	61389	99.43	**749**	1	0.00	61665	99.88
693	2	0.00	61391	99.43	**754**	2	0.00	61667	99.88
694	8	0.01	61399	99.44	**760**	2	0.00	61669	99.88
695	9	0.01	61408	99.46	**765**	4	0.01	61673	99.89
696	10	0.02	61418	99.48	**767**	5	0.01	61678	99.90
697	19	0.03	61437	99.51	**768**	1	0.00	61679	99.90
698	1	0.00	61438	99.51	**770**	6	0.01	61685	99.91
699	11	0.02	61449	99.53	**786**	31	0.05	61716	99.96
700	17	0.03	61466	99.55	**790**	6	0.01	61722	99.97
701	15	0.02	61481	99.58	**796**	1	0.00	61723	99.97
702	6	0.01	61487	99.59	**798**	1	0.00	61724	99.97
703	9	0.01	61496	99.60	**803**	3	0.00	61727	99.98
704	1	0.00	61497	99.60	**840**	15	0.02	61742	100.00
705	3	0.00	61500	99.61					
706	7	0.01	61507	99.62					
707	3	0.00	61510	99.62					
708	7	0.01	61517	99.64					
709	30	0.05	61547	99.68					
711	7	0.01	61554	99.70					
712	1	0.00	61555	99.70					
713	4	0.01	61559	99.70					
714	4	0.01	61563	99.71					
715	8	0.01	61571	99.72					
717	2	0.00	61573	99.73					
718	2	0.00	61575	99.73					
719	1	0.00	61576	99.73					
720	1	0.00	61577	99.73					
721	8	0.01	61585	99.75					
722	5	0.01	61590	99.75					
723	2	0.00	61592	99.76					
724	9	0.01	61601	99.77					
725	2	0.00	61603	99.77					
726	2	0.00	61605	99.78					
729	2	0.00	61607	99.78					
730	5	0.01	61612	99.79					
731	1	0.00	61613	99.79					

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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	180	0.29	180	0.29	**291**	5	0.01	327	0.53	**338**	14	0.02	724	1.18
241	2	0.00	182	0.30	**292**	5	0.01	332	0.54	**339**	13	0.02	737	1.20
243	1	0.00	183	0.30	**293**	8	0.01	340	0.55	**340**	13	0.02	750	1.22
244	1	0.00	184	0.30	**294**	5	0.01	345	0.56	**341**	23	0.04	773	1.26
245	6	0.01	190	0.31	**295**	7	0.01	352	0.57	**342**	11	0.02	784	1.27
246	3	0.00	193	0.31	**296**	5	0.01	357	0.58	**343**	10	0.02	794	1.29
247	4	0.01	197	0.32	**297**	2	0.00	359	0.58	**344**	10	0.02	804	1.31
249	4	0.01	201	0.33	**298**	8	0.01	367	0.60	**345**	12	0.02	816	1.33
250	2	0.00	203	0.33	**299**	3	0.00	370	0.60	**346**	12	0.02	828	1.34
252	2	0.00	205	0.33	**300**	6	0.01	376	0.61	**347**	15	0.02	843	1.37
253	5	0.01	210	0.34	**301**	4	0.01	380	0.62	**348**	19	0.03	862	1.40
254	2	0.00	212	0.34	**302**	6	0.01	386	0.63	**349**	13	0.02	875	1.42
255	2	0.00	214	0.35	**303**	4	0.01	390	0.63	**350**	4	0.01	879	1.43
256	1	0.00	215	0.35	**304**	5	0.01	395	0.64	**351**	14	0.02	893	1.45
257	4	0.01	219	0.36	**305**	5	0.01	400	0.65	**352**	14	0.02	907	1.47
258	1	0.00	220	0.36	**306**	5	0.01	405	0.66	**353**	20	0.03	927	1.51
259	4	0.01	224	0.36	**307**	10	0.02	415	0.67	**354**	31	0.05	958	1.56
260	3	0.00	227	0.37	**308**	7	0.01	422	0.69	**355**	20	0.03	978	1.59
261	3	0.00	230	0.37	**309**	6	0.01	428	0.70	**356**	22	0.04	1000	1.62
262	4	0.01	234	0.38	**310**	4	0.01	432	0.70	**357**	23	0.04	1023	1.66
263	4	0.01	238	0.39	**311**	7	0.01	439	0.71	**358**	19	0.03	1042	1.69
264	1	0.00	239	0.39	**312**	4	0.01	443	0.72	**359**	17	0.03	1059	1.72
265	4	0.01	243	0.39	**313**	7	0.01	450	0.73	**360**	26	0.04	1085	1.76
266	1	0.00	244	0.40	**314**	10	0.02	460	0.75	**361**	27	0.04	1112	1.81
267	2	0.00	246	0.40	**315**	7	0.01	467	0.76	**362**	25	0.04	1137	1.85
268	3	0.00	249	0.40	**316**	8	0.01	475	0.77	**363**	20	0.03	1157	1.88
269	4	0.01	253	0.41	**317**	12	0.02	487	0.79	**364**	25	0.04	1182	1.92
270	2	0.00	255	0.41	**318**	7	0.01	494	0.80	**365**	30	0.05	1212	1.97
271	3	0.00	258	0.42	**319**	6	0.01	500	0.81	**366**	23	0.04	1235	2.01
272	6	0.01	264	0.43	**320**	6	0.01	506	0.82	**367**	19	0.03	1254	2.04
273	1	0.00	265	0.43	**321**	14	0.02	520	0.84	**368**	20	0.03	1274	2.07
274	2	0.00	267	0.43	**322**	10	0.02	530	0.86	**369**	24	0.04	1298	2.11
275	2	0.00	269	0.44	**323**	12	0.02	542	0.88	**370**	35	0.06	1333	2.16
276	2	0.00	271	0.44	**324**	9	0.01	551	0.89	**371**	26	0.04	1359	2.21
278	5	0.01	276	0.45	**325**	11	0.02	562	0.91	**372**	20	0.03	1379	2.24
279	5	0.01	281	0.46	**326**	8	0.01	570	0.93	**373**	22	0.04	1401	2.28
280	4	0.01	285	0.46	**327**	10	0.02	580	0.94	**374**	34	0.06	1435	2.33
281	4	0.01	289	0.47	**328**	12	0.02	592	0.96	**375**	28	0.05	1463	2.38
282	2	0.00	291	0.47	**329**	16	0.03	608	0.99	**376**	29	0.05	1492	2.42
283	3	0.00	294	0.48	**330**	16	0.03	624	1.01	**377**	28	0.05	1520	2.47
284	8	0.01	302	0.49	**331**	15	0.02	639	1.04	**378**	30	0.05	1550	2.52
285	3	0.00	305	0.50	**332**	7	0.01	646	1.05	**379**	41	0.07	1591	2.58
286	4	0.01	309	0.50	**333**	13	0.02	659	1.07	**380**	37	0.06	1628	2.64
287	1	0.00	310	0.50	**334**	6	0.01	665	1.08	**381**	39	0.06	1667	2.71
288	2	0.00	312	0.51	**335**	14	0.02	679	1.10	**382**	35	0.06	1702	2.76
289	7	0.01	319	0.52	**336**	18	0.03	697	1.13	**383**	22	0.04	1724	2.80
290	3	0.00	322	0.52	**337**	13	0.02	710	1.15	**384**	31	0.05	1755	2.85

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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 %
385	30	0.05	1785	2.90	**432**	114	0.19	4906	7.97	**479**	243	0.39	12434	20.19
386	33	0.05	1818	2.95	**433**	95	0.15	5001	8.12	**480**	213	0.35	12647	20.54
387	36	0.06	1854	3.01	**434**	125	0.20	5126	8.32	**481**	223	0.36	12870	20.90
388	40	0.06	1894	3.08	**435**	105	0.17	5231	8.49	**482**	217	0.35	13087	21.25
389	39	0.06	1933	3.14	**436**	125	0.20	5356	8.70	**483**	244	0.40	13331	21.65
390	39	0.06	1972	3.20	**437**	112	0.18	5468	8.88	**484**	260	0.42	13591	22.07
391	50	0.08	2022	3.28	**438**	119	0.19	5587	9.07	**485**	230	0.37	13821	22.44
392	40	0.06	2062	3.35	**439**	107	0.17	5694	9.25	**486**	234	0.38	14055	22.82
393	56	0.09	2118	3.44	**440**	104	0.17	5798	9.42	**487**	243	0.39	14298	23.22
394	47	0.08	2165	3.52	**441**	134	0.22	5932	9.63	**488**	238	0.39	14536	23.61
395	42	0.07	2207	3.58	**442**	116	0.19	6048	9.82	**489**	257	0.42	14793	24.02
396	51	0.08	2258	3.67	**443**	126	0.20	6174	10.03	**490**	260	0.42	15053	24.45
397	47	0.08	2305	3.74	**444**	139	0.23	6313	10.25	**491**	283	0.46	15336	24.90
398	53	0.09	2358	3.83	**445**	126	0.20	6439	10.46	**492**	270	0.44	15606	25.34
399	51	0.08	2409	3.91	**446**	130	0.21	6569	10.67	**493**	255	0.41	15861	25.76
400	50	0.08	2459	3.99	**447**	128	0.21	6697	10.88	**494**	268	0.44	16129	26.19
401	45	0.07	2504	4.07	**448**	135	0.22	6832	11.09	**495**	259	0.42	16388	26.61
402	50	0.08	2554	4.15	**449**	138	0.22	6970	11.32	**496**	298	0.48	16686	27.10
403	51	0.08	2605	4.23	**450**	136	0.22	7106	11.54	**497**	242	0.39	16928	27.49
404	64	0.10	2669	4.33	**451**	137	0.22	7243	11.76	**498**	279	0.45	17207	27.94
405	51	0.08	2720	4.42	**452**	152	0.25	7395	12.01	**499**	279	0.45	17486	28.40
406	62	0.10	2782	4.52	**453**	151	0.25	7546	12.25	**500**	292	0.47	17778	28.87
407	73	0.12	2855	4.64	**454**	153	0.25	7699	12.50	**501**	286	0.46	18064	29.33
408	69	0.11	2924	4.75	**455**	159	0.26	7858	12.76	**502**	299	0.49	18363	29.82
409	64	0.10	2988	4.85	**456**	149	0.24	8007	13.00	**503**	288	0.47	18651	30.29
410	76	0.12	3064	4.98	**457**	142	0.23	8149	13.23	**504**	272	0.44	18923	30.73
411	75	0.12	3139	5.10	**458**	155	0.25	8304	13.49	**505**	294	0.48	19217	31.21
412	56	0.09	3195	5.19	**459**	175	0.28	8479	13.77	**506**	271	0.44	19488	31.65
413	74	0.12	3269	5.31	**460**	173	0.28	8652	14.05	**507**	291	0.47	19779	32.12
414	64	0.10	3333	5.41	**461**	149	0.24	8801	14.29	**508**	285	0.46	20064	32.58
415	64	0.10	3397	5.52	**462**	179	0.29	8980	14.58	**509**	311	0.51	20375	33.09
416	84	0.14	3481	5.65	**463**	195	0.32	9175	14.90	**510**	298	0.48	20673	33.57
417	55	0.09	3536	5.74	**464**	186	0.30	9361	15.20	**511**	297	0.48	20970	34.05
418	87	0.14	3623	5.88	**465**	169	0.27	9530	15.48	**512**	293	0.48	21263	34.53
419	83	0.13	3706	6.02	**466**	207	0.34	9737	15.81	**513**	299	0.49	21562	35.02
420	74	0.12	3780	6.14	**467**	165	0.27	9902	16.08	**514**	340	0.55	21902	35.57
421	60	0.10	3840	6.24	**468**	207	0.34	10109	16.42	**515**	346	0.56	22248	36.13
422	79	0.13	3919	6.36	**469**	174	0.28	10283	16.70	**516**	304	0.49	22552	36.62
423	96	0.16	4015	6.52	**470**	184	0.30	10467	17.00	**517**	307	0.50	22859	37.12
424	94	0.15	4109	6.67	**471**	190	0.31	10657	17.31	**518**	331	0.54	23190	37.66
425	96	0.16	4205	6.83	**472**	231	0.38	10888	17.68	**519**	325	0.53	23515	38.19
426	97	0.16	4302	6.99	**473**	224	0.36	11112	18.05	**520**	321	0.52	23836	38.71
427	105	0.17	4407	7.16	**474**	228	0.37	11340	18.42	**521**	337	0.55	24173	39.26
428	98	0.16	4505	7.32	**475**	190	0.31	11530	18.72	**522**	356	0.58	24529	39.83
429	94	0.15	4599	7.47	**476**	227	0.37	11757	19.09	**523**	304	0.49	24833	40.33
430	94	0.15	4693	7.62	**477**	218	0.35	11975	19.45	**524**	328	0.53	25161	40.86
431	99	0.16	4792	7.78	**478**	216	0.35	12191	19.80	**525**	302	0.49	25463	41.35

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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 %
526	313	0.51	25776	41.86	**573**	349	0.57	41755	67.81	**620**	204	0.33	54353	88.27
527	316	0.51	26092	42.37	**574**	326	0.53	42081	68.34	**621**	181	0.29	54534	88.56
528	373	0.61	26465	42.98	**575**	307	0.50	42388	68.84	**622**	195	0.32	54729	88.88
529	329	0.53	26794	43.51	**576**	315	0.51	42703	69.35	**623**	192	0.31	54921	89.19
530	342	0.56	27136	44.07	**577**	321	0.52	43024	69.87	**624**	191	0.31	55112	89.50
531	348	0.57	27484	44.63	**578**	292	0.47	43316	70.34	**625**	180	0.29	55292	89.79
532	339	0.55	27823	45.18	**579**	308	0.50	43624	70.84	**626**	171	0.28	55463	90.07
533	347	0.56	28170	45.75	**580**	327	0.53	43951	71.37	**627**	184	0.30	55647	90.37
534	327	0.53	28497	46.28	**581**	317	0.51	44268	71.89	**628**	170	0.28	55817	90.64
535	334	0.54	28831	46.82	**582**	305	0.50	44573	72.38	**629**	177	0.29	55994	90.93
536	343	0.56	29174	47.38	**583**	296	0.48	44869	72.86	**630**	169	0.27	56163	91.20
537	347	0.56	29521	47.94	**584**	309	0.50	45178	73.37	**631**	128	0.21	56291	91.41
538	335	0.54	29856	48.48	**585**	288	0.47	45466	73.83	**632**	160	0.26	56451	91.67
539	346	0.56	30202	49.05	**586**	312	0.51	45778	74.34	**633**	123	0.20	56574	91.87
540	336	0.55	30538	49.59	**587**	288	0.47	46066	74.81	**634**	162	0.26	56736	92.14
541	371	0.60	30909	50.19	**588**	289	0.47	46355	75.28	**635**	132	0.21	56868	92.35
542	336	0.55	31245	50.74	**589**	286	0.46	46641	75.74	**636**	159	0.26	57027	92.61
543	334	0.54	31579	51.28	**590**	322	0.52	46963	76.26	**637**	134	0.22	57161	92.83
544	368	0.60	31947	51.88	**591**	275	0.45	47238	76.71	**638**	142	0.23	57303	93.06
545	352	0.57	32299	52.45	**592**	255	0.41	47493	77.13	**639**	155	0.25	57458	93.31
546	344	0.56	32643	53.01	**593**	292	0.47	47785	77.60	**640**	150	0.24	57608	93.55
547	325	0.53	32968	53.54	**594**	286	0.46	48071	78.06	**641**	127	0.21	57735	93.76
548	330	0.54	33298	54.07	**595**	267	0.43	48338	78.50	**642**	116	0.19	57851	93.95
549	362	0.59	33660	54.66	**596**	272	0.44	48610	78.94	**643**	150	0.24	58001	94.19
550	349	0.57	34009	55.23	**597**	272	0.44	48882	79.38	**644**	113	0.18	58114	94.37
551	325	0.53	34334	55.76	**598**	257	0.42	49139	79.80	**645**	118	0.19	58232	94.56
552	357	0.58	34691	56.34	**599**	272	0.44	49411	80.24	**646**	107	0.17	58339	94.74
553	310	0.50	35001	56.84	**600**	257	0.42	49668	80.66	**647**	102	0.17	58441	94.90
554	335	0.54	35336	57.38	**601**	264	0.43	49932	81.09	**648**	128	0.21	58569	95.11
555	352	0.57	35688	57.95	**602**	265	0.43	50197	81.52	**649**	102	0.17	58671	95.28
556	326	0.53	36014	58.48	**603**	253	0.41	50450	81.93	**650**	98	0.16	58769	95.44
557	321	0.52	36335	59.01	**604**	264	0.43	50714	82.36	**651**	110	0.18	58879	95.62
558	338	0.55	36673	59.55	**605**	265	0.43	50979	82.79	**652**	118	0.19	58997	95.81
559	313	0.51	36986	60.06	**606**	231	0.38	51210	83.16	**653**	93	0.15	59090	95.96
560	343	0.56	37329	60.62	**607**	240	0.39	51450	83.55	**654**	90	0.15	59180	96.10
561	334	0.54	37663	61.16	**608**	236	0.38	51686	83.93	**655**	88	0.14	59268	96.25
562	344	0.56	38007	61.72	**609**	259	0.42	51945	84.36	**656**	90	0.15	59358	96.39
563	350	0.57	38357	62.29	**610**	263	0.43	52208	84.78	**657**	90	0.15	59448	96.54
564	379	0.62	38736	62.90	**611**	217	0.35	52425	85.13	**658**	86	0.14	59534	96.68
565	346	0.56	39082	63.47	**612**	235	0.38	52660	85.52	**659**	78	0.13	59612	96.81
566	315	0.51	39397	63.98	**613**	226	0.37	52886	85.88	**660**	68	0.11	59680	96.92
567	333	0.54	39730	64.52	**614**	240	0.39	53126	86.27	**661**	80	0.13	59760	97.05
568	345	0.56	40075	65.08	**615**	243	0.39	53369	86.67	**662**	57	0.09	59817	97.14
569	330	0.54	40405	65.61	**616**	178	0.29	53547	86.96	**663**	74	0.12	59891	97.26
570	334	0.54	40739	66.16	**617**	202	0.33	53749	87.28	**664**	64	0.10	59955	97.36
571	359	0.58	41098	66.74	**618**	185	0.30	53934	87.59	**665**	76	0.12	60031	97.49
572	308	0.50	41406	67.24	**619**	215	0.35	54149	87.93	**666**	59	0.10	60090	97.58

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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 %
667	62	0.10	60152	97.68	**714**	11	0.02	61381	99.68	**780**	1	0.00	61554	99.96
668	54	0.09	60206	97.77	**715**	7	0.01	61388	99.69	**781**	2	0.00	61556	99.96
669	52	0.08	60258	97.85	**716**	5	0.01	61393	99.70	**783**	2	0.00	61558	99.97
670	44	0.07	60302	97.93	**717**	7	0.01	61400	99.71	**785**	2	0.00	61560	99.97
671	54	0.09	60356	98.01	**718**	5	0.01	61405	99.72	**792**	1	0.00	61561	99.97
672	62	0.10	60418	98.11	**719**	8	0.01	61413	99.73	**795**	2	0.00	61563	99.97
673	49	0.08	60467	98.19	**720**	11	0.02	61424	99.75	**799**	1	0.00	61564	99.98
674	44	0.07	60511	98.27	**721**	6	0.01	61430	99.76	**830**	15	0.02	61579	100.00
675	46	0.07	60557	98.34	**722**	2	0.00	61432	99.76					
676	41	0.07	60598	98.41	**724**	9	0.01	61441	99.78					
677	42	0.07	60640	98.48	**725**	4	0.01	61445	99.78					
678	44	0.07	60684	98.55	**726**	5	0.01	61450	99.79					
679	34	0.06	60718	98.60	**727**	3	0.00	61453	99.80					
680	32	0.05	60750	98.65	**728**	3	0.00	61456	99.80					
681	44	0.07	60794	98.73	**729**	2	0.00	61458	99.80					
682	32	0.05	60826	98.78	**731**	3	0.00	61461	99.81					
683	28	0.05	60854	98.82	**733**	5	0.01	61466	99.82					
684	29	0.05	60883	98.87	**734**	2	0.00	61468	99.82					
685	36	0.06	60919	98.93	**735**	9	0.01	61477	99.83					
686	29	0.05	60948	98.98	**736**	4	0.01	61481	99.84					
687	27	0.04	60975	99.02	**737**	3	0.00	61484	99.85					
688	29	0.05	61004	99.07	**738**	4	0.01	61488	99.85					
689	21	0.03	61025	99.10	**739**	1	0.00	61489	99.85					
690	16	0.03	61041	99.13	**742**	2	0.00	61491	99.86					
691	17	0.03	61058	99.15	**743**	5	0.01	61496	99.87					
692	18	0.03	61076	99.18	**744**	14	0.02	61510	99.89					
693	33	0.05	61109	99.24	**745**	4	0.01	61514	99.89					
694	24	0.04	61133	99.28	**746**	4	0.01	61518	99.90					
695	18	0.03	61151	99.30	**747**	1	0.00	61519	99.90					
696	22	0.04	61173	99.34	**748**	4	0.01	61523	99.91					
697	14	0.02	61187	99.36	**749**	3	0.00	61526	99.91					
698	11	0.02	61198	99.38	**750**	1	0.00	61527	99.92					
699	12	0.02	61210	99.40	**751**	1	0.00	61528	99.92					
700	18	0.03	61228	99.43	**752**	1	0.00	61529	99.92					
701	18	0.03	61246	99.46	**753**	1	0.00	61530	99.92					
702	13	0.02	61259	99.48	**755**	4	0.01	61534	99.93					
703	19	0.03	61278	99.51	**756**	1	0.00	61535	99.93					
704	18	0.03	61296	99.54	**757**	2	0.00	61537	99.93					
705	10	0.02	61306	99.56	**759**	3	0.00	61540	99.94					
706	10	0.02	61316	99.57	**760**	1	0.00	61541	99.94					
707	11	0.02	61327	99.59	**762**	2	0.00	61543	99.94					
708	15	0.02	61342	99.62	**765**	2	0.00	61545	99.94					
709	4	0.01	61346	99.62	**772**	1	0.00	61546	99.95					
710	5	0.01	61351	99.63	**773**	3	0.00	61549	99.95					
711	9	0.01	61360	99.64	**774**	1	0.00	61550	99.95					
712	6	0.01	61366	99.65	**775**	1	0.00	61551	99.95					
713	4	0.01	61370	99.66	**776**	2	0.00	61553	99.96					

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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	239	0.39	239	0.39	**381**	2	0.00	326	0.54	**429**	2	0.00	549	0.91
301	2	0.00	241	0.40	**382**	5	0.01	331	0.55	**430**	6	0.01	555	0.92
303	1	0.00	242	0.40	**383**	1	0.00	332	0.55	**431**	6	0.01	561	0.93
311	1	0.00	243	0.40	**384**	1	0.00	333	0.55	**432**	7	0.01	568	0.94
316	4	0.01	247	0.41	**385**	1	0.00	334	0.55	**433**	11	0.02	579	0.96
327	1	0.00	248	0.41	**386**	2	0.00	336	0.55	**434**	10	0.02	589	0.97
329	1	0.00	249	0.41	**387**	4	0.01	340	0.56	**435**	7	0.01	596	0.98
332	1	0.00	250	0.41	**388**	2	0.00	342	0.56	**436**	6	0.01	602	0.99
333	2	0.00	252	0.42	**389**	8	0.01	350	0.58	**437**	10	0.02	612	1.01
335	1	0.00	253	0.42	**390**	4	0.01	354	0.58	**438**	10	0.02	622	1.03
337	3	0.00	256	0.42	**391**	4	0.01	358	0.59	**439**	4	0.01	626	1.03
339	2	0.00	258	0.43	**392**	3	0.00	361	0.60	**440**	12	0.02	638	1.05
340	4	0.01	262	0.43	**393**	6	0.01	367	0.61	**441**	8	0.01	646	1.07
341	2	0.00	264	0.44	**394**	3	0.00	370	0.61	**442**	11	0.02	657	1.08
342	3	0.00	267	0.44	**395**	2	0.00	372	0.61	**443**	10	0.02	667	1.10
344	1	0.00	268	0.44	**396**	2	0.00	374	0.62	**444**	7	0.01	674	1.11
345	1	0.00	269	0.44	**397**	6	0.01	380	0.63	**445**	6	0.01	680	1.12
346	1	0.00	270	0.45	**398**	1	0.00	381	0.63	**446**	13	0.02	693	1.14
349	1	0.00	271	0.45	**399**	2	0.00	383	0.63	**447**	9	0.01	702	1.16
350	2	0.00	273	0.45	**401**	6	0.01	389	0.64	**448**	13	0.02	715	1.18
352	1	0.00	274	0.45	**402**	2	0.00	391	0.65	**449**	12	0.02	727	1.20
353	1	0.00	275	0.45	**403**	6	0.01	397	0.66	**450**	12	0.02	739	1.22
354	1	0.00	276	0.46	**404**	5	0.01	402	0.66	**451**	7	0.01	746	1.23
355	1	0.00	277	0.46	**405**	3	0.00	405	0.67	**452**	12	0.02	758	1.25
356	1	0.00	278	0.46	**406**	5	0.01	410	0.68	**453**	10	0.02	768	1.27
357	2	0.00	280	0.46	**407**	7	0.01	417	0.69	**454**	11	0.02	779	1.29
358	2	0.00	282	0.47	**408**	4	0.01	421	0.70	**455**	15	0.02	794	1.31
359	2	0.00	284	0.47	**409**	5	0.01	426	0.70	**456**	11	0.02	805	1.33
361	1	0.00	285	0.47	**410**	2	0.00	428	0.71	**457**	13	0.02	818	1.35
362	3	0.00	288	0.48	**411**	7	0.01	435	0.72	**458**	27	0.04	845	1.40
363	5	0.01	293	0.48	**412**	5	0.01	440	0.73	**459**	12	0.02	857	1.42
364	1	0.00	294	0.49	**413**	11	0.02	451	0.74	**460**	10	0.02	867	1.43
366	1	0.00	295	0.49	**414**	4	0.01	455	0.75	**461**	9	0.01	876	1.45
367	3	0.00	298	0.49	**415**	3	0.00	458	0.76	**462**	19	0.03	895	1.48
368	1	0.00	299	0.49	**416**	6	0.01	464	0.77	**463**	18	0.03	913	1.51
369	2	0.00	301	0.50	**417**	6	0.01	470	0.78	**464**	19	0.03	932	1.54
370	3	0.00	304	0.50	**418**	5	0.01	475	0.78	**465**	12	0.02	944	1.56
371	2	0.00	306	0.51	**419**	7	0.01	482	0.80	**466**	25	0.04	969	1.60
372	3	0.00	309	0.51	**420**	3	0.00	485	0.80	**467**	21	0.03	990	1.63
373	1	0.00	310	0.51	**421**	10	0.02	495	0.82	**468**	21	0.03	1011	1.67
374	4	0.01	314	0.52	**422**	5	0.01	500	0.83	**469**	22	0.04	1033	1.71
375	2	0.00	316	0.52	**423**	11	0.02	511	0.84	**470**	12	0.02	1045	1.73
376	2	0.00	318	0.53	**424**	9	0.01	520	0.86	**471**	23	0.04	1068	1.76
377	2	0.00	320	0.53	**425**	7	0.01	527	0.87	**472**	16	0.03	1084	1.79
378	1	0.00	321	0.53	**426**	8	0.01	535	0.88	**473**	16	0.03	1100	1.82
379	2	0.00	323	0.53	**427**	8	0.01	543	0.90	**474**	20	0.03	1120	1.85
380	1	0.00	324	0.53	**428**	4	0.01	547	0.90	**475**	20	0.03	1140	1.88

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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 %
476	21	0.03	1161	1.92	**523**	52	0.09	2937	4.85	**570**	125	0.21	7484	12.36
477	21	0.03	1182	1.95	**524**	43	0.07	2980	4.92	**571**	132	0.22	7616	12.57
478	20	0.03	1202	1.98	**525**	64	0.11	3044	5.03	**572**	144	0.24	7760	12.81
479	21	0.03	1223	2.02	**526**	64	0.11	3108	5.13	**573**	178	0.29	7938	13.11
480	26	0.04	1249	2.06	**527**	55	0.09	3163	5.22	**574**	152	0.25	8090	13.36
481	26	0.04	1275	2.11	**528**	55	0.09	3218	5.31	**575**	174	0.29	8264	13.64
482	22	0.04	1297	2.14	**529**	55	0.09	3273	5.40	**576**	177	0.29	8441	13.94
483	21	0.03	1318	2.18	**530**	69	0.11	3342	5.52	**577**	196	0.32	8637	14.26
484	21	0.03	1339	2.21	**531**	66	0.11	3408	5.63	**578**	182	0.30	8819	14.56
485	29	0.05	1368	2.26	**532**	68	0.11	3476	5.74	**579**	131	0.22	8950	14.78
486	27	0.04	1395	2.30	**533**	50	0.08	3526	5.82	**580**	186	0.31	9136	15.08
487	21	0.03	1416	2.34	**534**	66	0.11	3592	5.93	**581**	176	0.29	9312	15.38
488	28	0.05	1444	2.38	**535**	69	0.11	3661	6.04	**582**	175	0.29	9487	15.66
489	27	0.04	1471	2.43	**536**	63	0.10	3724	6.15	**583**	183	0.30	9670	15.97
490	26	0.04	1497	2.47	**537**	67	0.11	3791	6.26	**584**	197	0.33	9867	16.29
491	30	0.05	1527	2.52	**538**	71	0.12	3862	6.38	**585**	201	0.33	10068	16.62
492	31	0.05	1558	2.57	**539**	81	0.13	3943	6.51	**586**	205	0.34	10273	16.96
493	27	0.04	1585	2.62	**540**	75	0.12	4018	6.63	**587**	231	0.38	10504	17.34
494	32	0.05	1617	2.67	**541**	95	0.16	4113	6.79	**588**	213	0.35	10717	17.70
495	36	0.06	1653	2.73	**542**	89	0.15	4202	6.94	**589**	206	0.34	10923	18.04
496	38	0.06	1691	2.79	**543**	100	0.17	4302	7.10	**590**	245	0.40	11168	18.44
497	41	0.07	1732	2.86	**544**	83	0.14	4385	7.24	**591**	201	0.33	11369	18.77
498	39	0.06	1771	2.92	**545**	99	0.16	4484	7.40	**592**	200	0.33	11569	19.10
499	51	0.08	1822	3.01	**546**	105	0.17	4589	7.58	**593**	228	0.38	11797	19.48
500	49	0.08	1871	3.09	**547**	113	0.19	4702	7.76	**594**	210	0.35	12007	19.82
501	40	0.07	1911	3.16	**548**	85	0.14	4787	7.90	**595**	249	0.41	12256	20.24
502	31	0.05	1942	3.21	**549**	80	0.13	4867	8.04	**596**	230	0.38	12486	20.62
503	41	0.07	1983	3.27	**550**	113	0.19	4980	8.22	**597**	241	0.40	12727	21.01
504	26	0.04	2009	3.32	**551**	98	0.16	5078	8.38	**598**	231	0.38	12958	21.40
505	38	0.06	2047	3.38	**552**	118	0.19	5196	8.58	**599**	236	0.39	13194	21.78
506	39	0.06	2086	3.44	**553**	137	0.23	5333	8.81	**600**	282	0.47	13476	22.25
507	44	0.07	2130	3.52	**554**	102	0.17	5435	8.97	**601**	257	0.42	13733	22.67
508	35	0.06	2165	3.57	**555**	99	0.16	5534	9.14	**602**	281	0.46	14014	23.14
509	55	0.09	2220	3.67	**556**	125	0.21	5659	9.34	**603**	244	0.40	14258	23.54
510	47	0.08	2267	3.74	**557**	110	0.18	5769	9.53	**604**	248	0.41	14506	23.95
511	43	0.07	2310	3.81	**558**	102	0.17	5871	9.69	**605**	273	0.45	14779	24.40
512	52	0.09	2362	3.90	**559**	112	0.18	5983	9.88	**606**	269	0.44	15048	24.85
513	53	0.09	2415	3.99	**560**	130	0.21	6113	10.09	**607**	288	0.48	15336	25.32
514	63	0.10	2478	4.09	**561**	138	0.23	6251	10.32	**608**	284	0.47	15620	25.79
515	52	0.09	2530	4.18	**562**	144	0.24	6395	10.56	**609**	288	0.48	15908	26.27
516	51	0.08	2581	4.26	**563**	134	0.22	6529	10.78	**610**	292	0.48	16200	26.75
517	55	0.09	2636	4.35	**564**	127	0.21	6656	10.99	**611**	275	0.45	16475	27.20
518	44	0.07	2680	4.42	**565**	136	0.22	6792	11.21	**612**	318	0.53	16793	27.73
519	48	0.08	2728	4.50	**566**	141	0.23	6933	11.45	**613**	267	0.44	17060	28.17
520	38	0.06	2766	4.57	**567**	146	0.24	7079	11.69	**614**	295	0.49	17355	28.66
521	51	0.08	2817	4.65	**568**	143	0.24	7222	11.92	**615**	321	0.53	17676	29.19
522	68	0.11	2885	4.76	**569**	137	0.23	7359	12.15	**616**	337	0.56	18013	29.74

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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 %
617	365	0.60	18378	30.34	**664**	451	0.74	37314	61.61	**711**	252	0.42	54232	89.54
618	313	0.52	18691	30.86	**665**	480	0.79	37794	62.40	**712**	249	0.41	54481	89.95
619	311	0.51	19002	31.37	**666**	430	0.71	38224	63.11	**713**	226	0.37	54707	90.33
620	329	0.54	19331	31.92	**667**	428	0.71	38652	63.82	**714**	202	0.33	54909	90.66
621	350	0.58	19681	32.50	**668**	420	0.69	39072	64.51	**715**	209	0.35	55118	91.01
622	339	0.56	20020	33.06	**669**	478	0.79	39550	65.30	**716**	198	0.33	55316	91.33
623	318	0.53	20338	33.58	**670**	431	0.71	39981	66.01	**717**	192	0.32	55508	91.65
624	373	0.62	20711	34.20	**671**	421	0.70	40402	66.71	**718**	205	0.34	55713	91.99
625	323	0.53	21034	34.73	**672**	411	0.68	40813	67.39	**719**	195	0.32	55908	92.31
626	338	0.56	21372	35.29	**673**	456	0.75	41269	68.14	**720**	190	0.31	56098	92.62
627	367	0.61	21739	35.89	**674**	406	0.67	41675	68.81	**721**	156	0.26	56254	92.88
628	366	0.60	22105	36.50	**675**	422	0.70	42097	69.51	**722**	195	0.32	56449	93.20
629	380	0.63	22485	37.13	**676**	437	0.72	42534	70.23	**723**	188	0.31	56637	93.51
630	331	0.55	22816	37.67	**677**	465	0.77	42999	71.00	**724**	144	0.24	56781	93.75
631	364	0.60	23180	38.27	**678**	420	0.69	43419	71.69	**725**	142	0.23	56923	93.99
632	380	0.63	23560	38.90	**679**	400	0.66	43819	72.35	**726**	135	0.22	57058	94.21
633	362	0.60	23922	39.50	**680**	389	0.64	44208	72.99	**727**	125	0.21	57183	94.42
634	415	0.69	24337	40.18	**681**	409	0.68	44617	73.67	**728**	161	0.27	57344	94.68
635	388	0.64	24725	40.82	**682**	366	0.60	44983	74.27	**729**	118	0.19	57462	94.88
636	392	0.65	25117	41.47	**683**	401	0.66	45384	74.93	**730**	131	0.22	57593	95.09
637	379	0.63	25496	42.10	**684**	399	0.66	45783	75.59	**731**	118	0.19	57711	95.29
638	392	0.65	25888	42.74	**685**	385	0.64	46168	76.23	**732**	109	0.18	57820	95.47
639	420	0.69	26308	43.44	**686**	382	0.63	46550	76.86	**733**	106	0.18	57926	95.64
640	400	0.66	26708	44.10	**687**	328	0.54	46878	77.40	**734**	103	0.17	58029	95.81
641	456	0.75	27164	44.85	**688**	334	0.55	47212	77.95	**735**	108	0.18	58137	95.99
642	413	0.68	27577	45.53	**689**	356	0.59	47568	78.54	**736**	79	0.13	58216	96.12
643	419	0.69	27996	46.22	**690**	369	0.61	47937	79.15	**737**	120	0.20	58336	96.32
644	417	0.69	28413	46.91	**691**	340	0.56	48277	79.71	**738**	104	0.17	58440	96.49
645	426	0.70	28839	47.62	**692**	345	0.57	48622	80.28	**739**	100	0.17	58540	96.66
646	469	0.77	29308	48.39	**693**	379	0.63	49001	80.91	**740**	76	0.13	58616	96.78
647	428	0.71	29736	49.10	**694**	345	0.57	49346	81.48	**741**	89	0.15	58705	96.93
648	400	0.66	30136	49.76	**695**	336	0.55	49682	82.03	**742**	79	0.13	58784	97.06
649	454	0.75	30590	50.51	**696**	322	0.53	50004	82.56	**743**	64	0.11	58848	97.17
650	449	0.74	31039	51.25	**697**	307	0.51	50311	83.07	**744**	71	0.12	58919	97.28
651	441	0.73	31480	51.98	**698**	307	0.51	50618	83.58	**745**	95	0.16	59014	97.44
652	467	0.77	31947	52.75	**699**	297	0.49	50915	84.07	**746**	80	0.13	59094	97.57
653	447	0.74	32394	53.49	**700**	285	0.47	51200	84.54	**747**	76	0.13	59170	97.70
654	448	0.74	32842	54.23	**701**	305	0.50	51505	85.04	**748**	76	0.13	59246	97.82
655	424	0.70	33266	54.93	**702**	292	0.48	51797	85.52	**749**	67	0.11	59313	97.93
656	430	0.71	33696	55.64	**703**	280	0.46	52077	85.99	**750**	51	0.08	59364	98.02
657	441	0.73	34137	56.36	**704**	303	0.50	52380	86.49	**751**	46	0.08	59410	98.09
658	439	0.72	34576	57.09	**705**	306	0.51	52686	86.99	**752**	59	0.10	59469	98.19
659	431	0.71	35007	57.80	**706**	282	0.47	52968	87.46	**753**	46	0.08	59515	98.27
660	459	0.76	35466	58.56	**707**	237	0.39	53205	87.85	**754**	42	0.07	59557	98.34
661	450	0.74	35916	59.30	**708**	271	0.45	53476	88.30	**755**	61	0.10	59618	98.44
662	459	0.76	36375	60.06	**709**	255	0.42	53731	88.72	**756**	46	0.08	59664	98.51
663	488	0.81	36863	60.87	**710**	249	0.41	53980	89.13	**757**	38	0.06	59702	98.58

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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 %
758	42	0.07	59744	98.64	**805**	3	0.00	60500	99.89
759	35	0.06	59779	98.70	**806**	2	0.00	60502	99.90
760	31	0.05	59810	98.75	**807**	2	0.00	60504	99.90
761	32	0.05	59842	98.81	**808**	5	0.01	60509	99.91
762	37	0.06	59879	98.87	**809**	4	0.01	60513	99.91
763	39	0.06	59918	98.93	**810**	1	0.00	60514	99.92
764	27	0.04	59945	98.98	**812**	2	0.00	60516	99.92
765	29	0.05	59974	99.02	**813**	1	0.00	60517	99.92
766	32	0.05	60006	99.08	**814**	2	0.00	60519	99.92
767	27	0.04	60033	99.12	**815**	2	0.00	60521	99.93
768	30	0.05	60063	99.17	**816**	3	0.00	60524	99.93
769	25	0.04	60088	99.21	**817**	2	0.00	60526	99.94
770	23	0.04	60111	99.25	**818**	2	0.00	60528	99.94
771	21	0.03	60132	99.29	**819**	2	0.00	60530	99.94
772	20	0.03	60152	99.32	**820**	4	0.01	60534	99.95
773	23	0.04	60175	99.36	**822**	1	0.00	60535	99.95
774	17	0.03	60192	99.38	**823**	3	0.00	60538	99.96
775	16	0.03	60208	99.41	**827**	1	0.00	60539	99.96
776	20	0.03	60228	99.44	**828**	2	0.00	60541	99.96
777	20	0.03	60248	99.48	**830**	1	0.00	60542	99.96
778	17	0.03	60265	99.50	**831**	1	0.00	60543	99.96
779	11	0.02	60276	99.52	**834**	1	0.00	60544	99.97
780	16	0.03	60292	99.55	**836**	1	0.00	60545	99.97
781	17	0.03	60309	99.58	**837**	1	0.00	60546	99.97
782	17	0.03	60326	99.61	**838**	3	0.00	60549	99.97
783	14	0.02	60340	99.63	**839**	1	0.00	60550	99.98
784	10	0.02	60350	99.65	**840**	1	0.00	60551	99.98
785	11	0.02	60361	99.66	**841**	2	0.00	60553	99.98
786	12	0.02	60373	99.68	**846**	1	0.00	60554	99.98
787	10	0.02	60383	99.70	**848**	1	0.00	60555	99.98
788	8	0.01	60391	99.71	**849**	1	0.00	60556	99.99
789	8	0.01	60399	99.73	**851**	1	0.00	60557	99.99
790	9	0.01	60408	99.74	**852**	1	0.00	60558	99.99
791	10	0.02	60418	99.76	**854**	1	0.00	60559	99.99
792	11	0.02	60429	99.78	**855**	1	0.00	60560	99.99
793	5	0.01	60434	99.78	**860**	1	0.00	60561	99.99
794	7	0.01	60441	99.80	**868**	1	0.00	60562	100.00
795	9	0.01	60450	99.81	**869**	1	0.00	60563	100.00
796	6	0.01	60456	99.82	**904**	1	0.00	60564	100.00
797	9	0.01	60465	99.83	**926**	1	0.00	60565	100.00
798	3	0.00	60468	99.84					
799	6	0.01	60474	99.85					
800	5	0.01	60479	99.86					
801	6	0.01	60485	99.87					
802	2	0.00	60487	99.87					
803	4	0.01	60491	99.88					
804	6	0.01	60497	99.89					

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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	18	0.03	18	0.03	**324**	2	0.00	90	0.15	**374**	8	0.01	358	0.59
245	1	0.00	19	0.03	**325**	3	0.00	93	0.15	**375**	11	0.02	369	0.61
248	1	0.00	20	0.03	**326**	2	0.00	95	0.16	**376**	5	0.01	374	0.62
250	2	0.00	22	0.04	**329**	7	0.01	102	0.17	**377**	19	0.03	393	0.65
254	1	0.00	23	0.04	**330**	3	0.00	105	0.17	**378**	14	0.02	407	0.67
256	1	0.00	24	0.04	**332**	2	0.00	107	0.18	**379**	7	0.01	414	0.68
260	1	0.00	25	0.04	**333**	2	0.00	109	0.18	**380**	11	0.02	425	0.70
266	1	0.00	26	0.04	**334**	8	0.01	117	0.19	**381**	11	0.02	436	0.72
267	3	0.00	29	0.05	**335**	5	0.01	122	0.20	**382**	12	0.02	448	0.74
268	1	0.00	30	0.05	**336**	4	0.01	126	0.21	**383**	17	0.03	465	0.77
273	1	0.00	31	0.05	**337**	5	0.01	131	0.22	**384**	14	0.02	479	0.79
274	1	0.00	32	0.05	**338**	3	0.00	134	0.22	**385**	15	0.02	494	0.82
275	1	0.00	33	0.05	**339**	2	0.00	136	0.22	**386**	12	0.02	506	0.84
276	2	0.00	35	0.06	**340**	4	0.01	140	0.23	**387**	20	0.03	526	0.87
277	1	0.00	36	0.06	**341**	4	0.01	144	0.24	**388**	19	0.03	545	0.90
280	2	0.00	38	0.06	**342**	7	0.01	151	0.25	**389**	13	0.02	558	0.92
282	1	0.00	39	0.06	**343**	5	0.01	156	0.26	**390**	19	0.03	577	0.95
283	2	0.00	41	0.07	**344**	4	0.01	160	0.26	**391**	15	0.02	592	0.98
284	2	0.00	43	0.07	**345**	8	0.01	168	0.28	**392**	19	0.03	611	1.01
286	1	0.00	44	0.07	**346**	6	0.01	174	0.29	**393**	17	0.03	628	1.04
288	1	0.00	45	0.07	**347**	2	0.00	176	0.29	**394**	24	0.04	652	1.08
289	3	0.00	48	0.08	**348**	1	0.00	177	0.29	**395**	24	0.04	676	1.12
291	1	0.00	49	0.08	**349**	4	0.01	181	0.30	**396**	21	0.03	697	1.15
293	1	0.00	50	0.08	**350**	5	0.01	186	0.31	**397**	20	0.03	717	1.18
295	1	0.00	51	0.08	**351**	1	0.00	187	0.31	**398**	29	0.05	746	1.23
296	2	0.00	53	0.09	**352**	4	0.01	191	0.32	**399**	20	0.03	766	1.26
297	3	0.00	56	0.09	**353**	7	0.01	198	0.33	**400**	25	0.04	791	1.31
298	1	0.00	57	0.09	**354**	7	0.01	205	0.34	**401**	16	0.03	807	1.33
300	1	0.00	58	0.10	**355**	7	0.01	212	0.35	**402**	23	0.04	830	1.37
301	1	0.00	59	0.10	**356**	2	0.00	214	0.35	**403**	22	0.04	852	1.41
303	1	0.00	60	0.10	**357**	9	0.01	223	0.37	**404**	25	0.04	877	1.45
304	2	0.00	62	0.10	**358**	5	0.01	228	0.38	**405**	24	0.04	901	1.49
306	1	0.00	63	0.10	**359**	10	0.02	238	0.39	**406**	19	0.03	920	1.52
307	1	0.00	64	0.11	**360**	12	0.02	250	0.41	**407**	29	0.05	949	1.57
308	1	0.00	65	0.11	**361**	6	0.01	256	0.42	**408**	37	0.06	986	1.63
309	2	0.00	67	0.11	**362**	5	0.01	261	0.43	**409**	33	0.05	1019	1.68
310	1	0.00	68	0.11	**363**	8	0.01	269	0.44	**410**	41	0.07	1060	1.75
311	1	0.00	69	0.11	**364**	7	0.01	276	0.46	**411**	35	0.06	1095	1.81
312	3	0.00	72	0.12	**365**	5	0.01	281	0.46	**412**	35	0.06	1130	1.87
313	1	0.00	73	0.12	**366**	10	0.02	291	0.48	**413**	26	0.04	1156	1.91
314	3	0.00	76	0.13	**367**	6	0.01	297	0.49	**414**	49	0.08	1205	1.99
315	1	0.00	77	0.13	**368**	12	0.02	309	0.51	**415**	35	0.06	1240	2.05
316	1	0.00	78	0.13	**369**	8	0.01	317	0.52	**416**	36	0.06	1276	2.11
317	2	0.00	80	0.13	**370**	11	0.02	328	0.54	**417**	32	0.05	1308	2.16
320	3	0.00	83	0.14	**371**	6	0.01	334	0.55	**418**	44	0.07	1352	2.23
322	3	0.00	86	0.14	**372**	4	0.01	338	0.56	**419**	39	0.06	1391	2.30
323	2	0.00	88	0.15	**373**	12	0.02	350	0.58	**420**	37	0.06	1428	2.36

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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 %
421	41	0.07	1469	2.43	**468**	154	0.25	5552	9.17	**515**	309	0.51	15562	25.70
422	45	0.07	1514	2.50	**469**	135	0.22	5687	9.39	**516**	284	0.47	15846	26.17
423	34	0.06	1548	2.56	**470**	143	0.24	5830	9.63	**517**	286	0.47	16132	26.64
424	42	0.07	1590	2.63	**471**	143	0.24	5973	9.86	**518**	286	0.47	16418	27.11
425	42	0.07	1632	2.69	**472**	146	0.24	6119	10.10	**519**	271	0.45	16689	27.56
426	48	0.08	1680	2.77	**473**	136	0.22	6255	10.33	**520**	296	0.49	16985	28.05
427	43	0.07	1723	2.85	**474**	179	0.30	6434	10.62	**521**	284	0.47	17269	28.52
428	53	0.09	1776	2.93	**475**	159	0.26	6593	10.89	**522**	316	0.52	17585	29.04
429	56	0.09	1832	3.03	**476**	146	0.24	6739	11.13	**523**	322	0.53	17907	29.57
430	51	0.08	1883	3.11	**477**	153	0.25	6892	11.38	**524**	332	0.55	18239	30.12
431	62	0.10	1945	3.21	**478**	169	0.28	7061	11.66	**525**	309	0.51	18548	30.63
432	43	0.07	1988	3.28	**479**	164	0.27	7225	11.93	**526**	312	0.52	18860	31.14
433	66	0.11	2054	3.39	**480**	201	0.33	7426	12.26	**527**	320	0.53	19180	31.67
434	63	0.10	2117	3.50	**481**	173	0.29	7599	12.55	**528**	318	0.53	19498	32.20
435	66	0.11	2183	3.60	**482**	196	0.32	7795	12.87	**529**	339	0.56	19837	32.76
436	69	0.11	2252	3.72	**483**	177	0.29	7972	13.16	**530**	364	0.60	20201	33.36
437	75	0.12	2327	3.84	**484**	182	0.30	8154	13.46	**531**	360	0.59	20561	33.95
438	77	0.13	2404	3.97	**485**	180	0.30	8334	13.76	**532**	341	0.56	20902	34.52
439	67	0.11	2471	4.08	**486**	186	0.31	8520	14.07	**533**	321	0.53	21223	35.05
440	71	0.12	2542	4.20	**487**	200	0.33	8720	14.40	**534**	311	0.51	21534	35.56
441	77	0.13	2619	4.32	**488**	204	0.34	8924	14.74	**535**	345	0.57	21879	36.13
442	83	0.14	2702	4.46	**489**	211	0.35	9135	15.08	**536**	349	0.58	22228	36.71
443	86	0.14	2788	4.60	**490**	211	0.35	9346	15.43	**537**	355	0.59	22583	37.29
444	79	0.13	2867	4.73	**491**	218	0.36	9564	15.79	**538**	366	0.60	22949	37.90
445	91	0.15	2958	4.88	**492**	217	0.36	9781	16.15	**539**	346	0.57	23295	38.47
446	77	0.13	3035	5.01	**493**	241	0.40	10022	16.55	**540**	343	0.57	23638	39.03
447	80	0.13	3115	5.14	**494**	218	0.36	10240	16.91	**541**	373	0.62	24011	39.65
448	87	0.14	3202	5.29	**495**	197	0.33	10437	17.24	**542**	382	0.63	24393	40.28
449	78	0.13	3280	5.42	**496**	229	0.38	10666	17.61	**543**	366	0.60	24759	40.89
450	109	0.18	3389	5.60	**497**	225	0.37	10891	17.98	**544**	367	0.61	25126	41.49
451	90	0.15	3479	5.75	**498**	244	0.40	11135	18.39	**545**	363	0.60	25489	42.09
452	103	0.17	3582	5.92	**499**	250	0.41	11385	18.80	**546**	354	0.58	25843	42.68
453	77	0.13	3659	6.04	**500**	213	0.35	11598	19.15	**547**	387	0.64	26230	43.31
454	113	0.19	3772	6.23	**501**	248	0.41	11846	19.56	**548**	389	0.64	26619	43.96
455	107	0.18	3879	6.41	**502**	248	0.41	12094	19.97	**549**	349	0.58	26968	44.53
456	121	0.20	4000	6.61	**503**	229	0.38	12323	20.35	**550**	390	0.64	27358	45.18
457	111	0.18	4111	6.79	**504**	237	0.39	12560	20.74	**551**	361	0.60	27719	45.77
458	121	0.20	4232	6.99	**505**	263	0.43	12823	21.18	**552**	400	0.66	28119	46.43
459	115	0.19	4347	7.18	**506**	237	0.39	13060	21.57	**553**	379	0.63	28498	47.06
460	120	0.20	4467	7.38	**507**	246	0.41	13306	21.97	**554**	339	0.56	28837	47.62
461	103	0.17	4570	7.55	**508**	276	0.46	13582	22.43	**555**	407	0.67	29244	48.29
462	123	0.20	4693	7.75	**509**	258	0.43	13840	22.85	**556**	392	0.65	29636	48.94
463	123	0.20	4816	7.95	**510**	293	0.48	14133	23.34	**557**	384	0.63	30020	49.57
464	132	0.22	4948	8.17	**511**	272	0.45	14405	23.79	**558**	384	0.63	30404	50.21
465	146	0.24	5094	8.41	**512**	272	0.45	14677	24.24	**559**	369	0.61	30773	50.82
466	144	0.24	5238	8.65	**513**	274	0.45	14951	24.69	**560**	376	0.62	31149	51.44
467	160	0.26	5398	8.91	**514**	302	0.50	15253	25.19	**561**	371	0.61	31520	52.05

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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 %
562	407	0.67	31927	52.72	**609**	250	0.41	47710	78.79	**656**	100	0.17	55963	92.41
563	373	0.62	32300	53.34	**610**	249	0.41	47959	79.20	**657**	83	0.14	56046	92.55
564	399	0.66	32699	54.00	**611**	232	0.38	48191	79.58	**658**	94	0.16	56140	92.71
565	388	0.64	33087	54.64	**612**	264	0.44	48455	80.02	**659**	87	0.14	56227	92.85
566	403	0.67	33490	55.30	**613**	268	0.44	48723	80.46	**660**	96	0.16	56323	93.01
567	408	0.67	33898	55.98	**614**	236	0.39	48959	80.85	**661**	100	0.17	56423	93.17
568	404	0.67	34302	56.64	**615**	217	0.36	49176	81.21	**662**	110	0.18	56533	93.36
569	360	0.59	34662	57.24	**616**	237	0.39	49413	81.60	**663**	106	0.18	56639	93.53
570	410	0.68	35072	57.92	**617**	208	0.34	49621	81.94	**664**	100	0.17	56739	93.70
571	368	0.61	35440	58.52	**618**	254	0.42	49875	82.36	**665**	99	0.16	56838	93.86
572	395	0.65	35835	59.18	**619**	222	0.37	50097	82.73	**666**	74	0.12	56912	93.98
573	410	0.68	36245	59.85	**620**	221	0.36	50318	83.09	**667**	109	0.18	57021	94.16
574	345	0.57	36590	60.42	**621**	222	0.37	50540	83.46	**668**	102	0.17	57123	94.33
575	358	0.59	36948	61.01	**622**	182	0.30	50722	83.76	**669**	93	0.15	57216	94.48
576	366	0.60	37314	61.62	**623**	231	0.38	50953	84.14	**670**	85	0.14	57301	94.62
577	424	0.70	37738	62.32	**624**	200	0.33	51153	84.47	**671**	57	0.09	57358	94.72
578	367	0.61	38105	62.92	**625**	202	0.33	51355	84.80	**672**	56	0.09	57414	94.81
579	342	0.56	38447	63.49	**626**	220	0.36	51575	85.17	**673**	61	0.10	57475	94.91
580	400	0.66	38847	64.15	**627**	205	0.34	51780	85.51	**674**	78	0.13	57553	95.04
581	354	0.58	39201	64.73	**628**	191	0.32	51971	85.82	**675**	76	0.13	57629	95.16
582	359	0.59	39560	65.33	**629**	181	0.30	52152	86.12	**676**	89	0.15	57718	95.31
583	333	0.55	39893	65.88	**630**	162	0.27	52314	86.39	**677**	73	0.12	57791	95.43
584	360	0.59	40253	66.47	**631**	176	0.29	52490	86.68	**678**	87	0.14	57878	95.58
585	327	0.54	40580	67.01	**632**	159	0.26	52649	86.94	**679**	75	0.12	57953	95.70
586	359	0.59	40939	67.60	**633**	161	0.27	52810	87.21	**680**	83	0.14	58036	95.84
587	325	0.54	41264	68.14	**634**	172	0.28	52982	87.49	**681**	59	0.10	58095	95.93
588	341	0.56	41605	68.70	**635**	181	0.30	53163	87.79	**682**	55	0.09	58150	96.03
589	327	0.54	41932	69.24	**636**	162	0.27	53325	88.06	**683**	69	0.11	58219	96.14
590	293	0.48	42225	69.73	**637**	151	0.25	53476	88.31	**684**	41	0.07	58260	96.21
591	342	0.56	42567	70.29	**638**	153	0.25	53629	88.56	**685**	46	0.08	58306	96.28
592	307	0.51	42874	70.80	**639**	158	0.26	53787	88.82	**686**	43	0.07	58349	96.35
593	313	0.52	43187	71.32	**640**	145	0.24	53932	89.06	**687**	40	0.07	58389	96.42
594	349	0.58	43536	71.89	**641**	140	0.23	54072	89.29	**688**	36	0.06	58425	96.48
595	335	0.55	43871	72.45	**642**	141	0.23	54213	89.52	**689**	38	0.06	58463	96.54
596	312	0.52	44183	72.96	**643**	140	0.23	54353	89.76	**690**	52	0.09	58515	96.63
597	289	0.48	44472	73.44	**644**	147	0.24	54500	90.00	**691**	42	0.07	58557	96.70
598	287	0.47	44759	73.91	**645**	111	0.18	54611	90.18	**692**	40	0.07	58597	96.76
599	312	0.52	45071	74.43	**646**	164	0.27	54775	90.45	**693**	46	0.08	58643	96.84
600	298	0.49	45369	74.92	**647**	118	0.19	54893	90.65	**694**	49	0.08	58692	96.92
601	277	0.46	45646	75.38	**648**	107	0.18	55000	90.82	**695**	52	0.09	58744	97.01
602	270	0.45	45916	75.82	**649**	146	0.24	55146	91.06	**696**	89	0.15	58833	97.15
603	264	0.44	46180	76.26	**650**	118	0.19	55264	91.26	**697**	66	0.11	58899	97.26
604	243	0.40	46423	76.66	**651**	129	0.21	55393	91.47	**698**	38	0.06	58937	97.32
605	250	0.41	46673	77.07	**652**	129	0.21	55522	91.69	**699**	24	0.04	58961	97.36
606	259	0.43	46932	77.50	**653**	136	0.22	55658	91.91	**700**	44	0.07	59005	97.44
607	250	0.41	47182	77.91	**654**	113	0.19	55771	92.10	**701**	43	0.07	59048	97.51
608	278	0.46	47460	78.37	**655**	92	0.15	55863	92.25	**702**	35	0.06	59083	97.57

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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 %
703	26	0.04	59109	97.61	**750**	8	0.01	60108	99.26	**798**	1	0.00	60378	99.70
704	26	0.04	59135	97.65	**751**	5	0.01	60113	99.27	**802**	1	0.00	60379	99.71
705	25	0.04	59160	97.69	**752**	7	0.01	60120	99.28	**803**	4	0.01	60383	99.71
706	38	0.06	59198	97.76	**753**	7	0.01	60127	99.29	**804**	1	0.00	60384	99.71
707	23	0.04	59221	97.79	**754**	6	0.01	60133	99.30	**805**	1	0.00	60385	99.72
708	43	0.07	59264	97.86	**755**	13	0.02	60146	99.32	**808**	1	0.00	60386	99.72
709	32	0.05	59296	97.92	**756**	2	0.00	60148	99.32	**809**	17	0.03	60403	99.75
710	21	0.03	59317	97.95	**757**	4	0.01	60152	99.33	**810**	1	0.00	60404	99.75
711	17	0.03	59334	97.98	**758**	4	0.01	60156	99.34	**812**	1	0.00	60405	99.75
712	22	0.04	59356	98.02	**759**	5	0.01	60161	99.35	**815**	3	0.00	60408	99.75
713	62	0.10	59418	98.12	**760**	7	0.01	60168	99.36	**817**	2	0.00	60410	99.76
714	32	0.05	59450	98.17	**761**	7	0.01	60175	99.37	**818**	2	0.00	60412	99.76
715	38	0.06	59488	98.23	**762**	4	0.01	60179	99.38	**827**	16	0.03	60428	99.79
716	30	0.05	59518	98.28	**763**	3	0.00	60182	99.38	**830**	17	0.03	60445	99.82
717	33	0.05	59551	98.34	**764**	7	0.01	60189	99.39	**833**	17	0.03	60462	99.84
718	33	0.05	59584	98.39	**765**	23	0.04	60212	99.43	**838**	3	0.00	60465	99.85
719	18	0.03	59602	98.42	**766**	7	0.01	60219	99.44	**840**	14	0.02	60479	99.87
720	20	0.03	59622	98.46	**767**	12	0.02	60231	99.46	**842**	3	0.00	60482	99.88
721	35	0.06	59657	98.51	**768**	1	0.00	60232	99.46	**848**	9	0.01	60491	99.89
722	36	0.06	59693	98.57	**769**	7	0.01	60239	99.47	**855**	2	0.00	60493	99.89
723	17	0.03	59710	98.60	**770**	5	0.01	60244	99.48	**860**	11	0.02	60504	99.91
724	19	0.03	59729	98.63	**771**	2	0.00	60246	99.49	**862**	1	0.00	60505	99.91
725	13	0.02	59742	98.65	**772**	3	0.00	60249	99.49	**890**	52	0.09	60557	100.00
726	15	0.02	59757	98.68	**773**	6	0.01	60255	99.50					
727	8	0.01	59765	98.69	**774**	1	0.00	60256	99.50					
728	17	0.03	59782	98.72	**775**	7	0.01	60263	99.51					
729	22	0.04	59804	98.76	**776**	8	0.01	60271	99.53					
730	12	0.02	59816	98.78	**777**	3	0.00	60274	99.53					
731	21	0.03	59837	98.81	**778**	24	0.04	60298	99.57					
732	10	0.02	59847	98.83	**779**	2	0.00	60300	99.58					
733	8	0.01	59855	98.84	**780**	5	0.01	60305	99.58					
734	14	0.02	59869	98.86	**781**	2	0.00	60307	99.59					
735	7	0.01	59876	98.88	**782**	7	0.01	60314	99.60					
736	35	0.06	59911	98.93	**783**	17	0.03	60331	99.63					
737	17	0.03	59928	98.96	**784**	7	0.01	60338	99.64					
738	10	0.02	59938	98.98	**785**	2	0.00	60340	99.64					
739	19	0.03	59957	99.01	**786**	6	0.01	60346	99.65					
740	13	0.02	59970	99.03	**787**	8	0.01	60354	99.66					
741	14	0.02	59984	99.05	**788**	1	0.00	60355	99.67					
742	7	0.01	59991	99.07	**789**	1	0.00	60356	99.67					
743	16	0.03	60007	99.09	**790**	2	0.00	60358	99.67					
744	10	0.02	60017	99.11	**791**	5	0.01	60363	99.68					
745	15	0.02	60032	99.13	**792**	2	0.00	60365	99.68					
746	11	0.02	60043	99.15	**793**	6	0.01	60371	99.69					
747	11	0.02	60054	99.17	**795**	2	0.00	60373	99.70					
748	37	0.06	60091	99.23	**796**	1	0.00	60374	99.70					
749	9	0.01	60100	99.25	**797**	3	0.00	60377	99.70					

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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	294	0.48	294	0.48	**329**	7	0.01	482	0.79	**376**	10	0.02	992	1.64
281	3	0.00	297	0.49	**330**	7	0.01	489	0.81	**377**	20	0.03	1012	1.67
283	3	0.00	300	0.49	**331**	6	0.01	495	0.82	**378**	21	0.03	1033	1.70
284	1	0.00	301	0.50	**332**	10	0.02	505	0.83	**379**	20	0.03	1053	1.74
285	3	0.00	304	0.50	**333**	8	0.01	513	0.85	**380**	17	0.03	1070	1.76
286	3	0.00	307	0.51	**334**	5	0.01	518	0.85	**381**	13	0.02	1083	1.79
287	4	0.01	311	0.51	**335**	3	0.00	521	0.86	**382**	20	0.03	1103	1.82
289	3	0.00	314	0.52	**336**	6	0.01	527	0.87	**383**	24	0.04	1127	1.86
290	1	0.00	315	0.52	**337**	3	0.00	530	0.87	**384**	24	0.04	1151	1.90
291	1	0.00	316	0.52	**338**	6	0.01	536	0.88	**385**	25	0.04	1176	1.94
292	1	0.00	317	0.52	**339**	5	0.01	541	0.89	**386**	29	0.05	1205	1.99
293	2	0.00	319	0.53	**340**	4	0.01	545	0.90	**387**	19	0.03	1224	2.02
294	4	0.01	323	0.53	**341**	10	0.02	555	0.92	**388**	20	0.03	1244	2.05
295	6	0.01	329	0.54	**342**	18	0.03	573	0.95	**389**	25	0.04	1269	2.09
296	1	0.00	330	0.54	**343**	10	0.02	583	0.96	**390**	26	0.04	1295	2.14
297	2	0.00	332	0.55	**344**	11	0.02	594	0.98	**391**	27	0.04	1322	2.18
298	2	0.00	334	0.55	**345**	11	0.02	605	1.00	**392**	21	0.03	1343	2.22
299	4	0.01	338	0.56	**346**	7	0.01	612	1.01	**393**	22	0.04	1365	2.25
300	2	0.00	340	0.56	**347**	14	0.02	626	1.03	**394**	20	0.03	1385	2.28
301	2	0.00	342	0.56	**348**	9	0.01	635	1.05	**395**	25	0.04	1410	2.33
302	4	0.01	346	0.57	**349**	9	0.01	644	1.06	**396**	26	0.04	1436	2.37
303	3	0.00	349	0.58	**350**	13	0.02	657	1.08	**397**	22	0.04	1458	2.40
304	3	0.00	352	0.58	**351**	12	0.02	669	1.10	**398**	25	0.04	1483	2.45
305	2	0.00	354	0.58	**352**	9	0.01	678	1.12	**399**	31	0.05	1514	2.50
306	1	0.00	355	0.59	**353**	8	0.01	686	1.13	**400**	26	0.04	1540	2.54
307	2	0.00	357	0.59	**354**	11	0.02	697	1.15	**401**	28	0.05	1568	2.59
308	1	0.00	358	0.59	**355**	11	0.02	708	1.17	**402**	32	0.05	1600	2.64
309	2	0.00	360	0.59	**356**	15	0.02	723	1.19	**403**	29	0.05	1629	2.69
310	1	0.00	361	0.60	**357**	12	0.02	735	1.21	**404**	46	0.08	1675	2.76
311	2	0.00	363	0.60	**358**	10	0.02	745	1.23	**405**	34	0.06	1709	2.82
312	6	0.01	369	0.61	**359**	8	0.01	753	1.24	**406**	36	0.06	1745	2.88
313	7	0.01	376	0.62	**360**	12	0.02	765	1.26	**407**	33	0.05	1778	2.93
314	5	0.01	381	0.63	**361**	20	0.03	785	1.29	**408**	25	0.04	1803	2.97
315	9	0.01	390	0.64	**362**	13	0.02	798	1.32	**409**	38	0.06	1841	3.04
316	7	0.01	397	0.65	**363**	11	0.02	809	1.33	**410**	42	0.07	1883	3.11
317	7	0.01	404	0.67	**364**	15	0.02	824	1.36	**411**	37	0.06	1920	3.17
318	7	0.01	411	0.68	**365**	21	0.03	845	1.39	**412**	53	0.09	1973	3.25
319	8	0.01	419	0.69	**366**	7	0.01	852	1.41	**413**	40	0.07	2013	3.32
320	7	0.01	426	0.70	**367**	11	0.02	863	1.42	**414**	54	0.09	2067	3.41
321	5	0.01	431	0.71	**368**	7	0.01	870	1.43	**415**	41	0.07	2108	3.48
322	3	0.00	434	0.72	**369**	18	0.03	888	1.46	**416**	39	0.06	2147	3.54
323	14	0.02	448	0.74	**370**	18	0.03	906	1.49	**417**	32	0.05	2179	3.59
324	4	0.01	452	0.75	**371**	12	0.02	918	1.51	**418**	45	0.07	2224	3.67
325	4	0.01	456	0.75	**372**	16	0.03	934	1.54	**419**	32	0.05	2256	3.72
326	5	0.01	461	0.76	**373**	16	0.03	950	1.57	**420**	43	0.07	2299	3.79
327	10	0.02	471	0.78	**374**	19	0.03	969	1.60	**421**	52	0.09	2351	3.88
328	4	0.01	475	0.78	**375**	13	0.02	982	1.62	**422**	28	0.05	2379	3.92

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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 %
423	46	0.08	2425	4.00	**470**	119	0.20	6487	10.70	**517**	260	0.43	15965	26.33
424	56	0.09	2481	4.09	**471**	133	0.22	6620	10.92	**518**	258	0.43	16223	26.76
425	53	0.09	2534	4.18	**472**	133	0.22	6753	11.14	**519**	285	0.47	16508	27.23
426	58	0.10	2592	4.28	**473**	141	0.23	6894	11.37	**520**	256	0.42	16764	27.65
427	46	0.08	2638	4.35	**474**	144	0.24	7038	11.61	**521**	284	0.47	17048	28.12
428	59	0.10	2697	4.45	**475**	153	0.25	7191	11.86	**522**	272	0.45	17320	28.57
429	55	0.09	2752	4.54	**476**	161	0.27	7352	12.13	**523**	255	0.42	17575	28.99
430	65	0.11	2817	4.65	**477**	125	0.21	7477	12.33	**524**	297	0.49	17872	29.48
431	55	0.09	2872	4.74	**478**	158	0.26	7635	12.59	**525**	288	0.48	18160	29.95
432	50	0.08	2922	4.82	**479**	133	0.22	7768	12.81	**526**	241	0.40	18401	30.35
433	57	0.09	2979	4.91	**480**	154	0.25	7922	13.07	**527**	276	0.46	18677	30.80
434	64	0.11	3043	5.02	**481**	153	0.25	8075	13.32	**528**	287	0.47	18964	31.28
435	68	0.11	3111	5.13	**482**	173	0.29	8248	13.60	**529**	304	0.50	19268	31.78
436	74	0.12	3185	5.25	**483**	160	0.26	8408	13.87	**530**	293	0.48	19561	32.26
437	57	0.09	3242	5.35	**484**	159	0.26	8567	14.13	**531**	293	0.48	19854	32.75
438	61	0.10	3303	5.45	**485**	186	0.31	8753	14.44	**532**	270	0.45	20124	33.19
439	67	0.11	3370	5.56	**486**	164	0.27	8917	14.71	**533**	318	0.52	20442	33.72
440	81	0.13	3451	5.69	**487**	170	0.28	9087	14.99	**534**	310	0.51	20752	34.23
441	87	0.14	3538	5.84	**488**	166	0.27	9253	15.26	**535**	272	0.45	21024	34.68
442	79	0.13	3617	5.97	**489**	179	0.30	9432	15.56	**536**	283	0.47	21307	35.14
443	78	0.13	3695	6.09	**490**	191	0.32	9623	15.87	**537**	314	0.52	21621	35.66
444	80	0.13	3775	6.23	**491**	207	0.34	9830	16.21	**538**	306	0.50	21927	36.17
445	73	0.12	3848	6.35	**492**	186	0.31	10016	16.52	**539**	277	0.46	22204	36.62
446	83	0.14	3931	6.48	**493**	204	0.34	10220	16.86	**540**	303	0.50	22507	37.12
447	86	0.14	4017	6.63	**494**	196	0.32	10416	17.18	**541**	278	0.46	22785	37.58
448	92	0.15	4109	6.78	**495**	212	0.35	10628	17.53	**542**	307	0.51	23092	38.09
449	82	0.14	4191	6.91	**496**	211	0.35	10839	17.88	**543**	315	0.52	23407	38.61
450	105	0.17	4296	7.09	**497**	232	0.38	11071	18.26	**544**	303	0.50	23710	39.11
451	87	0.14	4383	7.23	**498**	241	0.40	11312	18.66	**545**	311	0.51	24021	39.62
452	88	0.15	4471	7.37	**499**	231	0.38	11543	19.04	**546**	314	0.52	24335	40.14
453	98	0.16	4569	7.54	**500**	211	0.35	11754	19.39	**547**	346	0.57	24681	40.71
454	97	0.16	4666	7.70	**501**	247	0.41	12001	19.79	**548**	303	0.50	24984	41.21
455	107	0.18	4773	7.87	**502**	216	0.36	12217	20.15	**549**	318	0.52	25302	41.73
456	96	0.16	4869	8.03	**503**	241	0.40	12458	20.55	**550**	324	0.53	25626	42.27
457	93	0.15	4962	8.18	**504**	244	0.40	12702	20.95	**551**	298	0.49	25924	42.76
458	95	0.16	5057	8.34	**505**	231	0.38	12933	21.33	**552**	327	0.54	26251	43.30
459	101	0.17	5158	8.51	**506**	233	0.38	13166	21.72	**553**	347	0.57	26598	43.87
460	130	0.21	5288	8.72	**507**	273	0.45	13439	22.17	**554**	330	0.54	26928	44.41
461	99	0.16	5387	8.89	**508**	258	0.43	13697	22.59	**555**	335	0.55	27263	44.97
462	107	0.18	5494	9.06	**509**	260	0.43	13957	23.02	**556**	317	0.52	27580	45.49
463	111	0.18	5605	9.24	**510**	230	0.38	14187	23.40	**557**	358	0.59	27938	46.08
464	125	0.21	5730	9.45	**511**	227	0.37	14414	23.77	**558**	327	0.54	28265	46.62
465	120	0.20	5850	9.65	**512**	253	0.42	14667	24.19	**559**	326	0.54	28591	47.16
466	121	0.20	5971	9.85	**513**	265	0.44	14932	24.63	**560**	282	0.47	28873	47.62
467	132	0.22	6103	10.07	**514**	263	0.43	15195	25.06	**561**	338	0.56	29211	48.18
468	115	0.19	6218	10.26	**515**	248	0.41	15443	25.47	**562**	314	0.52	29525	48.70
469	150	0.25	6368	10.50	**516**	262	0.43	15705	25.90	**563**	324	0.53	29849	49.23

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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 %
564	351	0.58	30200	49.81	**611**	292	0.48	45294	74.71	**658**	134	0.22	55373	91.33
565	309	0.51	30509	50.32	**612**	287	0.47	45581	75.18	**659**	156	0.26	55529	91.59
566	296	0.49	30805	50.81	**613**	285	0.47	45866	75.65	**660**	166	0.27	55695	91.86
567	341	0.56	31146	51.37	**614**	292	0.48	46158	76.13	**661**	131	0.22	55826	92.08
568	330	0.54	31476	51.91	**615**	255	0.42	46413	76.55	**662**	147	0.24	55973	92.32
569	350	0.58	31826	52.49	**616**	276	0.46	46689	77.01	**663**	134	0.22	56107	92.54
570	312	0.51	32138	53.01	**617**	268	0.44	46957	77.45	**664**	107	0.18	56214	92.72
571	348	0.57	32486	53.58	**618**	307	0.51	47264	77.95	**665**	136	0.22	56350	92.94
572	333	0.55	32819	54.13	**619**	258	0.43	47522	78.38	**666**	113	0.19	56463	93.13
573	312	0.51	33131	54.64	**620**	230	0.38	47752	78.76	**667**	117	0.19	56580	93.32
574	331	0.55	33462	55.19	**621**	258	0.43	48010	79.19	**668**	137	0.23	56717	93.55
575	346	0.57	33808	55.76	**622**	258	0.43	48268	79.61	**669**	106	0.17	56823	93.72
576	348	0.57	34156	56.34	**623**	244	0.40	48512	80.01	**670**	98	0.16	56921	93.88
577	323	0.53	34479	56.87	**624**	237	0.39	48749	80.40	**671**	104	0.17	57025	94.05
578	376	0.62	34855	57.49	**625**	239	0.39	48988	80.80	**672**	129	0.21	57154	94.27
579	318	0.52	35173	58.01	**626**	251	0.41	49239	81.21	**673**	111	0.18	57265	94.45
580	320	0.53	35493	58.54	**627**	229	0.38	49468	81.59	**674**	104	0.17	57369	94.62
581	328	0.54	35821	59.08	**628**	235	0.39	49703	81.98	**675**	92	0.15	57461	94.77
582	304	0.50	36125	59.58	**629**	236	0.39	49939	82.37	**676**	108	0.18	57569	94.95
583	350	0.58	36475	60.16	**630**	193	0.32	50132	82.69	**677**	92	0.15	57661	95.10
584	321	0.53	36796	60.69	**631**	252	0.42	50384	83.10	**678**	82	0.14	57743	95.24
585	355	0.59	37151	61.27	**632**	214	0.35	50598	83.45	**679**	93	0.15	57836	95.39
586	314	0.52	37465	61.79	**633**	216	0.36	50814	83.81	**680**	90	0.15	57926	95.54
587	330	0.54	37795	62.34	**634**	224	0.37	51038	84.18	**681**	86	0.14	58012	95.68
588	318	0.52	38113	62.86	**635**	212	0.35	51250	84.53	**682**	74	0.12	58086	95.80
589	320	0.53	38433	63.39	**636**	209	0.34	51459	84.87	**683**	90	0.15	58176	95.95
590	349	0.58	38782	63.97	**637**	219	0.36	51678	85.24	**684**	86	0.14	58262	96.09
591	347	0.57	39129	64.54	**638**	191	0.32	51869	85.55	**685**	89	0.15	58351	96.24
592	318	0.52	39447	65.06	**639**	188	0.31	52057	85.86	**686**	77	0.13	58428	96.37
593	334	0.55	39781	65.61	**640**	206	0.34	52263	86.20	**687**	74	0.12	58502	96.49
594	351	0.58	40132	66.19	**641**	215	0.35	52478	86.55	**688**	70	0.12	58572	96.61
595	317	0.52	40449	66.71	**642**	195	0.32	52673	86.88	**689**	59	0.10	58631	96.70
596	301	0.50	40750	67.21	**643**	192	0.32	52865	87.19	**690**	56	0.09	58687	96.80
597	334	0.55	41084	67.76	**644**	183	0.30	53048	87.49	**691**	76	0.13	58763	96.92
598	332	0.55	41416	68.31	**645**	201	0.33	53249	87.83	**692**	43	0.07	58806	96.99
599	269	0.44	41685	68.75	**646**	189	0.31	53438	88.14	**693**	54	0.09	58860	97.08
600	308	0.51	41993	69.26	**647**	187	0.31	53625	88.45	**694**	64	0.11	58924	97.19
601	280	0.46	42273	69.72	**648**	188	0.31	53813	88.76	**695**	56	0.09	58980	97.28
602	336	0.55	42609	70.28	**649**	171	0.28	53984	89.04	**696**	49	0.08	59029	97.36
603	312	0.51	42921	70.79	**650**	183	0.30	54167	89.34	**697**	57	0.09	59086	97.45
604	333	0.55	43254	71.34	**651**	152	0.25	54319	89.59	**698**	51	0.08	59137	97.54
605	288	0.48	43542	71.82	**652**	180	0.30	54499	89.89	**699**	59	0.10	59196	97.63
606	301	0.50	43843	72.31	**653**	148	0.24	54647	90.13	**700**	51	0.08	59247	97.72
607	285	0.47	44128	72.78	**654**	157	0.26	54804	90.39	**701**	49	0.08	59296	97.80
608	299	0.49	44427	73.28	**655**	149	0.25	54953	90.64	**702**	50	0.08	59346	97.88
609	305	0.50	44732	73.78	**656**	146	0.24	55099	90.88	**703**	42	0.07	59388	97.95
610	270	0.45	45002	74.22	**657**	140	0.23	55239	91.11	**704**	51	0.08	59439	98.04

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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 %
705	44	0.07	59483	98.11	**752**	7	0.01	60423	99.66	**812**	3	0.00	60601	99.95
706	41	0.07	59524	98.18	**753**	7	0.01	60430	99.67	**814**	1	0.00	60602	99.95
707	44	0.07	59568	98.25	**754**	11	0.02	60441	99.69	**815**	2	0.00	60604	99.96
708	42	0.07	59610	98.32	**755**	9	0.01	60450	99.70	**818**	1	0.00	60605	99.96
709	26	0.04	59636	98.36	**756**	2	0.00	60452	99.71	**819**	2	0.00	60607	99.96
710	40	0.07	59676	98.43	**757**	7	0.01	60459	99.72	**820**	1	0.00	60608	99.96
711	37	0.06	59713	98.49	**758**	6	0.01	60465	99.73	**822**	1	0.00	60609	99.97
712	26	0.04	59739	98.53	**759**	8	0.01	60473	99.74	**828**	1	0.00	60610	99.97
713	34	0.06	59773	98.59	**760**	5	0.01	60478	99.75	**829**	1	0.00	60611	99.97
714	28	0.05	59801	98.63	**761**	2	0.00	60480	99.75	**834**	3	0.00	60614	99.97
715	28	0.05	59829	98.68	**762**	6	0.01	60486	99.76	**841**	2	0.00	60616	99.98
716	23	0.04	59852	98.72	**763**	5	0.01	60491	99.77	**842**	1	0.00	60617	99.98
717	24	0.04	59876	98.76	**764**	4	0.01	60495	99.78	**843**	1	0.00	60618	99.98
718	27	0.04	59903	98.80	**765**	1	0.00	60496	99.78	**846**	1	0.00	60619	99.98
719	24	0.04	59927	98.84	**766**	3	0.00	60499	99.78	**860**	11	0.02	60630	100.00
720	27	0.04	59954	98.89	**767**	7	0.01	60506	99.80					
721	30	0.05	59984	98.93	**768**	1	0.00	60507	99.80					
722	21	0.03	60005	98.97	**769**	3	0.00	60510	99.80					
723	24	0.04	60029	99.01	**770**	3	0.00	60513	99.81					
724	22	0.04	60051	99.05	**771**	7	0.01	60520	99.82					
725	19	0.03	60070	99.08	**772**	5	0.01	60525	99.83					
726	15	0.02	60085	99.10	**773**	4	0.01	60529	99.83					
727	28	0.05	60113	99.15	**774**	3	0.00	60532	99.84					
728	12	0.02	60125	99.17	**775**	6	0.01	60538	99.85					
729	21	0.03	60146	99.20	**776**	1	0.00	60539	99.85					
730	26	0.04	60172	99.24	**777**	2	0.00	60541	99.85					
731	21	0.03	60193	99.28	**778**	3	0.00	60544	99.86					
732	14	0.02	60207	99.30	**779**	1	0.00	60545	99.86					
733	21	0.03	60228	99.34	**781**	5	0.01	60550	99.87					
734	22	0.04	60250	99.37	**782**	3	0.00	60553	99.87					
735	10	0.02	60260	99.39	**784**	2	0.00	60555	99.88					
736	9	0.01	60269	99.40	**785**	6	0.01	60561	99.89					
737	8	0.01	60277	99.42	**786**	4	0.01	60565	99.89					
738	13	0.02	60290	99.44	**788**	2	0.00	60567	99.90					
739	12	0.02	60302	99.46	**789**	2	0.00	60569	99.90					
740	10	0.02	60312	99.48	**790**	4	0.01	60573	99.91					
741	9	0.01	60321	99.49	**791**	4	0.01	60577	99.91					
742	6	0.01	60327	99.50	**792**	1	0.00	60578	99.91					
743	17	0.03	60344	99.53	**795**	2	0.00	60580	99.92					
744	8	0.01	60352	99.54	**796**	2	0.00	60582	99.92					
745	9	0.01	60361	99.56	**800**	2	0.00	60584	99.92					
746	8	0.01	60369	99.57	**801**	1	0.00	60585	99.93					
747	12	0.02	60381	99.59	**803**	3	0.00	60588	99.93					
748	4	0.01	60385	99.60	**805**	2	0.00	60590	99.93					
749	11	0.02	60396	99.61	**806**	3	0.00	60593	99.94					
750	9	0.01	60405	99.63	**809**	2	0.00	60595	99.94					
751	11	0.02	60416	99.65	**811**	3	0.00	60598	99.95					

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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	164	0.28	164	0.28	**411**	4	0.01	242	0.41	**458**	8	0.01	482	0.81
335	1	0.00	165	0.28	**412**	1	0.00	243	0.41	**459**	9	0.02	491	0.83
340	1	0.00	166	0.28	**413**	2	0.00	245	0.41	**460**	2	0.00	493	0.83
341	1	0.00	167	0.28	**414**	1	0.00	246	0.41	**461**	10	0.02	503	0.85
345	1	0.00	168	0.28	**415**	1	0.00	247	0.42	**462**	11	0.02	514	0.86
354	1	0.00	169	0.28	**416**	4	0.01	251	0.42	**463**	3	0.01	517	0.87
359	1	0.00	170	0.29	**417**	4	0.01	255	0.43	**464**	17	0.03	534	0.90
360	1	0.00	171	0.29	**418**	3	0.01	258	0.43	**465**	11	0.02	545	0.92
361	1	0.00	172	0.29	**419**	4	0.01	262	0.44	**466**	10	0.02	555	0.93
362	1	0.00	173	0.29	**420**	3	0.01	265	0.45	**467**	6	0.01	561	0.94
365	1	0.00	174	0.29	**421**	2	0.00	267	0.45	**468**	12	0.02	573	0.96
366	3	0.01	177	0.30	**422**	1	0.00	268	0.45	**469**	12	0.02	585	0.98
367	2	0.00	179	0.30	**423**	4	0.01	272	0.46	**470**	10	0.02	595	1.00
368	2	0.00	181	0.30	**424**	6	0.01	278	0.47	**471**	12	0.02	607	1.02
369	1	0.00	182	0.31	**425**	5	0.01	283	0.48	**472**	8	0.01	615	1.03
370	1	0.00	183	0.31	**426**	4	0.01	287	0.48	**473**	5	0.01	620	1.04
371	1	0.00	184	0.31	**427**	6	0.01	293	0.49	**474**	8	0.01	628	1.06
373	1	0.00	185	0.31	**428**	4	0.01	297	0.50	**475**	16	0.03	644	1.08
374	1	0.00	186	0.31	**429**	4	0.01	301	0.51	**476**	13	0.02	657	1.10
375	3	0.01	189	0.32	**430**	8	0.01	309	0.52	**477**	9	0.02	666	1.12
376	1	0.00	190	0.32	**431**	4	0.01	313	0.53	**478**	12	0.02	678	1.14
378	1	0.00	191	0.32	**432**	4	0.01	317	0.53	**479**	8	0.01	686	1.15
379	1	0.00	192	0.32	**433**	2	0.00	319	0.54	**480**	16	0.03	702	1.18
380	1	0.00	193	0.32	**434**	5	0.01	324	0.54	**481**	7	0.01	709	1.19
381	2	0.00	195	0.33	**435**	5	0.01	329	0.55	**482**	10	0.02	719	1.21
384	2	0.00	197	0.33	**436**	5	0.01	334	0.56	**483**	12	0.02	731	1.23
385	1	0.00	198	0.33	**437**	5	0.01	339	0.57	**484**	13	0.02	744	1.25
386	1	0.00	199	0.33	**438**	8	0.01	347	0.58	**485**	14	0.02	758	1.27
387	2	0.00	201	0.34	**439**	9	0.02	356	0.60	**486**	16	0.03	774	1.30
389	2	0.00	203	0.34	**440**	4	0.01	360	0.61	**487**	14	0.02	788	1.32
390	1	0.00	204	0.34	**441**	6	0.01	366	0.62	**488**	21	0.04	809	1.36
391	3	0.01	207	0.35	**442**	5	0.01	371	0.62	**489**	10	0.02	819	1.38
392	1	0.00	208	0.35	**443**	5	0.01	376	0.63	**490**	16	0.03	835	1.40
394	2	0.00	210	0.35	**444**	8	0.01	384	0.65	**491**	12	0.02	847	1.42
397	2	0.00	212	0.36	**445**	6	0.01	390	0.66	**492**	20	0.03	867	1.46
398	2	0.00	214	0.36	**446**	6	0.01	396	0.67	**493**	20	0.03	887	1.49
399	1	0.00	215	0.36	**447**	4	0.01	400	0.67	**494**	22	0.04	909	1.53
400	3	0.01	218	0.37	**448**	5	0.01	405	0.68	**495**	14	0.02	923	1.55
401	3	0.01	221	0.37	**449**	10	0.02	415	0.70	**496**	15	0.03	938	1.58
402	2	0.00	223	0.37	**450**	8	0.01	423	0.71	**497**	23	0.04	961	1.62
403	2	0.00	225	0.38	**451**	4	0.01	427	0.72	**498**	22	0.04	983	1.65
404	4	0.01	229	0.39	**452**	5	0.01	432	0.73	**499**	21	0.04	1004	1.69
405	2	0.00	231	0.39	**453**	9	0.02	441	0.74	**500**	17	0.03	1021	1.72
406	2	0.00	233	0.39	**454**	5	0.01	446	0.75	**501**	17	0.03	1038	1.75
407	2	0.00	235	0.40	**455**	8	0.01	454	0.76	**502**	16	0.03	1054	1.77
409	1	0.00	236	0.40	**456**	7	0.01	461	0.78	**503**	27	0.05	1081	1.82
410	2	0.00	238	0.40	**457**	13	0.02	474	0.80	**504**	25	0.04	1106	1.86

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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 %
505	23	0.04	1129	1.90	**552**	93	0.16	3521	5.92	**599**	207	0.35	10141	17.05
506	28	0.05	1157	1.95	**553**	78	0.13	3599	6.05	**600**	223	0.37	10364	17.42
507	29	0.05	1186	1.99	**554**	74	0.12	3673	6.18	**601**	221	0.37	10585	17.80
508	28	0.05	1214	2.04	**555**	91	0.15	3764	6.33	**602**	256	0.43	10841	18.23
509	24	0.04	1238	2.08	**556**	92	0.15	3856	6.48	**603**	225	0.38	11066	18.61
510	33	0.06	1271	2.14	**557**	88	0.15	3944	6.63	**604**	234	0.39	11300	19.00
511	32	0.05	1303	2.19	**558**	100	0.17	4044	6.80	**605**	232	0.39	11532	19.39
512	23	0.04	1326	2.23	**559**	85	0.14	4129	6.94	**606**	240	0.40	11772	19.79
513	26	0.04	1352	2.27	**560**	94	0.16	4223	7.10	**607**	264	0.44	12036	20.24
514	37	0.06	1389	2.34	**561**	105	0.18	4328	7.28	**608**	255	0.43	12291	20.66
515	40	0.07	1429	2.40	**562**	81	0.14	4409	7.41	**609**	240	0.40	12531	21.07
516	35	0.06	1464	2.46	**563**	96	0.16	4505	7.57	**610**	248	0.42	12779	21.49
517	28	0.05	1492	2.51	**564**	95	0.16	4600	7.73	**611**	251	0.42	13030	21.91
518	38	0.06	1530	2.57	**565**	125	0.21	4725	7.94	**612**	304	0.51	13334	22.42
519	26	0.04	1556	2.62	**566**	111	0.19	4836	8.13	**613**	256	0.43	13590	22.85
520	49	0.08	1605	2.70	**567**	126	0.21	4962	8.34	**614**	278	0.47	13868	23.32
521	44	0.07	1649	2.77	**568**	125	0.21	5087	8.55	**615**	293	0.49	14161	23.81
522	44	0.07	1693	2.85	**569**	120	0.20	5207	8.75	**616**	298	0.50	14459	24.31
523	34	0.06	1727	2.90	**570**	140	0.24	5347	8.99	**617**	304	0.51	14763	24.82
524	48	0.08	1775	2.98	**571**	117	0.20	5464	9.19	**618**	281	0.47	15044	25.29
525	51	0.09	1826	3.07	**572**	140	0.24	5604	9.42	**619**	304	0.51	15348	25.80
526	56	0.09	1882	3.16	**573**	134	0.23	5738	9.65	**620**	325	0.55	15673	26.35
527	46	0.08	1928	3.24	**574**	127	0.21	5865	9.86	**621**	300	0.50	15973	26.86
528	53	0.09	1981	3.33	**575**	133	0.22	5998	10.08	**622**	310	0.52	16283	27.38
529	56	0.09	2037	3.42	**576**	137	0.23	6135	10.31	**623**	335	0.56	16618	27.94
530	48	0.08	2085	3.51	**577**	123	0.21	6258	10.52	**624**	334	0.56	16952	28.50
531	44	0.07	2129	3.58	**578**	143	0.24	6401	10.76	**625**	343	0.58	17295	29.08
532	52	0.09	2181	3.67	**579**	122	0.21	6523	10.97	**626**	317	0.53	17612	29.61
533	57	0.10	2238	3.76	**580**	174	0.29	6697	11.26	**627**	330	0.55	17942	30.17
534	53	0.09	2291	3.85	**581**	144	0.24	6841	11.50	**628**	322	0.54	18264	30.71
535	52	0.09	2343	3.94	**582**	165	0.28	7006	11.78	**629**	370	0.62	18634	31.33
536	52	0.09	2395	4.03	**583**	172	0.29	7178	12.07	**630**	336	0.56	18970	31.89
537	53	0.09	2448	4.12	**584**	133	0.22	7311	12.29	**631**	333	0.56	19303	32.45
538	51	0.09	2499	4.20	**585**	154	0.26	7465	12.55	**632**	364	0.61	19667	33.07
539	54	0.09	2553	4.29	**586**	166	0.28	7631	12.83	**633**	397	0.67	20064	33.73
540	59	0.10	2612	4.39	**587**	185	0.31	7816	13.14	**634**	363	0.61	20427	34.34
541	55	0.09	2667	4.48	**588**	157	0.26	7973	13.40	**635**	354	0.60	20781	34.94
542	60	0.10	2727	4.58	**589**	168	0.28	8141	13.69	**636**	413	0.69	21194	35.63
543	82	0.14	2809	4.72	**590**	188	0.32	8329	14.00	**637**	384	0.65	21578	36.28
544	72	0.12	2881	4.84	**591**	196	0.33	8525	14.33	**638**	396	0.67	21974	36.94
545	73	0.12	2954	4.97	**592**	192	0.32	8717	14.66	**639**	399	0.67	22373	37.62
546	92	0.15	3046	5.12	**593**	175	0.29	8892	14.95	**640**	387	0.65	22760	38.27
547	81	0.14	3127	5.26	**594**	207	0.35	9099	15.30	**641**	395	0.66	23155	38.93
548	65	0.11	3192	5.37	**595**	173	0.29	9272	15.59	**642**	430	0.72	23585	39.65
549	69	0.12	3261	5.48	**596**	209	0.35	9481	15.94	**643**	413	0.69	23998	40.35
550	79	0.13	3340	5.62	**597**	225	0.38	9706	16.32	**644**	373	0.63	24371	40.97
551	88	0.15	3428	5.76	**598**	228	0.38	9934	16.70	**645**	386	0.65	24757	41.62

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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 %
646	409	0.69	25166	42.31	**693**	374	0.63	45538	76.56	**740**	110	0.18	57153	96.09
647	422	0.71	25588	43.02	**694**	415	0.70	45953	77.26	**741**	114	0.19	57267	96.28
648	446	0.75	26034	43.77	**695**	400	0.67	46353	77.93	**742**	104	0.17	57371	96.46
649	422	0.71	26456	44.48	**696**	351	0.59	46704	78.52	**743**	100	0.17	57471	96.63
650	436	0.73	26892	45.21	**697**	359	0.60	47063	79.13	**744**	78	0.13	57549	96.76
651	398	0.67	27290	45.88	**698**	395	0.66	47458	79.79	**745**	82	0.14	57631	96.89
652	445	0.75	27735	46.63	**699**	353	0.59	47811	80.38	**746**	82	0.14	57713	97.03
653	471	0.79	28206	47.42	**700**	325	0.55	48136	80.93	**747**	82	0.14	57795	97.17
654	455	0.76	28661	48.19	**701**	356	0.60	48492	81.53	**748**	83	0.14	57878	97.31
655	418	0.70	29079	48.89	**702**	357	0.60	48849	82.13	**749**	80	0.13	57958	97.44
656	436	0.73	29515	49.62	**703**	328	0.55	49177	82.68	**750**	78	0.13	58036	97.58
657	465	0.78	29980	50.41	**704**	345	0.58	49522	83.26	**751**	70	0.12	58106	97.69
658	435	0.73	30415	51.14	**705**	316	0.53	49838	83.79	**752**	68	0.11	58174	97.81
659	420	0.71	30835	51.84	**706**	310	0.52	50148	84.31	**753**	63	0.11	58237	97.91
660	450	0.76	31285	52.60	**707**	299	0.50	50447	84.82	**754**	49	0.08	58286	98.00
661	431	0.72	31716	53.32	**708**	296	0.50	50743	85.31	**755**	60	0.10	58346	98.10
662	461	0.78	32177	54.10	**709**	318	0.53	51061	85.85	**756**	68	0.11	58414	98.21
663	500	0.84	32677	54.94	**710**	284	0.48	51345	86.33	**757**	53	0.09	58467	98.30
664	493	0.83	33170	55.77	**711**	277	0.47	51622	86.79	**758**	53	0.09	58520	98.39
665	437	0.73	33607	56.50	**712**	298	0.50	51920	87.29	**759**	53	0.09	58573	98.48
666	432	0.73	34039	57.23	**713**	263	0.44	52183	87.73	**760**	48	0.08	58621	98.56
667	435	0.73	34474	57.96	**714**	247	0.42	52430	88.15	**761**	47	0.08	58668	98.64
668	414	0.70	34888	58.66	**715**	249	0.42	52679	88.57	**762**	48	0.08	58716	98.72
669	467	0.79	35355	59.44	**716**	250	0.42	52929	88.99	**763**	46	0.08	58762	98.80
670	456	0.77	35811	60.21	**717**	241	0.41	53170	89.39	**764**	39	0.07	58801	98.86
671	459	0.77	36270	60.98	**718**	268	0.45	53438	89.84	**765**	31	0.05	58832	98.91
672	422	0.71	36692	61.69	**719**	240	0.40	53678	90.25	**766**	22	0.04	58854	98.95
673	431	0.72	37123	62.41	**720**	221	0.37	53899	90.62	**767**	28	0.05	58882	99.00
674	461	0.78	37584	63.19	**721**	211	0.35	54110	90.97	**768**	23	0.04	58905	99.04
675	429	0.72	38013	63.91	**722**	233	0.39	54343	91.37	**769**	29	0.05	58934	99.09
676	449	0.75	38462	64.67	**723**	239	0.40	54582	91.77	**770**	38	0.06	58972	99.15
677	437	0.73	38899	65.40	**724**	214	0.36	54796	92.13	**771**	33	0.06	59005	99.20
678	441	0.74	39340	66.14	**725**	167	0.28	54963	92.41	**772**	22	0.04	59027	99.24
679	451	0.76	39791	66.90	**726**	174	0.29	55137	92.70	**773**	26	0.04	59053	99.29
680	422	0.71	40213	67.61	**727**	182	0.31	55319	93.01	**774**	22	0.04	59075	99.32
681	462	0.78	40675	68.39	**728**	164	0.28	55483	93.28	**775**	13	0.02	59088	99.34
682	451	0.76	41126	69.14	**729**	177	0.30	55660	93.58	**776**	22	0.04	59110	99.38
683	431	0.72	41557	69.87	**730**	170	0.29	55830	93.87	**777**	24	0.04	59134	99.42
684	384	0.65	41941	70.52	**731**	163	0.27	55993	94.14	**778**	13	0.02	59147	99.44
685	443	0.74	42384	71.26	**732**	132	0.22	56125	94.36	**779**	18	0.03	59165	99.47
686	442	0.74	42826	72.00	**733**	154	0.26	56279	94.62	**780**	15	0.03	59180	99.50
687	389	0.65	43215	72.66	**734**	134	0.23	56413	94.85	**781**	9	0.02	59189	99.51
688	375	0.63	43590	73.29	**735**	118	0.20	56531	95.05	**782**	15	0.03	59204	99.54
689	408	0.69	43998	73.97	**736**	124	0.21	56655	95.25	**783**	11	0.02	59215	99.56
690	393	0.66	44391	74.63	**737**	123	0.21	56778	95.46	**784**	13	0.02	59228	99.58
691	397	0.67	44788	75.30	**738**	151	0.25	56929	95.71	**785**	13	0.02	59241	99.60
692	376	0.63	45164	75.93	**739**	114	0.19	57043	95.91	**786**	20	0.03	59261	99.64

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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 %
787	14	0.02	59275	99.66	**841**	1	0.00	59467	99.98
788	13	0.02	59288	99.68	**843**	1	0.00	59468	99.98
789	7	0.01	59295	99.69	**845**	1	0.00	59469	99.98
790	8	0.01	59303	99.71	**851**	1	0.00	59470	99.99
791	9	0.02	59312	99.72	**853**	1	0.00	59471	99.99
792	9	0.02	59321	99.74	**854**	1	0.00	59472	99.99
793	3	0.01	59324	99.74	**862**	1	0.00	59473	99.99
794	8	0.01	59332	99.75	**863**	1	0.00	59474	99.99
795	9	0.02	59341	99.77	**865**	1	0.00	59475	99.99
796	6	0.01	59347	99.78	**867**	1	0.00	59476	100.00
797	8	0.01	59355	99.79	**888**	1	0.00	59477	100.00
798	7	0.01	59362	99.80	**898**	1	0.00	59478	100.00
799	2	0.00	59364	99.81					
800	9	0.02	59373	99.82					
801	5	0.01	59378	99.83					
802	4	0.01	59382	99.84					
803	3	0.01	59385	99.84					
804	9	0.02	59394	99.86					
805	4	0.01	59398	99.87					
806	4	0.01	59402	99.87					
807	6	0.01	59408	99.88					
808	2	0.00	59410	99.89					
809	1	0.00	59411	99.89					
810	2	0.00	59413	99.89					
811	2	0.00	59415	99.89					
812	3	0.01	59418	99.90					
814	3	0.01	59421	99.90					
815	3	0.01	59424	99.91					
816	4	0.01	59428	99.92					
817	2	0.00	59430	99.92					
818	2	0.00	59432	99.92					
819	3	0.01	59435	99.93					
820	5	0.01	59440	99.94					
821	4	0.01	59444	99.94					
824	5	0.01	59449	99.95					
825	2	0.00	59451	99.95					
826	2	0.00	59453	99.96					
827	1	0.00	59454	99.96					
828	2	0.00	59456	99.96					
829	1	0.00	59457	99.96					
830	1	0.00	59458	99.97					
831	2	0.00	59460	99.97					
832	2	0.00	59462	99.97					
833	1	0.00	59463	99.97					
837	1	0.00	59464	99.98					
838	1	0.00	59465	99.98					
840	1	0.00	59466	99.98					

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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	25	0.04	25	0.04	**332**	2	0.00	106	0.18	**379**	16	0.03	417	0.70
251	2	0.00	27	0.05	**333**	2	0.00	108	0.18	**380**	8	0.01	425	0.72
254	2	0.00	29	0.05	**334**	1	0.00	109	0.18	**381**	19	0.03	444	0.75
257	1	0.00	30	0.05	**335**	2	0.00	111	0.19	**382**	15	0.03	459	0.77
263	1	0.00	31	0.05	**336**	4	0.01	115	0.19	**383**	9	0.02	468	0.79
266	2	0.00	33	0.06	**337**	7	0.01	122	0.21	**384**	10	0.02	478	0.81
269	1	0.00	34	0.06	**338**	4	0.01	126	0.21	**385**	17	0.03	495	0.83
270	1	0.00	35	0.06	**339**	6	0.01	132	0.22	**386**	19	0.03	514	0.87
273	1	0.00	36	0.06	**340**	6	0.01	138	0.23	**387**	20	0.03	534	0.90
277	3	0.01	39	0.07	**341**	4	0.01	142	0.24	**388**	13	0.02	547	0.92
278	3	0.01	42	0.07	**342**	5	0.01	147	0.25	**389**	14	0.02	561	0.95
279	1	0.00	43	0.07	**343**	4	0.01	151	0.25	**390**	15	0.03	576	0.97
283	1	0.00	44	0.07	**344**	2	0.00	153	0.26	**391**	6	0.01	582	0.98
285	1	0.00	45	0.08	**345**	2	0.00	155	0.26	**392**	20	0.03	602	1.02
286	1	0.00	46	0.08	**346**	4	0.01	159	0.27	**393**	16	0.03	618	1.04
288	2	0.00	48	0.08	**347**	2	0.00	161	0.27	**394**	11	0.02	629	1.06
291	1	0.00	49	0.08	**348**	4	0.01	165	0.28	**395**	27	0.05	656	1.11
293	2	0.00	51	0.09	**349**	4	0.01	169	0.28	**396**	24	0.04	680	1.15
294	1	0.00	52	0.09	**350**	3	0.01	172	0.29	**397**	18	0.03	698	1.18
298	1	0.00	53	0.09	**351**	5	0.01	177	0.30	**398**	21	0.04	719	1.21
300	3	0.01	56	0.09	**352**	4	0.01	181	0.31	**399**	25	0.04	744	1.25
303	1	0.00	57	0.10	**353**	5	0.01	186	0.31	**400**	17	0.03	761	1.28
304	1	0.00	58	0.10	**354**	1	0.00	187	0.32	**401**	22	0.04	783	1.32
305	1	0.00	59	0.10	**355**	7	0.01	194	0.33	**402**	20	0.03	803	1.35
306	1	0.00	60	0.10	**356**	7	0.01	201	0.34	**403**	28	0.05	831	1.40
307	1	0.00	61	0.10	**357**	3	0.01	204	0.34	**404**	20	0.03	851	1.43
308	1	0.00	62	0.10	**358**	6	0.01	210	0.35	**405**	27	0.05	878	1.48
309	2	0.00	64	0.11	**359**	6	0.01	216	0.36	**406**	20	0.03	898	1.51
310	3	0.01	67	0.11	**360**	9	0.02	225	0.38	**407**	23	0.04	921	1.55
311	3	0.01	70	0.12	**361**	9	0.02	234	0.39	**408**	26	0.04	947	1.60
312	3	0.01	73	0.12	**362**	8	0.01	242	0.41	**409**	20	0.03	967	1.63
313	2	0.00	75	0.13	**363**	7	0.01	249	0.42	**410**	29	0.05	996	1.68
314	1	0.00	76	0.13	**364**	7	0.01	256	0.43	**411**	30	0.05	1026	1.73
315	1	0.00	77	0.13	**365**	8	0.01	264	0.45	**412**	26	0.04	1052	1.77
317	2	0.00	79	0.13	**366**	11	0.02	275	0.46	**413**	33	0.06	1085	1.83
319	2	0.00	81	0.14	**367**	12	0.02	287	0.48	**414**	26	0.04	1111	1.87
320	3	0.01	84	0.14	**368**	10	0.02	297	0.50	**415**	36	0.06	1147	1.93
322	5	0.01	89	0.15	**369**	7	0.01	304	0.51	**416**	29	0.05	1176	1.98
323	1	0.00	90	0.15	**370**	9	0.02	313	0.53	**417**	35	0.06	1211	2.04
324	2	0.00	92	0.16	**371**	14	0.02	327	0.55	**418**	27	0.05	1238	2.09
325	2	0.00	94	0.16	**372**	5	0.01	332	0.56	**419**	30	0.05	1268	2.14
326	2	0.00	96	0.16	**373**	9	0.02	341	0.57	**420**	38	0.06	1306	2.20
327	2	0.00	98	0.17	**374**	13	0.02	354	0.60	**421**	33	0.06	1339	2.26
328	1	0.00	99	0.17	**375**	7	0.01	361	0.61	**422**	38	0.06	1377	2.32
329	2	0.00	101	0.17	**376**	15	0.03	376	0.63	**423**	44	0.07	1421	2.40
330	1	0.00	102	0.17	**377**	7	0.01	383	0.65	**424**	38	0.06	1459	2.46
331	2	0.00	104	0.18	**378**	18	0.03	401	0.68	**425**	52	0.09	1511	2.55

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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 %
426	51	0.09	1562	2.63	**473**	119	0.20	5326	8.98	**520**	290	0.49	15004	25.30
427	33	0.06	1595	2.69	**474**	154	0.26	5480	9.24	**521**	262	0.44	15266	25.74
428	30	0.05	1625	2.74	**475**	150	0.25	5630	9.49	**522**	272	0.46	15538	26.20
429	34	0.06	1659	2.80	**476**	135	0.23	5765	9.72	**523**	287	0.48	15825	26.68
430	42	0.07	1701	2.87	**477**	144	0.24	5909	9.96	**524**	298	0.50	16123	27.19
431	44	0.07	1745	2.94	**478**	132	0.22	6041	10.19	**525**	326	0.55	16449	27.74
432	42	0.07	1787	3.01	**479**	151	0.25	6192	10.44	**526**	308	0.52	16757	28.25
433	52	0.09	1839	3.10	**480**	148	0.25	6340	10.69	**527**	303	0.51	17060	28.77
434	55	0.09	1894	3.19	**481**	148	0.25	6488	10.94	**528**	281	0.47	17341	29.24
435	55	0.09	1949	3.29	**482**	163	0.27	6651	11.21	**529**	300	0.51	17641	29.75
436	58	0.10	2007	3.38	**483**	152	0.26	6803	11.47	**530**	308	0.52	17949	30.26
437	56	0.09	2063	3.48	**484**	163	0.27	6966	11.75	**531**	320	0.54	18269	30.80
438	56	0.09	2119	3.57	**485**	185	0.31	7151	12.06	**532**	325	0.55	18594	31.35
439	61	0.10	2180	3.68	**486**	179	0.30	7330	12.36	**533**	315	0.53	18909	31.88
440	60	0.10	2240	3.78	**487**	188	0.32	7518	12.68	**534**	350	0.59	19259	32.47
441	66	0.11	2306	3.89	**488**	175	0.30	7693	12.97	**535**	298	0.50	19557	32.98
442	68	0.11	2374	4.00	**489**	202	0.34	7895	13.31	**536**	311	0.52	19868	33.50
443	61	0.10	2435	4.11	**490**	182	0.31	8077	13.62	**537**	334	0.56	20202	34.06
444	67	0.11	2502	4.22	**491**	183	0.31	8260	13.93	**538**	328	0.55	20530	34.62
445	74	0.12	2576	4.34	**492**	194	0.33	8454	14.25	**539**	338	0.57	20868	35.19
446	57	0.10	2633	4.44	**493**	204	0.34	8658	14.60	**540**	339	0.57	21207	35.76
447	71	0.12	2704	4.56	**494**	214	0.36	8872	14.96	**541**	342	0.58	21549	36.33
448	74	0.12	2778	4.68	**495**	192	0.32	9064	15.28	**542**	336	0.57	21885	36.90
449	75	0.13	2853	4.81	**496**	215	0.36	9279	15.65	**543**	328	0.55	22213	37.45
450	96	0.16	2949	4.97	**497**	213	0.36	9492	16.00	**544**	356	0.60	22569	38.05
451	73	0.12	3022	5.10	**498**	217	0.37	9709	16.37	**545**	334	0.56	22903	38.62
452	81	0.14	3103	5.23	**499**	173	0.29	9882	16.66	**546**	332	0.56	23235	39.18
453	78	0.13	3181	5.36	**500**	208	0.35	10090	17.01	**547**	350	0.59	23585	39.77
454	96	0.16	3277	5.53	**501**	211	0.36	10301	17.37	**548**	380	0.64	23965	40.41
455	92	0.16	3369	5.68	**502**	214	0.36	10515	17.73	**549**	360	0.61	24325	41.02
456	95	0.16	3464	5.84	**503**	225	0.38	10740	18.11	**550**	371	0.63	24696	41.64
457	112	0.19	3576	6.03	**504**	221	0.37	10961	18.48	**551**	332	0.56	25028	42.20
458	99	0.17	3675	6.20	**505**	232	0.39	11193	18.87	**552**	362	0.61	25390	42.81
459	94	0.16	3769	6.36	**506**	236	0.40	11429	19.27	**553**	388	0.65	25778	43.47
460	86	0.15	3855	6.50	**507**	236	0.40	11665	19.67	**554**	373	0.63	26151	44.09
461	100	0.17	3955	6.67	**508**	242	0.41	11907	20.08	**555**	339	0.57	26490	44.67
462	98	0.17	4053	6.83	**509**	228	0.38	12135	20.46	**556**	341	0.57	26831	45.24
463	76	0.13	4129	6.96	**510**	259	0.44	12394	20.90	**557**	396	0.67	27227	45.91
464	96	0.16	4225	7.12	**511**	219	0.37	12613	21.27	**558**	378	0.64	27605	46.55
465	123	0.21	4348	7.33	**512**	240	0.40	12853	21.67	**559**	387	0.65	27992	47.20
466	107	0.18	4455	7.51	**513**	233	0.39	13086	22.06	**560**	334	0.56	28326	47.76
467	120	0.20	4575	7.71	**514**	254	0.43	13340	22.49	**561**	383	0.65	28709	48.41
468	128	0.22	4703	7.93	**515**	265	0.45	13605	22.94	**562**	361	0.61	29070	49.02
469	130	0.22	4833	8.15	**516**	270	0.46	13875	23.40	**563**	365	0.62	29435	49.63
470	109	0.18	4942	8.33	**517**	270	0.46	14145	23.85	**564**	375	0.63	29810	50.26
471	126	0.21	5068	8.55	**518**	274	0.46	14419	24.31	**565**	361	0.61	30171	50.87
472	139	0.23	5207	8.78	**519**	295	0.50	14714	24.81	**566**	367	0.62	30538	51.49

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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 %
567	355	0.60	30893	52.09	**614**	254	0.43	46090	77.71	**661**	105	0.18	54813	92.42
568	324	0.55	31217	52.64	**615**	273	0.46	46363	78.17	**662**	104	0.18	54917	92.60
569	337	0.57	31554	53.20	**616**	247	0.42	46610	78.59	**663**	109	0.18	55026	92.78
570	358	0.60	31912	53.81	**617**	255	0.43	46865	79.02	**664**	104	0.18	55130	92.96
571	420	0.71	32332	54.52	**618**	269	0.45	47134	79.47	**665**	95	0.16	55225	93.12
572	329	0.55	32661	55.07	**619**	271	0.46	47405	79.93	**666**	75	0.13	55300	93.24
573	350	0.59	33011	55.66	**620**	235	0.40	47640	80.33	**667**	90	0.15	55390	93.40
574	344	0.58	33355	56.24	**621**	244	0.41	47884	80.74	**668**	82	0.14	55472	93.53
575	390	0.66	33745	56.90	**622**	239	0.40	48123	81.14	**669**	92	0.16	55564	93.69
576	375	0.63	34120	57.53	**623**	226	0.38	48349	81.52	**670**	104	0.18	55668	93.86
577	331	0.56	34451	58.09	**624**	256	0.43	48605	81.95	**671**	84	0.14	55752	94.01
578	387	0.65	34838	58.74	**625**	229	0.39	48834	82.34	**672**	110	0.19	55862	94.19
579	332	0.56	35170	59.30	**626**	228	0.38	49062	82.73	**673**	107	0.18	55969	94.37
580	360	0.61	35530	59.91	**627**	230	0.39	49292	83.11	**674**	93	0.16	56062	94.53
581	352	0.59	35882	60.50	**628**	227	0.38	49519	83.50	**675**	84	0.14	56146	94.67
582	336	0.57	36218	61.07	**629**	206	0.35	49725	83.84	**676**	60	0.10	56206	94.77
583	334	0.56	36552	61.63	**630**	225	0.38	49950	84.22	**677**	77	0.13	56283	94.90
584	382	0.64	36934	62.28	**631**	188	0.32	50138	84.54	**678**	83	0.14	56366	95.04
585	344	0.58	37278	62.86	**632**	194	0.33	50332	84.87	**679**	77	0.13	56443	95.17
586	343	0.58	37621	63.43	**633**	225	0.38	50557	85.25	**680**	103	0.17	56546	95.34
587	342	0.58	37963	64.01	**634**	195	0.33	50752	85.58	**681**	66	0.11	56612	95.46
588	348	0.59	38311	64.60	**635**	179	0.30	50931	85.88	**682**	68	0.11	56680	95.57
589	345	0.58	38656	65.18	**636**	163	0.27	51094	86.15	**683**	62	0.10	56742	95.68
590	359	0.61	39015	65.78	**637**	185	0.31	51279	86.46	**684**	46	0.08	56788	95.75
591	323	0.54	39338	66.33	**638**	175	0.30	51454	86.76	**685**	58	0.10	56846	95.85
592	297	0.50	39635	66.83	**639**	173	0.29	51627	87.05	**686**	67	0.11	56913	95.96
593	335	0.56	39970	67.40	**640**	156	0.26	51783	87.31	**687**	62	0.10	56975	96.07
594	309	0.52	40279	67.92	**641**	197	0.33	51980	87.65	**688**	56	0.09	57031	96.16
595	306	0.52	40585	68.43	**642**	197	0.33	52177	87.98	**689**	50	0.08	57081	96.25
596	310	0.52	40895	68.95	**643**	167	0.28	52344	88.26	**690**	47	0.08	57128	96.33
597	299	0.50	41194	69.46	**644**	151	0.25	52495	88.51	**691**	62	0.10	57190	96.43
598	319	0.54	41513	70.00	**645**	158	0.27	52653	88.78	**692**	94	0.16	57284	96.59
599	334	0.56	41847	70.56	**646**	176	0.30	52829	89.08	**693**	68	0.11	57352	96.70
600	303	0.51	42150	71.07	**647**	175	0.30	53004	89.37	**694**	41	0.07	57393	96.77
601	290	0.49	42440	71.56	**648**	162	0.27	53166	89.65	**695**	42	0.07	57435	96.84
602	320	0.54	42760	72.10	**649**	122	0.21	53288	89.85	**696**	61	0.10	57496	96.95
603	304	0.51	43064	72.61	**650**	146	0.25	53434	90.10	**697**	42	0.07	57538	97.02
604	271	0.46	43335	73.07	**651**	154	0.26	53588	90.36	**698**	39	0.07	57577	97.08
605	288	0.49	43623	73.55	**652**	127	0.21	53715	90.57	**699**	45	0.08	57622	97.16
606	314	0.53	43937	74.08	**653**	131	0.22	53846	90.79	**700**	38	0.06	57660	97.22
607	252	0.42	44189	74.51	**654**	154	0.26	54000	91.05	**701**	29	0.05	57689	97.27
608	266	0.45	44455	74.96	**655**	115	0.19	54115	91.25	**702**	49	0.08	57738	97.35
609	277	0.47	44732	75.42	**656**	132	0.22	54247	91.47	**703**	36	0.06	57774	97.42
610	268	0.45	45000	75.88	**657**	122	0.21	54369	91.67	**704**	43	0.07	57817	97.49
611	265	0.45	45265	76.32	**658**	119	0.20	54488	91.87	**705**	43	0.07	57860	97.56
612	298	0.50	45563	76.83	**659**	129	0.22	54617	92.09	**706**	54	0.09	57914	97.65
613	273	0.46	45836	77.29	**660**	91	0.15	54708	92.25	**707**	32	0.05	57946	97.71

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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 %
708	51	0.09	57997	97.79	**755**	14	0.02	58871	99.26	**819**	17	0.03	59165	99.76
709	27	0.05	58024	97.84	**756**	6	0.01	58877	99.27	**820**	1	0.00	59166	99.76
710	27	0.05	58051	97.88	**757**	4	0.01	58881	99.28	**821**	1	0.00	59167	99.76
711	20	0.03	58071	97.92	**758**	18	0.03	58899	99.31	**822**	3	0.01	59170	99.77
712	20	0.03	58091	97.95	**759**	6	0.01	58905	99.32	**825**	12	0.02	59182	99.79
713	42	0.07	58133	98.02	**760**	1	0.00	58906	99.32	**827**	15	0.03	59197	99.81
714	42	0.07	58175	98.09	**761**	1	0.00	58907	99.33	**834**	1	0.00	59198	99.82
715	24	0.04	58199	98.13	**762**	6	0.01	58913	99.34	**835**	28	0.05	59226	99.86
716	22	0.04	58221	98.17	**763**	10	0.02	58923	99.35	**837**	19	0.03	59245	99.90
717	20	0.03	58241	98.20	**764**	4	0.01	58927	99.36	**849**	1	0.00	59246	99.90
718	21	0.04	58262	98.24	**765**	4	0.01	58931	99.37	**902**	1	0.00	59247	99.90
719	24	0.04	58286	98.28	**766**	4	0.01	58935	99.37	**906**	8	0.01	59255	99.91
720	17	0.03	58303	98.31	**767**	4	0.01	58939	99.38	**910**	52	0.09	59307	100.00
721	41	0.07	58344	98.38	**768**	5	0.01	58944	99.39					
722	26	0.04	58370	98.42	**769**	2	0.00	58946	99.39					
723	31	0.05	58401	98.47	**770**	8	0.01	58954	99.40					
724	32	0.05	58433	98.53	**771**	7	0.01	58961	99.42					
725	25	0.04	58458	98.57	**772**	11	0.02	58972	99.44					
726	22	0.04	58480	98.61	**773**	4	0.01	58976	99.44					
727	22	0.04	58502	98.64	**774**	6	0.01	58982	99.45					
728	12	0.02	58514	98.66	**775**	1	0.00	58983	99.45					
729	21	0.04	58535	98.70	**776**	7	0.01	58990	99.47					
730	14	0.02	58549	98.72	**777**	36	0.06	59026	99.53					
731	14	0.02	58563	98.75	**778**	10	0.02	59036	99.54					
732	20	0.03	58583	98.78	**779**	1	0.00	59037	99.54					
733	8	0.01	58591	98.79	**781**	23	0.04	59060	99.58					
734	15	0.03	58606	98.82	**782**	1	0.00	59061	99.59					
735	3	0.01	58609	98.82	**783**	4	0.01	59065	99.59					
736	3	0.01	58612	98.83	**785**	1	0.00	59066	99.59					
737	7	0.01	58619	98.84	**786**	1	0.00	59067	99.60					
738	16	0.03	58635	98.87	**787**	2	0.00	59069	99.60					
739	6	0.01	58641	98.88	**789**	1	0.00	59070	99.60					
740	8	0.01	58649	98.89	**793**	14	0.02	59084	99.62					
741	25	0.04	58674	98.93	**794**	12	0.02	59096	99.64					
742	17	0.03	58691	98.96	**795**	2	0.00	59098	99.65					
743	4	0.01	58695	98.97	**796**	5	0.01	59103	99.66					
744	24	0.04	58719	99.01	**798**	1	0.00	59104	99.66					
745	16	0.03	58735	99.04	**799**	1	0.00	59105	99.66					
746	29	0.05	58764	99.08	**800**	2	0.00	59107	99.66					
747	50	0.08	58814	99.17	**801**	7	0.01	59114	99.67					
748	9	0.02	58823	99.18	**803**	3	0.01	59117	99.68					
749	4	0.01	58827	99.19	**804**	7	0.01	59124	99.69					
750	4	0.01	58831	99.20	**807**	1	0.00	59125	99.69					
751	12	0.02	58843	99.22	**808**	4	0.01	59129	99.70					
752	6	0.01	58849	99.23	**810**	3	0.01	59132	99.70					
753	3	0.01	58852	99.23	**813**	6	0.01	59138	99.72					
754	5	0.01	58857	99.24	**818**	10	0.02	59148	99.73					

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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	244	0.41	244	0.41	**358**	4	0.01	409	0.69	**405**	16	0.03	942	1.58
311	1	0.00	245	0.41	**359**	6	0.01	415	0.70	**406**	25	0.04	967	1.62
312	2	0.00	247	0.41	**360**	5	0.01	420	0.71	**407**	19	0.03	986	1.66
313	1	0.00	248	0.42	**361**	6	0.01	426	0.72	**408**	30	0.05	1016	1.71
314	1	0.00	249	0.42	**362**	6	0.01	432	0.73	**409**	17	0.03	1033	1.73
315	2	0.00	251	0.42	**363**	4	0.01	436	0.73	**410**	29	0.05	1062	1.78
316	2	0.00	253	0.42	**364**	9	0.02	445	0.75	**411**	24	0.04	1086	1.82
317	2	0.00	255	0.43	**365**	5	0.01	450	0.76	**412**	27	0.05	1113	1.87
318	4	0.01	259	0.43	**366**	10	0.02	460	0.77	**413**	31	0.05	1144	1.92
319	1	0.00	260	0.44	**367**	11	0.02	471	0.79	**414**	27	0.05	1171	1.97
320	1	0.00	261	0.44	**368**	11	0.02	482	0.81	**415**	28	0.05	1199	2.01
321	2	0.00	263	0.44	**369**	7	0.01	489	0.82	**416**	31	0.05	1230	2.07
322	3	0.01	266	0.45	**370**	13	0.02	502	0.84	**417**	14	0.02	1244	2.09
323	5	0.01	271	0.46	**371**	6	0.01	508	0.85	**418**	25	0.04	1269	2.13
324	1	0.00	272	0.46	**372**	8	0.01	516	0.87	**419**	41	0.07	1310	2.20
325	4	0.01	276	0.46	**373**	6	0.01	522	0.88	**420**	30	0.05	1340	2.25
326	2	0.00	278	0.47	**374**	12	0.02	534	0.90	**421**	32	0.05	1372	2.30
327	5	0.01	283	0.48	**375**	6	0.01	540	0.91	**422**	17	0.03	1389	2.33
328	5	0.01	288	0.48	**376**	9	0.02	549	0.92	**423**	48	0.08	1437	2.41
329	2	0.00	290	0.49	**377**	6	0.01	555	0.93	**424**	34	0.06	1471	2.47
330	5	0.01	295	0.50	**378**	10	0.02	565	0.95	**425**	22	0.04	1493	2.51
331	3	0.01	298	0.50	**379**	14	0.02	579	0.97	**426**	31	0.05	1524	2.56
332	3	0.01	301	0.51	**380**	15	0.03	594	1.00	**427**	40	0.07	1564	2.63
333	3	0.01	304	0.51	**381**	11	0.02	605	1.02	**428**	35	0.06	1599	2.69
335	2	0.00	306	0.51	**382**	11	0.02	616	1.03	**429**	30	0.05	1629	2.74
336	2	0.00	308	0.52	**383**	11	0.02	627	1.05	**430**	37	0.06	1666	2.80
337	1	0.00	309	0.52	**384**	11	0.02	638	1.07	**431**	29	0.05	1695	2.85
338	3	0.01	312	0.52	**385**	7	0.01	645	1.08	**432**	47	0.08	1742	2.93
339	4	0.01	316	0.53	**386**	12	0.02	657	1.10	**433**	44	0.07	1786	3.00
340	1	0.00	317	0.53	**387**	18	0.03	675	1.13	**434**	38	0.06	1824	3.06
341	4	0.01	321	0.54	**388**	14	0.02	689	1.16	**435**	44	0.07	1868	3.14
342	5	0.01	326	0.55	**389**	8	0.01	697	1.17	**436**	47	0.08	1915	3.22
343	4	0.01	330	0.55	**390**	12	0.02	709	1.19	**437**	48	0.08	1963	3.30
344	4	0.01	334	0.56	**391**	11	0.02	720	1.21	**438**	37	0.06	2000	3.36
345	9	0.02	343	0.58	**392**	17	0.03	737	1.24	**439**	46	0.08	2046	3.44
346	4	0.01	347	0.58	**393**	16	0.03	753	1.26	**440**	39	0.07	2085	3.50
347	6	0.01	353	0.59	**394**	17	0.03	770	1.29	**441**	49	0.08	2134	3.58
348	6	0.01	359	0.60	**395**	17	0.03	787	1.32	**442**	54	0.09	2188	3.67
349	5	0.01	364	0.61	**396**	10	0.02	797	1.34	**443**	47	0.08	2235	3.75
350	7	0.01	371	0.62	**397**	20	0.03	817	1.37	**444**	53	0.09	2288	3.84
351	5	0.01	376	0.63	**398**	20	0.03	837	1.41	**445**	51	0.09	2339	3.93
352	4	0.01	380	0.64	**399**	15	0.03	852	1.43	**446**	56	0.09	2395	4.02
353	4	0.01	384	0.64	**400**	13	0.02	865	1.45	**447**	63	0.11	2458	4.13
354	5	0.01	389	0.65	**401**	20	0.03	885	1.49	**448**	55	0.09	2513	4.22
355	6	0.01	395	0.66	**402**	15	0.03	900	1.51	**449**	65	0.11	2578	4.33
356	5	0.01	400	0.67	**403**	12	0.02	912	1.53	**450**	54	0.09	2632	4.42
357	5	0.01	405	0.68	**404**	14	0.02	926	1.56	**451**	52	0.09	2684	4.51

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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 %
452	68	0.11	2752	4.62	**499**	157	0.26	8289	13.92	**546**	294	0.49	19188	32.23
453	70	0.12	2822	4.74	**500**	176	0.30	8465	14.22	**547**	303	0.51	19491	32.73
454	71	0.12	2893	4.86	**501**	171	0.29	8636	14.50	**548**	303	0.51	19794	33.24
455	75	0.13	2968	4.98	**502**	179	0.30	8815	14.80	**549**	288	0.48	20082	33.73
456	70	0.12	3038	5.10	**503**	173	0.29	8988	15.09	**550**	288	0.48	20370	34.21
457	78	0.13	3116	5.23	**504**	184	0.31	9172	15.40	**551**	338	0.57	20708	34.78
458	71	0.12	3187	5.35	**505**	190	0.32	9362	15.72	**552**	328	0.55	21036	35.33
459	74	0.12	3261	5.48	**506**	184	0.31	9546	16.03	**553**	315	0.53	21351	35.86
460	93	0.16	3354	5.63	**507**	187	0.31	9733	16.35	**554**	281	0.47	21632	36.33
461	83	0.14	3437	5.77	**508**	215	0.36	9948	16.71	**555**	305	0.51	21937	36.84
462	77	0.13	3514	5.90	**509**	200	0.34	10148	17.04	**556**	307	0.52	22244	37.36
463	90	0.15	3604	6.05	**510**	201	0.34	10349	17.38	**557**	318	0.53	22562	37.89
464	92	0.15	3696	6.21	**511**	206	0.35	10555	17.73	**558**	313	0.53	22875	38.42
465	105	0.18	3801	6.38	**512**	214	0.36	10769	18.09	**559**	337	0.57	23212	38.98
466	86	0.14	3887	6.53	**513**	185	0.31	10954	18.40	**560**	293	0.49	23505	39.48
467	98	0.16	3985	6.69	**514**	199	0.33	11153	18.73	**561**	309	0.52	23814	39.99
468	108	0.18	4093	6.87	**515**	226	0.38	11379	19.11	**562**	338	0.57	24152	40.56
469	95	0.16	4188	7.03	**516**	233	0.39	11612	19.50	**563**	334	0.56	24486	41.12
470	96	0.16	4284	7.19	**517**	228	0.38	11840	19.88	**564**	324	0.54	24810	41.67
471	111	0.19	4395	7.38	**518**	215	0.36	12055	20.25	**565**	309	0.52	25119	42.19
472	113	0.19	4508	7.57	**519**	235	0.39	12290	20.64	**566**	317	0.53	25436	42.72
473	98	0.16	4606	7.74	**520**	229	0.38	12519	21.03	**567**	373	0.63	25809	43.35
474	104	0.17	4710	7.91	**521**	204	0.34	12723	21.37	**568**	370	0.62	26179	43.97
475	111	0.19	4821	8.10	**522**	252	0.42	12975	21.79	**569**	316	0.53	26495	44.50
476	109	0.18	4930	8.28	**523**	214	0.36	13189	22.15	**570**	309	0.52	26804	45.02
477	137	0.23	5067	8.51	**524**	219	0.37	13408	22.52	**571**	311	0.52	27115	45.54
478	120	0.20	5187	8.71	**525**	226	0.38	13634	22.90	**572**	308	0.52	27423	46.06
479	122	0.20	5309	8.92	**526**	236	0.40	13870	23.29	**573**	306	0.51	27729	46.57
480	124	0.21	5433	9.12	**527**	248	0.42	14118	23.71	**574**	331	0.56	28060	47.13
481	125	0.21	5558	9.33	**528**	253	0.42	14371	24.14	**575**	296	0.50	28356	47.62
482	145	0.24	5703	9.58	**529**	256	0.43	14627	24.57	**576**	323	0.54	28679	48.17
483	144	0.24	5847	9.82	**530**	258	0.43	14885	25.00	**577**	297	0.50	28976	48.66
484	132	0.22	5979	10.04	**531**	252	0.42	15137	25.42	**578**	354	0.59	29330	49.26
485	137	0.23	6116	10.27	**532**	247	0.41	15384	25.84	**579**	348	0.58	29678	49.84
486	151	0.25	6267	10.53	**533**	261	0.44	15645	26.28	**580**	326	0.55	30004	50.39
487	153	0.26	6420	10.78	**534**	259	0.43	15904	26.71	**581**	342	0.57	30346	50.96
488	154	0.26	6574	11.04	**535**	273	0.46	16177	27.17	**582**	334	0.56	30680	51.53
489	149	0.25	6723	11.29	**536**	266	0.45	16443	27.62	**583**	328	0.55	31008	52.08
490	164	0.28	6887	11.57	**537**	214	0.36	16657	27.97	**584**	335	0.56	31343	52.64
491	156	0.26	7043	11.83	**538**	292	0.49	16949	28.47	**585**	352	0.59	31695	53.23
492	152	0.26	7195	12.08	**539**	249	0.42	17198	28.88	**586**	331	0.56	32026	53.79
493	163	0.27	7358	12.36	**540**	266	0.45	17464	29.33	**587**	344	0.58	32370	54.36
494	163	0.27	7521	12.63	**541**	276	0.46	17740	29.79	**588**	327	0.55	32697	54.91
495	153	0.26	7674	12.89	**542**	274	0.46	18014	30.25	**589**	349	0.59	33046	55.50
496	148	0.25	7822	13.14	**543**	293	0.49	18307	30.75	**590**	356	0.60	33402	56.10
497	165	0.28	7987	13.41	**544**	268	0.45	18575	31.20	**591**	313	0.53	33715	56.62
498	145	0.24	8132	13.66	**545**	319	0.54	18894	31.73	**592**	316	0.53	34031	57.15

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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 %
593	375	0.63	34406	57.78	**640**	263	0.44	48600	81.62	**687**	103	0.17	57006	95.74
594	368	0.62	34774	58.40	**641**	264	0.44	48864	82.07	**688**	96	0.16	57102	95.90
595	305	0.51	35079	58.91	**642**	251	0.42	49115	82.49	**689**	78	0.13	57180	96.03
596	321	0.54	35400	59.45	**643**	255	0.43	49370	82.91	**690**	85	0.14	57265	96.17
597	329	0.55	35729	60.01	**644**	258	0.43	49628	83.35	**691**	88	0.15	57353	96.32
598	338	0.57	36067	60.57	**645**	257	0.43	49885	83.78	**692**	70	0.12	57423	96.44
599	303	0.51	36370	61.08	**646**	249	0.42	50134	84.20	**693**	82	0.14	57505	96.58
600	328	0.55	36698	61.63	**647**	232	0.39	50366	84.59	**694**	74	0.12	57579	96.70
601	312	0.52	37010	62.16	**648**	241	0.40	50607	84.99	**695**	74	0.12	57653	96.83
602	309	0.52	37319	62.68	**649**	211	0.35	50818	85.35	**696**	66	0.11	57719	96.94
603	302	0.51	37621	63.18	**650**	247	0.41	51065	85.76	**697**	64	0.11	57783	97.04
604	294	0.49	37915	63.68	**651**	225	0.38	51290	86.14	**698**	52	0.09	57835	97.13
605	295	0.50	38210	64.17	**652**	227	0.38	51517	86.52	**699**	75	0.13	57910	97.26
606	327	0.55	38537	64.72	**653**	236	0.40	51753	86.92	**700**	73	0.12	57983	97.38
607	312	0.52	38849	65.25	**654**	228	0.38	51981	87.30	**701**	60	0.10	58043	97.48
608	293	0.49	39142	65.74	**655**	251	0.42	52232	87.72	**702**	53	0.09	58096	97.57
609	334	0.56	39476	66.30	**656**	205	0.34	52437	88.07	**703**	57	0.10	58153	97.67
610	315	0.53	39791	66.83	**657**	218	0.37	52655	88.43	**704**	55	0.09	58208	97.76
611	330	0.55	40121	67.38	**658**	210	0.35	52865	88.78	**705**	54	0.09	58262	97.85
612	301	0.51	40422	67.89	**659**	209	0.35	53074	89.14	**706**	48	0.08	58310	97.93
613	308	0.52	40730	68.40	**660**	204	0.34	53278	89.48	**707**	49	0.08	58359	98.01
614	308	0.52	41038	68.92	**661**	194	0.33	53472	89.80	**708**	46	0.08	58405	98.09
615	322	0.54	41360	69.46	**662**	181	0.30	53653	90.11	**709**	53	0.09	58458	98.18
616	298	0.50	41658	69.96	**663**	177	0.30	53830	90.41	**710**	49	0.08	58507	98.26
617	326	0.55	41984	70.51	**664**	154	0.26	53984	90.66	**711**	40	0.07	58547	98.33
618	333	0.56	42317	71.07	**665**	169	0.28	54153	90.95	**712**	38	0.06	58585	98.39
619	313	0.53	42630	71.60	**666**	158	0.27	54311	91.21	**713**	49	0.08	58634	98.47
620	283	0.48	42913	72.07	**667**	186	0.31	54497	91.53	**714**	37	0.06	58671	98.54
621	302	0.51	43215	72.58	**668**	172	0.29	54669	91.81	**715**	32	0.05	58703	98.59
622	292	0.49	43507	73.07	**669**	157	0.26	54826	92.08	**716**	36	0.06	58739	98.65
623	304	0.51	43811	73.58	**670**	149	0.25	54975	92.33	**717**	32	0.05	58771	98.70
624	301	0.51	44112	74.08	**671**	131	0.22	55106	92.55	**718**	22	0.04	58793	98.74
625	277	0.47	44389	74.55	**672**	152	0.26	55258	92.80	**719**	39	0.07	58832	98.81
626	291	0.49	44680	75.04	**673**	122	0.20	55380	93.01	**720**	41	0.07	58873	98.87
627	292	0.49	44972	75.53	**674**	131	0.22	55511	93.23	**721**	23	0.04	58896	98.91
628	272	0.46	45244	75.99	**675**	139	0.23	55650	93.46	**722**	23	0.04	58919	98.95
629	327	0.55	45571	76.53	**676**	127	0.21	55777	93.68	**723**	35	0.06	58954	99.01
630	311	0.52	45882	77.06	**677**	144	0.24	55921	93.92	**724**	29	0.05	58983	99.06
631	272	0.46	46154	77.51	**678**	146	0.25	56067	94.16	**725**	18	0.03	59001	99.09
632	273	0.46	46427	77.97	**679**	126	0.21	56193	94.37	**726**	20	0.03	59021	99.12
633	283	0.48	46710	78.45	**680**	105	0.18	56298	94.55	**727**	19	0.03	59040	99.16
634	280	0.47	46990	78.92	**681**	105	0.18	56403	94.73	**728**	26	0.04	59066	99.20
635	267	0.45	47257	79.37	**682**	121	0.20	56524	94.93	**729**	15	0.03	59081	99.22
636	256	0.43	47513	79.80	**683**	107	0.18	56631	95.11	**730**	18	0.03	59099	99.25
637	296	0.50	47809	80.29	**684**	91	0.15	56722	95.26	**731**	13	0.02	59112	99.28
638	265	0.45	48074	80.74	**685**	87	0.15	56809	95.41	**732**	18	0.03	59130	99.31
639	263	0.44	48337	81.18	**686**	94	0.16	56903	95.57	**733**	17	0.03	59147	99.33

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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 %
734	20	0.03	59167	99.37	**782**	2	0.00	59482	99.90
735	23	0.04	59190	99.41	**783**	5	0.01	59487	99.91
736	17	0.03	59207	99.44	**784**	4	0.01	59491	99.91
737	13	0.02	59220	99.46	**785**	1	0.00	59492	99.91
738	13	0.02	59233	99.48	**786**	3	0.01	59495	99.92
739	16	0.03	59249	99.51	**787**	3	0.01	59498	99.92
740	14	0.02	59263	99.53	**788**	3	0.01	59501	99.93
741	8	0.01	59271	99.54	**790**	1	0.00	59502	99.93
742	8	0.01	59279	99.56	**791**	2	0.00	59504	99.93
743	10	0.02	59289	99.57	**792**	2	0.00	59506	99.94
744	15	0.03	59304	99.60	**794**	1	0.00	59507	99.94
745	8	0.01	59312	99.61	**795**	1	0.00	59508	99.94
746	12	0.02	59324	99.63	**801**	2	0.00	59510	99.94
747	11	0.02	59335	99.65	**803**	2	0.00	59512	99.95
748	7	0.01	59342	99.66	**806**	2	0.00	59514	99.95
749	10	0.02	59352	99.68	**807**	2	0.00	59516	99.95
750	4	0.01	59356	99.69	**808**	3	0.01	59519	99.96
751	4	0.01	59360	99.69	**809**	1	0.00	59520	99.96
752	6	0.01	59366	99.70	**810**	1	0.00	59521	99.96
753	7	0.01	59373	99.71	**811**	1	0.00	59522	99.96
754	9	0.02	59382	99.73	**815**	1	0.00	59523	99.97
755	6	0.01	59388	99.74	**818**	1	0.00	59524	99.97
756	2	0.00	59390	99.74	**827**	1	0.00	59525	99.97
757	8	0.01	59398	99.76	**832**	2	0.00	59527	99.97
758	8	0.01	59406	99.77	**834**	2	0.00	59529	99.98
759	3	0.01	59409	99.77	**837**	2	0.00	59531	99.98
760	4	0.01	59413	99.78	**841**	2	0.00	59533	99.98
761	7	0.01	59420	99.79	**850**	1	0.00	59534	99.98
762	2	0.00	59422	99.80	**859**	1	0.00	59535	99.99
763	7	0.01	59429	99.81	**866**	1	0.00	59536	99.99
764	5	0.01	59434	99.82	**890**	7	0.01	59543	100.00
765	5	0.01	59439	99.83					
766	4	0.01	59443	99.83					
767	2	0.00	59445	99.84					
768	4	0.01	59449	99.84					
769	2	0.00	59451	99.85					
770	4	0.01	59455	99.85					
771	2	0.00	59457	99.86					
772	5	0.01	59462	99.86					
773	2	0.00	59464	99.87					
774	2	0.00	59466	99.87					
775	4	0.01	59470	99.88					
776	2	0.00	59472	99.88					
777	4	0.01	59476	99.89					
778	2	0.00	59478	99.89					
779	1	0.00	59479	99.89					
781	1	0.00	59480	99.89					

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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	348	0.59	348	0.59	**347**	27	0.05	929	1.56	**394**	74	0.12	3186	5.36
301	9	0.02	357	0.60	**348**	24	0.04	953	1.60	**395**	80	0.13	3266	5.49
302	2	0.00	359	0.60	**349**	22	0.04	975	1.64	**396**	89	0.15	3355	5.64
303	4	0.01	363	0.61	**350**	34	0.06	1009	1.70	**397**	74	0.12	3429	5.77
304	8	0.01	371	0.62	**351**	23	0.04	1032	1.74	**398**	73	0.12	3502	5.89
305	5	0.01	376	0.63	**352**	28	0.05	1060	1.78	**399**	93	0.16	3595	6.05
306	12	0.02	388	0.65	**353**	34	0.06	1094	1.84	**400**	103	0.17	3698	6.22
307	10	0.02	398	0.67	**354**	40	0.07	1134	1.91	**401**	102	0.17	3800	6.39
308	4	0.01	402	0.68	**355**	34	0.06	1168	1.96	**402**	92	0.15	3892	6.55
309	9	0.02	411	0.69	**356**	21	0.04	1189	2.00	**403**	116	0.20	4008	6.74
310	8	0.01	419	0.70	**357**	19	0.03	1208	2.03	**404**	93	0.16	4101	6.90
311	8	0.01	427	0.72	**358**	41	0.07	1249	2.10	**405**	113	0.19	4214	7.09
312	8	0.01	435	0.73	**359**	35	0.06	1284	2.16	**406**	110	0.19	4324	7.27
313	3	0.01	438	0.74	**360**	42	0.07	1326	2.23	**407**	117	0.20	4441	7.47
314	10	0.02	448	0.75	**361**	37	0.06	1363	2.29	**408**	123	0.21	4564	7.68
315	8	0.01	456	0.77	**362**	30	0.05	1393	2.34	**409**	106	0.18	4670	7.86
316	11	0.02	467	0.79	**363**	46	0.08	1439	2.42	**410**	126	0.21	4796	8.07
317	10	0.02	477	0.80	**364**	36	0.06	1475	2.48	**411**	118	0.20	4914	8.27
318	9	0.02	486	0.82	**365**	40	0.07	1515	2.55	**412**	113	0.19	5027	8.46
319	4	0.01	490	0.82	**366**	38	0.06	1553	2.61	**413**	120	0.20	5147	8.66
320	7	0.01	497	0.84	**367**	44	0.07	1597	2.69	**414**	122	0.21	5269	8.86
321	15	0.03	512	0.86	**368**	51	0.09	1648	2.77	**415**	119	0.20	5388	9.06
322	12	0.02	524	0.88	**369**	46	0.08	1694	2.85	**416**	128	0.22	5516	9.28
323	10	0.02	534	0.90	**370**	56	0.09	1750	2.94	**417**	133	0.22	5649	9.50
324	13	0.02	547	0.92	**371**	56	0.09	1806	3.04	**418**	113	0.19	5762	9.69
325	11	0.02	558	0.94	**372**	53	0.09	1859	3.13	**419**	108	0.18	5870	9.87
326	11	0.02	569	0.96	**373**	42	0.07	1901	3.20	**420**	160	0.27	6030	10.14
327	13	0.02	582	0.98	**374**	48	0.08	1949	3.28	**421**	130	0.22	6160	10.36
328	12	0.02	594	1.00	**375**	48	0.08	1997	3.36	**422**	152	0.26	6312	10.62
329	16	0.03	610	1.03	**376**	36	0.06	2033	3.42	**423**	151	0.25	6463	10.87
330	13	0.02	623	1.05	**377**	47	0.08	2080	3.50	**424**	155	0.26	6618	11.13
331	12	0.02	635	1.07	**378**	63	0.11	2143	3.60	**425**	142	0.24	6760	11.37
332	8	0.01	643	1.08	**379**	35	0.06	2178	3.66	**426**	162	0.27	6922	11.64
333	13	0.02	656	1.10	**380**	47	0.08	2225	3.74	**427**	140	0.24	7062	11.88
334	16	0.03	672	1.13	**381**	49	0.08	2274	3.83	**428**	178	0.30	7240	12.18
335	20	0.03	692	1.16	**382**	41	0.07	2315	3.89	**429**	177	0.30	7417	12.48
336	21	0.04	713	1.20	**383**	73	0.12	2388	4.02	**430**	177	0.30	7594	12.77
337	20	0.03	733	1.23	**384**	66	0.11	2454	4.13	**431**	170	0.29	7764	13.06
338	16	0.03	749	1.26	**385**	57	0.10	2511	4.22	**432**	180	0.30	7944	13.36
339	19	0.03	768	1.29	**386**	82	0.14	2593	4.36	**433**	191	0.32	8135	13.68
340	22	0.04	790	1.33	**387**	78	0.13	2671	4.49	**434**	192	0.32	8327	14.01
341	19	0.03	809	1.36	**388**	70	0.12	2741	4.61	**435**	189	0.32	8516	14.33
342	16	0.03	825	1.39	**389**	71	0.12	2812	4.73	**436**	162	0.27	8678	14.60
343	16	0.03	841	1.41	**390**	65	0.11	2877	4.84	**437**	211	0.35	8889	14.95
344	17	0.03	858	1.44	**391**	79	0.13	2956	4.97	**438**	179	0.30	9068	15.25
345	23	0.04	881	1.48	**392**	73	0.12	3029	5.10	**439**	173	0.29	9241	15.55
346	21	0.04	902	1.52	**393**	83	0.14	3112	5.24	**440**	192	0.32	9433	15.87

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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	217	0.37	9650	16.23	**488**	367	0.62	23063	38.80	**535**	395	0.66	42302	71.16
442	202	0.34	9852	16.57	**489**	341	0.57	23404	39.37	**536**	384	0.65	42686	71.81
443	181	0.30	10033	16.88	**490**	375	0.63	23779	40.00	**537**	405	0.68	43091	72.49
444	222	0.37	10255	17.25	**491**	419	0.70	24198	40.71	**538**	414	0.70	43505	73.18
445	206	0.35	10461	17.60	**492**	371	0.62	24569	41.33	**539**	397	0.67	43902	73.85
446	228	0.38	10689	17.98	**493**	371	0.62	24940	41.95	**540**	415	0.70	44317	74.55
447	233	0.39	10922	18.37	**494**	361	0.61	25301	42.56	**541**	346	0.58	44663	75.13
448	232	0.39	11154	18.76	**495**	396	0.67	25697	43.23	**542**	337	0.57	45000	75.70
449	219	0.37	11373	19.13	**496**	386	0.65	26083	43.88	**543**	336	0.57	45336	76.26
450	233	0.39	11606	19.52	**497**	387	0.65	26470	44.53	**544**	400	0.67	45736	76.94
451	221	0.37	11827	19.90	**498**	425	0.71	26895	45.24	**545**	353	0.59	46089	77.53
452	221	0.37	12048	20.27	**499**	367	0.62	27262	45.86	**546**	330	0.56	46419	78.09
453	233	0.39	12281	20.66	**500**	397	0.67	27659	46.53	**547**	356	0.60	46775	78.68
454	252	0.42	12533	21.08	**501**	411	0.69	28070	47.22	**548**	324	0.55	47099	79.23
455	244	0.41	12777	21.49	**502**	454	0.76	28524	47.98	**549**	354	0.60	47453	79.83
456	256	0.43	13033	21.92	**503**	405	0.68	28929	48.66	**550**	353	0.59	47806	80.42
457	248	0.42	13281	22.34	**504**	431	0.73	29360	49.39	**551**	311	0.52	48117	80.94
458	246	0.41	13527	22.76	**505**	395	0.66	29755	50.05	**552**	335	0.56	48452	81.51
459	276	0.46	13803	23.22	**506**	442	0.74	30197	50.80	**553**	335	0.56	48787	82.07
460	230	0.39	14033	23.61	**507**	424	0.71	30621	51.51	**554**	325	0.55	49112	82.62
461	243	0.41	14276	24.02	**508**	442	0.74	31063	52.25	**555**	309	0.52	49421	83.14
462	261	0.44	14537	24.45	**509**	422	0.71	31485	52.96	**556**	289	0.49	49710	83.62
463	294	0.49	14831	24.95	**510**	428	0.72	31913	53.68	**557**	287	0.48	49997	84.10
464	279	0.47	15110	25.42	**511**	443	0.75	32356	54.43	**558**	293	0.49	50290	84.60
465	255	0.43	15365	25.85	**512**	436	0.73	32792	55.16	**559**	283	0.48	50573	85.07
466	305	0.51	15670	26.36	**513**	407	0.68	33199	55.85	**560**	288	0.48	50861	85.56
467	279	0.47	15949	26.83	**514**	373	0.63	33572	56.47	**561**	249	0.42	51110	85.98
468	310	0.52	16259	27.35	**515**	416	0.70	33988	57.17	**562**	265	0.45	51375	86.42
469	307	0.52	16566	27.87	**516**	408	0.69	34396	57.86	**563**	254	0.43	51629	86.85
470	320	0.54	16886	28.41	**517**	419	0.70	34815	58.57	**564**	293	0.49	51922	87.34
471	302	0.51	17188	28.91	**518**	430	0.72	35245	59.29	**565**	266	0.45	52188	87.79
472	342	0.58	17530	29.49	**519**	397	0.67	35642	59.96	**566**	252	0.42	52440	88.21
473	322	0.54	17852	30.03	**520**	431	0.73	36073	60.68	**567**	259	0.44	52699	88.65
474	354	0.60	18206	30.63	**521**	394	0.66	36467	61.34	**568**	250	0.42	52949	89.07
475	361	0.61	18567	31.23	**522**	414	0.70	36881	62.04	**569**	228	0.38	53177	89.45
476	324	0.55	18891	31.78	**523**	433	0.73	37314	62.77	**570**	217	0.37	53394	89.82
477	324	0.55	19215	32.32	**524**	409	0.69	37723	63.46	**571**	230	0.39	53624	90.21
478	348	0.59	19563	32.91	**525**	430	0.72	38153	64.18	**572**	212	0.36	53836	90.56
479	370	0.62	19933	33.53	**526**	435	0.73	38588	64.91	**573**	216	0.36	54052	90.93
480	334	0.56	20267	34.09	**527**	431	0.73	39019	65.64	**574**	184	0.31	54236	91.24
481	348	0.59	20615	34.68	**528**	437	0.74	39456	66.37	**575**	207	0.35	54443	91.58
482	338	0.57	20953	35.25	**529**	421	0.71	39877	67.08	**576**	206	0.35	54649	91.93
483	339	0.57	21292	35.82	**530**	447	0.75	40324	67.83	**577**	200	0.34	54849	92.27
484	326	0.55	21618	36.37	**531**	412	0.69	40736	68.53	**578**	179	0.30	55028	92.57
485	369	0.62	21987	36.99	**532**	384	0.65	41120	69.17	**579**	175	0.29	55203	92.86
486	350	0.59	22337	37.58	**533**	400	0.67	41520	69.84	**580**	188	0.32	55391	93.18
487	359	0.60	22696	38.18	**534**	387	0.65	41907	70.50	**581**	172	0.29	55563	93.47

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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	168	0.28	55731	93.75	**629**	17	0.03	59148	99.50	**681**	1	0.00	59437	99.98
583	179	0.30	55910	94.05	**630**	22	0.04	59170	99.54	**682**	1	0.00	59438	99.99
584	155	0.26	56065	94.31	**631**	16	0.03	59186	99.56	**685**	1	0.00	59439	99.99
585	149	0.25	56214	94.56	**632**	16	0.03	59202	99.59	**694**	1	0.00	59440	99.99
586	166	0.28	56380	94.84	**633**	21	0.04	59223	99.62	**697**	3	0.01	59443	99.99
587	153	0.26	56533	95.10	**634**	13	0.02	59236	99.65	**701**	1	0.00	59444	100.00
588	121	0.20	56654	95.30	**635**	16	0.03	59252	99.67	**709**	1	0.00	59445	100.00
589	145	0.24	56799	95.55	**636**	8	0.01	59260	99.69	**749**	1	0.00	59446	100.00
590	115	0.19	56914	95.74	**637**	8	0.01	59268	99.70					
591	131	0.22	57045	95.96	**638**	10	0.02	59278	99.72					
592	115	0.19	57160	96.15	**639**	14	0.02	59292	99.74					
593	124	0.21	57284	96.36	**640**	12	0.02	59304	99.76					
594	86	0.14	57370	96.51	**641**	8	0.01	59312	99.77					
595	99	0.17	57469	96.67	**642**	8	0.01	59320	99.79					
596	86	0.14	57555	96.82	**643**	11	0.02	59331	99.81					
597	92	0.15	57647	96.97	**644**	3	0.01	59334	99.81					
598	86	0.14	57733	97.12	**645**	12	0.02	59346	99.83					
599	87	0.15	57820	97.26	**646**	4	0.01	59350	99.84					
600	58	0.10	57878	97.36	**647**	7	0.01	59357	99.85					
601	80	0.13	57958	97.50	**648**	6	0.01	59363	99.86					
602	89	0.15	58047	97.65	**649**	7	0.01	59370	99.87					
603	76	0.13	58123	97.77	**650**	6	0.01	59376	99.88					
604	80	0.13	58203	97.91	**651**	2	0.00	59378	99.89					
605	60	0.10	58263	98.01	**652**	6	0.01	59384	99.90					
606	44	0.07	58307	98.08	**653**	2	0.00	59386	99.90					
607	58	0.10	58365	98.18	**654**	3	0.01	59389	99.90					
608	56	0.09	58421	98.28	**655**	2	0.00	59391	99.91					
609	43	0.07	58464	98.35	**656**	3	0.01	59394	99.91					
610	58	0.10	58522	98.45	**657**	3	0.01	59397	99.92					
611	48	0.08	58570	98.53	**658**	4	0.01	59401	99.92					
612	44	0.07	58614	98.60	**659**	5	0.01	59406	99.93					
613	34	0.06	58648	98.66	**660**	3	0.01	59409	99.94					
614	49	0.08	58697	98.74	**661**	5	0.01	59414	99.95					
615	36	0.06	58733	98.80	**662**	2	0.00	59416	99.95					
616	45	0.08	58778	98.88	**663**	1	0.00	59417	99.95					
617	36	0.06	58814	98.94	**664**	2	0.00	59419	99.95					
618	38	0.06	58852	99.00	**665**	3	0.01	59422	99.96					
619	43	0.07	58895	99.07	**666**	3	0.01	59425	99.96					
620	35	0.06	58930	99.13	**667**	1	0.00	59426	99.97					
621	30	0.05	58960	99.18	**668**	2	0.00	59428	99.97					
622	40	0.07	59000	99.25	**669**	1	0.00	59429	99.97					
623	23	0.04	59023	99.29	**670**	2	0.00	59431	99.97					
624	17	0.03	59040	99.32	**672**	1	0.00	59432	99.98					
625	26	0.04	59066	99.36	**673**	1	0.00	59433	99.98					
626	25	0.04	59091	99.40	**674**	1	0.00	59434	99.98					
627	21	0.04	59112	99.44	**677**	1	0.00	59435	99.98					
628	19	0.03	59131	99.47	**678**	1	0.00	59436	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	99	0.17	99	0.17	**444**	2	0.00	157	0.27	**500**	11	0.02	320	0.54
352	1	0.00	100	0.17	**445**	1	0.00	158	0.27	**501**	7	0.01	327	0.55
354	1	0.00	101	0.17	**446**	1	0.00	159	0.27	**502**	15	0.03	342	0.58
356	2	0.00	103	0.17	**447**	1	0.00	160	0.27	**503**	2	0.00	344	0.58
357	1	0.00	104	0.18	**449**	2	0.00	162	0.27	**504**	9	0.02	353	0.60
358	2	0.00	106	0.18	**453**	1	0.00	163	0.28	**505**	5	0.01	358	0.61
361	1	0.00	107	0.18	**454**	2	0.00	165	0.28	**506**	10	0.02	368	0.62
368	1	0.00	108	0.18	**455**	1	0.00	166	0.28	**507**	7	0.01	375	0.63
369	1	0.00	109	0.18	**456**	5	0.01	171	0.29	**508**	11	0.02	386	0.65
372	1	0.00	110	0.19	**457**	1	0.00	172	0.29	**509**	11	0.02	397	0.67
373	1	0.00	111	0.19	**460**	3	0.01	175	0.30	**510**	10	0.02	407	0.69
376	1	0.00	112	0.19	**461**	3	0.01	178	0.30	**511**	10	0.02	417	0.71
380	2	0.00	114	0.19	**462**	1	0.00	179	0.30	**512**	4	0.01	421	0.71
381	1	0.00	115	0.19	**463**	2	0.00	181	0.31	**513**	8	0.01	429	0.73
382	1	0.00	116	0.20	**464**	1	0.00	182	0.31	**514**	19	0.03	448	0.76
383	2	0.00	118	0.20	**465**	2	0.00	184	0.31	**515**	14	0.02	462	0.78
385	1	0.00	119	0.20	**468**	2	0.00	186	0.31	**516**	14	0.02	476	0.80
387	1	0.00	120	0.20	**469**	4	0.01	190	0.32	**517**	14	0.02	490	0.83
389	1	0.00	121	0.20	**470**	3	0.01	193	0.33	**518**	17	0.03	507	0.86
397	2	0.00	123	0.21	**471**	2	0.00	195	0.33	**519**	4	0.01	511	0.86
402	1	0.00	124	0.21	**472**	5	0.01	200	0.34	**520**	13	0.02	524	0.89
403	1	0.00	125	0.21	**473**	3	0.01	203	0.34	**521**	16	0.03	540	0.91
406	2	0.00	127	0.21	**475**	2	0.00	205	0.35	**522**	18	0.03	558	0.94
410	1	0.00	128	0.22	**476**	3	0.01	208	0.35	**523**	12	0.02	570	0.96
411	1	0.00	129	0.22	**477**	1	0.00	209	0.35	**524**	16	0.03	586	0.99
413	1	0.00	130	0.22	**478**	4	0.01	213	0.36	**525**	21	0.04	607	1.03
414	1	0.00	131	0.22	**479**	4	0.01	217	0.37	**526**	21	0.04	628	1.06
415	1	0.00	132	0.22	**480**	3	0.01	220	0.37	**527**	17	0.03	645	1.09
416	1	0.00	133	0.22	**481**	6	0.01	226	0.38	**528**	22	0.04	667	1.13
418	1	0.00	134	0.23	**482**	4	0.01	230	0.39	**529**	19	0.03	686	1.16
420	2	0.00	136	0.23	**483**	4	0.01	234	0.40	**530**	28	0.05	714	1.21
421	1	0.00	137	0.23	**484**	4	0.01	238	0.40	**531**	24	0.04	738	1.25
422	1	0.00	138	0.23	**485**	6	0.01	244	0.41	**532**	18	0.03	756	1.28
423	1	0.00	139	0.24	**486**	4	0.01	248	0.42	**533**	24	0.04	780	1.32
424	1	0.00	140	0.24	**487**	3	0.01	251	0.42	**534**	26	0.04	806	1.36
425	1	0.00	141	0.24	**488**	4	0.01	255	0.43	**535**	24	0.04	830	1.40
427	1	0.00	142	0.24	**489**	1	0.00	256	0.43	**536**	26	0.04	856	1.45
428	2	0.00	144	0.24	**490**	3	0.01	259	0.44	**537**	22	0.04	878	1.48
429	1	0.00	145	0.25	**491**	5	0.01	264	0.45	**538**	32	0.05	910	1.54
432	1	0.00	146	0.25	**492**	5	0.01	269	0.45	**539**	27	0.05	937	1.58
433	1	0.00	147	0.25	**493**	5	0.01	274	0.46	**540**	30	0.05	967	1.64
435	1	0.00	148	0.25	**494**	5	0.01	279	0.47	**541**	35	0.06	1002	1.69
439	2	0.00	150	0.25	**495**	4	0.01	283	0.48	**542**	38	0.06	1040	1.76
440	2	0.00	152	0.26	**496**	4	0.01	287	0.49	**543**	39	0.07	1079	1.82
441	1	0.00	153	0.26	**497**	6	0.01	293	0.50	**544**	38	0.06	1117	1.89
442	1	0.00	154	0.26	**498**	7	0.01	300	0.51	**545**	37	0.06	1154	1.95
443	1	0.00	155	0.26	**499**	9	0.02	309	0.52	**546**	41	0.07	1195	2.02

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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 %
547	42	0.07	1237	2.09	**594**	162	0.27	5264	8.90	**641**	448	0.76	18674	31.58
548	48	0.08	1285	2.17	**595**	158	0.27	5422	9.17	**642**	472	0.80	19146	32.38
549	53	0.09	1338	2.26	**596**	165	0.28	5587	9.45	**643**	470	0.79	19616	33.17
550	53	0.09	1391	2.35	**597**	159	0.27	5746	9.72	**644**	442	0.75	20058	33.92
551	53	0.09	1444	2.44	**598**	165	0.28	5911	10.00	**645**	494	0.84	20552	34.75
552	40	0.07	1484	2.51	**599**	166	0.28	6077	10.28	**646**	487	0.82	21039	35.58
553	53	0.09	1537	2.60	**600**	184	0.31	6261	10.59	**647**	462	0.78	21501	36.36
554	47	0.08	1584	2.68	**601**	178	0.30	6439	10.89	**648**	474	0.80	21975	37.16
555	46	0.08	1630	2.76	**602**	166	0.28	6605	11.17	**649**	469	0.79	22444	37.95
556	54	0.09	1684	2.85	**603**	192	0.32	6797	11.49	**650**	464	0.78	22908	38.74
557	57	0.10	1741	2.94	**604**	188	0.32	6985	11.81	**651**	486	0.82	23394	39.56
558	51	0.09	1792	3.03	**605**	200	0.34	7185	12.15	**652**	479	0.81	23873	40.37
559	62	0.10	1854	3.14	**606**	189	0.32	7374	12.47	**653**	512	0.87	24385	41.24
560	49	0.08	1903	3.22	**607**	218	0.37	7592	12.84	**654**	497	0.84	24882	42.08
561	58	0.10	1961	3.32	**608**	202	0.34	7794	13.18	**655**	475	0.80	25357	42.88
562	71	0.12	2032	3.44	**609**	211	0.36	8005	13.54	**656**	508	0.86	25865	43.74
563	77	0.13	2109	3.57	**610**	233	0.39	8238	13.93	**657**	515	0.87	26380	44.61
564	70	0.12	2179	3.68	**611**	254	0.43	8492	14.36	**658**	535	0.90	26915	45.51
565	58	0.10	2237	3.78	**612**	246	0.42	8738	14.78	**659**	496	0.84	27411	46.35
566	75	0.13	2312	3.91	**613**	233	0.39	8971	15.17	**660**	522	0.88	27933	47.24
567	84	0.14	2396	4.05	**614**	258	0.44	9229	15.61	**661**	483	0.82	28416	48.05
568	88	0.15	2484	4.20	**615**	274	0.46	9503	16.07	**662**	522	0.88	28938	48.93
569	61	0.10	2545	4.30	**616**	237	0.40	9740	16.47	**663**	512	0.87	29450	49.80
570	79	0.13	2624	4.44	**617**	261	0.44	10001	16.91	**664**	542	0.92	29992	50.72
571	90	0.15	2714	4.59	**618**	281	0.48	10282	17.39	**665**	520	0.88	30512	51.60
572	84	0.14	2798	4.73	**619**	298	0.50	10580	17.89	**666**	479	0.81	30991	52.41
573	82	0.14	2880	4.87	**620**	274	0.46	10854	18.35	**667**	531	0.90	31522	53.30
574	86	0.15	2966	5.02	**621**	312	0.53	11166	18.88	**668**	518	0.88	32040	54.18
575	105	0.18	3071	5.19	**622**	289	0.49	11455	19.37	**669**	518	0.88	32558	55.06
576	90	0.15	3161	5.35	**623**	299	0.51	11754	19.88	**670**	533	0.90	33091	55.96
577	84	0.14	3245	5.49	**624**	306	0.52	12060	20.39	**671**	568	0.96	33659	56.92
578	95	0.16	3340	5.65	**625**	303	0.51	12363	20.91	**672**	511	0.86	34170	57.78
579	100	0.17	3440	5.82	**626**	351	0.59	12714	21.50	**673**	523	0.88	34693	58.67
580	97	0.16	3537	5.98	**627**	321	0.54	13035	22.04	**674**	558	0.94	35251	59.61
581	112	0.19	3649	6.17	**628**	359	0.61	13394	22.65	**675**	499	0.84	35750	60.45
582	87	0.15	3736	6.32	**629**	366	0.62	13760	23.27	**676**	535	0.90	36285	61.36
583	120	0.20	3856	6.52	**630**	378	0.64	14138	23.91	**677**	492	0.83	36777	62.19
584	109	0.18	3965	6.70	**631**	385	0.65	14523	24.56	**678**	507	0.86	37284	63.05
585	95	0.16	4060	6.87	**632**	434	0.73	14957	25.29	**679**	480	0.81	37764	63.86
586	107	0.18	4167	7.05	**633**	380	0.64	15337	25.94	**680**	465	0.79	38229	64.65
587	111	0.19	4278	7.23	**634**	404	0.68	15741	26.62	**681**	520	0.88	38749	65.53
588	130	0.22	4408	7.45	**635**	402	0.68	16143	27.30	**682**	469	0.79	39218	66.32
589	145	0.25	4553	7.70	**636**	395	0.67	16538	27.97	**683**	494	0.84	39712	67.15
590	125	0.21	4678	7.91	**637**	394	0.67	16932	28.63	**684**	496	0.84	40208	67.99
591	143	0.24	4821	8.15	**638**	396	0.67	17328	29.30	**685**	479	0.81	40687	68.80
592	153	0.26	4974	8.41	**639**	433	0.73	17761	30.03	**686**	469	0.79	41156	69.60
593	128	0.22	5102	8.63	**640**	465	0.79	18226	30.82	**687**	435	0.74	41591	70.33

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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 %
688	493	0.83	42084	71.16	**735**	133	0.22	56377	95.33	**782**	10	0.02	58977	99.73
689	473	0.80	42557	71.96	**736**	139	0.24	56516	95.57	**783**	14	0.02	58991	99.75
690	462	0.78	43019	72.75	**737**	127	0.21	56643	95.78	**784**	7	0.01	58998	99.77
691	442	0.75	43461	73.49	**738**	123	0.21	56766	95.99	**785**	4	0.01	59002	99.77
692	422	0.71	43883	74.21	**739**	124	0.21	56890	96.20	**786**	6	0.01	59008	99.78
693	416	0.70	44299	74.91	**740**	99	0.17	56989	96.37	**787**	6	0.01	59014	99.79
694	440	0.74	44739	75.65	**741**	116	0.20	57105	96.57	**788**	8	0.01	59022	99.81
695	424	0.72	45163	76.37	**742**	117	0.20	57222	96.76	**789**	10	0.02	59032	99.82
696	415	0.70	45578	77.07	**743**	97	0.16	57319	96.93	**790**	12	0.02	59044	99.84
697	395	0.67	45973	77.74	**744**	91	0.15	57410	97.08	**791**	12	0.02	59056	99.86
698	430	0.73	46403	78.47	**745**	91	0.15	57501	97.24	**792**	9	0.02	59065	99.88
699	426	0.72	46829	79.19	**746**	98	0.17	57599	97.40	**793**	3	0.01	59068	99.89
700	424	0.72	47253	79.91	**747**	91	0.15	57690	97.55	**794**	6	0.01	59074	99.90
701	397	0.67	47650	80.58	**748**	87	0.15	57777	97.70	**795**	1	0.00	59075	99.90
702	384	0.65	48034	81.23	**749**	73	0.12	57850	97.83	**796**	3	0.01	59078	99.90
703	360	0.61	48394	81.84	**750**	75	0.13	57925	97.95	**797**	5	0.01	59083	99.91
704	318	0.54	48712	82.37	**751**	71	0.12	57996	98.07	**798**	1	0.00	59084	99.91
705	359	0.61	49071	82.98	**752**	79	0.13	58075	98.21	**799**	4	0.01	59088	99.92
706	381	0.64	49452	83.62	**753**	60	0.10	58135	98.31	**800**	1	0.00	59089	99.92
707	376	0.64	49828	84.26	**754**	52	0.09	58187	98.40	**801**	4	0.01	59093	99.93
708	360	0.61	50188	84.87	**755**	49	0.08	58236	98.48	**802**	4	0.01	59097	99.93
709	316	0.53	50504	85.40	**756**	57	0.10	58293	98.57	**803**	3	0.01	59100	99.94
710	312	0.53	50816	85.93	**757**	59	0.10	58352	98.67	**804**	1	0.00	59101	99.94
711	324	0.55	51140	86.48	**758**	38	0.06	58390	98.74	**805**	2	0.00	59103	99.94
712	297	0.50	51437	86.98	**759**	35	0.06	58425	98.80	**807**	4	0.01	59107	99.95
713	284	0.48	51721	87.46	**760**	40	0.07	58465	98.87	**808**	2	0.00	59109	99.95
714	271	0.46	51992	87.92	**761**	49	0.08	58514	98.95	**809**	2	0.00	59111	99.96
715	282	0.48	52274	88.40	**762**	29	0.05	58543	99.00	**810**	3	0.01	59114	99.96
716	244	0.41	52518	88.81	**763**	31	0.05	58574	99.05	**813**	2	0.00	59116	99.97
717	264	0.45	52782	89.26	**764**	44	0.07	58618	99.12	**814**	1	0.00	59117	99.97
718	253	0.43	53035	89.68	**765**	30	0.05	58648	99.17	**815**	1	0.00	59118	99.97
719	249	0.42	53284	90.10	**766**	31	0.05	58679	99.23	**817**	2	0.00	59120	99.97
720	252	0.43	53536	90.53	**767**	35	0.06	58714	99.29	**820**	1	0.00	59121	99.97
721	236	0.40	53772	90.93	**768**	27	0.05	58741	99.33	**821**	1	0.00	59122	99.98
722	251	0.42	54023	91.35	**769**	29	0.05	58770	99.38	**822**	1	0.00	59123	99.98
723	213	0.36	54236	91.71	**770**	15	0.03	58785	99.41	**823**	2	0.00	59125	99.98
724	196	0.33	54432	92.05	**771**	24	0.04	58809	99.45	**826**	1	0.00	59126	99.98
725	240	0.41	54672	92.45	**772**	21	0.04	58830	99.48	**828**	1	0.00	59127	99.98
726	196	0.33	54868	92.78	**773**	19	0.03	58849	99.51	**830**	2	0.00	59129	99.99
727	197	0.33	55065	93.12	**774**	25	0.04	58874	99.56	**831**	1	0.00	59130	99.99
728	208	0.35	55273	93.47	**775**	21	0.04	58895	99.59	**838**	1	0.00	59131	99.99
729	187	0.32	55460	93.78	**776**	6	0.01	58901	99.60	**842**	1	0.00	59132	99.99
730	181	0.31	55641	94.09	**777**	16	0.03	58917	99.63	**844**	1	0.00	59133	99.99
731	145	0.25	55786	94.34	**778**	16	0.03	58933	99.66	**845**	1	0.00	59134	100.00
732	175	0.30	55961	94.63	**779**	14	0.02	58947	99.68	**850**	1	0.00	59135	100.00
733	144	0.24	56105	94.87	**780**	9	0.02	58956	99.70	**859**	1	0.00	59136	100.00
734	139	0.24	56244	95.11	**781**	11	0.02	58967	99.71					

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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	73	0.12	73	0.12	**318**	1	0.00	157	0.27	**366**	10	0.02	414	0.70
262	1	0.00	74	0.13	**319**	2	0.00	159	0.27	**367**	13	0.02	427	0.72
263	1	0.00	75	0.13	**320**	3	0.01	162	0.27	**368**	14	0.02	441	0.75
265	2	0.00	77	0.13	**321**	2	0.00	164	0.28	**369**	16	0.03	457	0.77
267	1	0.00	78	0.13	**322**	1	0.00	165	0.28	**370**	11	0.02	468	0.79
269	1	0.00	79	0.13	**323**	4	0.01	169	0.29	**371**	10	0.02	478	0.81
270	3	0.01	82	0.14	**324**	2	0.00	171	0.29	**372**	20	0.03	498	0.84
271	1	0.00	83	0.14	**325**	4	0.01	175	0.30	**373**	19	0.03	517	0.88
272	1	0.00	84	0.14	**327**	4	0.01	179	0.30	**374**	25	0.04	542	0.92
273	2	0.00	86	0.15	**328**	1	0.00	180	0.30	**375**	14	0.02	556	0.94
274	1	0.00	87	0.15	**329**	2	0.00	182	0.31	**376**	18	0.03	574	0.97
276	1	0.00	88	0.15	**330**	1	0.00	183	0.31	**377**	13	0.02	587	0.99
277	2	0.00	90	0.15	**331**	2	0.00	185	0.31	**378**	17	0.03	604	1.02
278	3	0.01	93	0.16	**332**	3	0.01	188	0.32	**379**	20	0.03	624	1.06
279	2	0.00	95	0.16	**333**	5	0.01	193	0.33	**380**	8	0.01	632	1.07
280	1	0.00	96	0.16	**334**	1	0.00	194	0.33	**381**	18	0.03	650	1.10
281	1	0.00	97	0.16	**335**	2	0.00	196	0.33	**382**	16	0.03	666	1.13
282	3	0.01	100	0.17	**336**	2	0.00	198	0.34	**383**	22	0.04	688	1.17
283	1	0.00	101	0.17	**337**	3	0.01	201	0.34	**384**	16	0.03	704	1.19
284	1	0.00	102	0.17	**338**	2	0.00	203	0.34	**385**	24	0.04	728	1.23
285	2	0.00	104	0.18	**339**	2	0.00	205	0.35	**386**	16	0.03	744	1.26
286	2	0.00	106	0.18	**340**	3	0.01	208	0.35	**387**	15	0.03	759	1.29
287	3	0.01	109	0.18	**341**	4	0.01	212	0.36	**388**	25	0.04	784	1.33
288	1	0.00	110	0.19	**342**	1	0.00	213	0.36	**389**	25	0.04	809	1.37
290	1	0.00	111	0.19	**343**	8	0.01	221	0.37	**390**	24	0.04	833	1.41
292	3	0.01	114	0.19	**344**	7	0.01	228	0.39	**391**	28	0.05	861	1.46
293	2	0.00	116	0.20	**345**	8	0.01	236	0.40	**392**	32	0.05	893	1.51
294	1	0.00	117	0.20	**346**	8	0.01	244	0.41	**393**	26	0.04	919	1.56
295	1	0.00	118	0.20	**347**	5	0.01	249	0.42	**394**	17	0.03	936	1.59
298	3	0.01	121	0.20	**348**	4	0.01	253	0.43	**395**	28	0.05	964	1.63
299	3	0.01	124	0.21	**349**	10	0.02	263	0.45	**396**	31	0.05	995	1.69
300	1	0.00	125	0.21	**350**	5	0.01	268	0.45	**397**	32	0.05	1027	1.74
301	2	0.00	127	0.22	**351**	14	0.02	282	0.48	**398**	25	0.04	1052	1.78
302	3	0.01	130	0.22	**352**	8	0.01	290	0.49	**399**	42	0.07	1094	1.85
303	2	0.00	132	0.22	**353**	6	0.01	296	0.50	**400**	24	0.04	1118	1.89
304	2	0.00	134	0.23	**354**	8	0.01	304	0.51	**401**	33	0.06	1151	1.95
305	1	0.00	135	0.23	**355**	8	0.01	312	0.53	**402**	33	0.06	1184	2.01
306	4	0.01	139	0.24	**356**	8	0.01	320	0.54	**403**	40	0.07	1224	2.07
307	1	0.00	140	0.24	**357**	9	0.02	329	0.56	**404**	32	0.05	1256	2.13
308	1	0.00	141	0.24	**358**	8	0.01	337	0.57	**405**	30	0.05	1286	2.18
309	2	0.00	143	0.24	**359**	9	0.02	346	0.59	**406**	33	0.06	1319	2.23
310	2	0.00	145	0.25	**360**	10	0.02	356	0.60	**407**	33	0.06	1352	2.29
312	2	0.00	147	0.25	**361**	7	0.01	363	0.61	**408**	23	0.04	1375	2.33
313	2	0.00	149	0.25	**362**	7	0.01	370	0.63	**409**	35	0.06	1410	2.39
314	4	0.01	153	0.26	**363**	18	0.03	388	0.66	**410**	33	0.06	1443	2.44
316	2	0.00	155	0.26	**364**	7	0.01	395	0.67	**411**	35	0.06	1478	2.50
317	1	0.00	156	0.26	**365**	9	0.02	404	0.68	**412**	37	0.06	1515	2.57

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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	22	0.04	1537	2.60	**460**	94	0.16	4392	7.44	**507**	222	0.38	12250	20.75
414	37	0.06	1574	2.67	**461**	117	0.20	4509	7.64	**508**	238	0.40	12488	21.15
415	37	0.06	1611	2.73	**462**	119	0.20	4628	7.84	**509**	224	0.38	12712	21.53
416	29	0.05	1640	2.78	**463**	101	0.17	4729	8.01	**510**	251	0.43	12963	21.96
417	36	0.06	1676	2.84	**464**	125	0.21	4854	8.22	**511**	260	0.44	13223	22.40
418	23	0.04	1699	2.88	**465**	114	0.19	4968	8.41	**512**	241	0.41	13464	22.80
419	35	0.06	1734	2.94	**466**	115	0.19	5083	8.61	**513**	235	0.40	13699	23.20
420	37	0.06	1771	3.00	**467**	127	0.22	5210	8.82	**514**	248	0.42	13947	23.62
421	42	0.07	1813	3.07	**468**	119	0.20	5329	9.03	**515**	267	0.45	14214	24.07
422	39	0.07	1852	3.14	**469**	138	0.23	5467	9.26	**516**	269	0.46	14483	24.53
423	33	0.06	1885	3.19	**470**	126	0.21	5593	9.47	**517**	246	0.42	14729	24.95
424	37	0.06	1922	3.26	**471**	122	0.21	5715	9.68	**518**	250	0.42	14979	25.37
425	45	0.08	1967	3.33	**472**	125	0.21	5840	9.89	**519**	260	0.44	15239	25.81
426	39	0.07	2006	3.40	**473**	127	0.22	5967	10.11	**520**	272	0.46	15511	26.27
427	41	0.07	2047	3.47	**474**	149	0.25	6116	10.36	**521**	314	0.53	15825	26.80
428	67	0.11	2114	3.58	**475**	127	0.22	6243	10.57	**522**	270	0.46	16095	27.26
429	40	0.07	2154	3.65	**476**	133	0.23	6376	10.80	**523**	279	0.47	16374	27.73
430	53	0.09	2207	3.74	**477**	140	0.24	6516	11.04	**524**	297	0.50	16671	28.24
431	50	0.08	2257	3.82	**478**	141	0.24	6657	11.27	**525**	262	0.44	16933	28.68
432	57	0.10	2314	3.92	**479**	136	0.23	6793	11.51	**526**	280	0.47	17213	29.15
433	46	0.08	2360	4.00	**480**	173	0.29	6966	11.80	**527**	297	0.50	17510	29.66
434	44	0.07	2404	4.07	**481**	130	0.22	7096	12.02	**528**	296	0.50	17806	30.16
435	61	0.10	2465	4.17	**482**	159	0.27	7255	12.29	**529**	264	0.45	18070	30.60
436	46	0.08	2511	4.25	**483**	163	0.28	7418	12.56	**530**	299	0.51	18369	31.11
437	71	0.12	2582	4.37	**484**	174	0.29	7592	12.86	**531**	264	0.45	18633	31.56
438	48	0.08	2630	4.45	**485**	166	0.28	7758	13.14	**532**	272	0.46	18905	32.02
439	65	0.11	2695	4.56	**486**	180	0.30	7938	13.44	**533**	310	0.53	19215	32.54
440	56	0.09	2751	4.66	**487**	176	0.30	8114	13.74	**534**	284	0.48	19499	33.03
441	57	0.10	2808	4.76	**488**	171	0.29	8285	14.03	**535**	289	0.49	19788	33.51
442	68	0.12	2876	4.87	**489**	152	0.26	8437	14.29	**536**	295	0.50	20083	34.01
443	56	0.09	2932	4.97	**490**	197	0.33	8634	14.62	**537**	283	0.48	20366	34.49
444	76	0.13	3008	5.09	**491**	169	0.29	8803	14.91	**538**	318	0.54	20684	35.03
445	73	0.12	3081	5.22	**492**	190	0.32	8993	15.23	**539**	318	0.54	21002	35.57
446	70	0.12	3151	5.34	**493**	190	0.32	9183	15.55	**540**	298	0.50	21300	36.08
447	76	0.13	3227	5.47	**494**	206	0.35	9389	15.90	**541**	278	0.47	21578	36.55
448	78	0.13	3305	5.60	**495**	193	0.33	9582	16.23	**542**	287	0.49	21865	37.03
449	85	0.14	3390	5.74	**496**	203	0.34	9785	16.57	**543**	324	0.55	22189	37.58
450	81	0.14	3471	5.88	**497**	203	0.34	9988	16.92	**544**	332	0.56	22521	38.14
451	86	0.15	3557	6.02	**498**	195	0.33	10183	17.25	**545**	312	0.53	22833	38.67
452	77	0.13	3634	6.15	**499**	227	0.38	10410	17.63	**546**	332	0.56	23165	39.23
453	79	0.13	3713	6.29	**500**	221	0.37	10631	18.01	**547**	302	0.51	23467	39.75
454	95	0.16	3808	6.45	**501**	213	0.36	10844	18.37	**548**	292	0.49	23759	40.24
455	85	0.14	3893	6.59	**502**	229	0.39	11073	18.75	**549**	343	0.58	24102	40.82
456	91	0.15	3984	6.75	**503**	242	0.41	11315	19.16	**550**	307	0.52	24409	41.34
457	112	0.19	4096	6.94	**504**	231	0.39	11546	19.56	**551**	305	0.52	24714	41.86
458	97	0.16	4193	7.10	**505**	247	0.42	11793	19.97	**552**	301	0.51	25015	42.37
459	105	0.18	4298	7.28	**506**	235	0.40	12028	20.37	**553**	332	0.56	25347	42.93

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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	345	0.58	25692	43.51	**601**	342	0.58	41062	69.55	**648**	154	0.26	51962	88.01
555	316	0.54	26008	44.05	**602**	288	0.49	41350	70.03	**649**	167	0.28	52129	88.29
556	303	0.51	26311	44.56	**603**	291	0.49	41641	70.53	**650**	150	0.25	52279	88.54
557	323	0.55	26634	45.11	**604**	288	0.49	41929	71.01	**651**	178	0.30	52457	88.85
558	340	0.58	26974	45.69	**605**	272	0.46	42201	71.48	**652**	148	0.25	52605	89.10
559	348	0.59	27322	46.27	**606**	259	0.44	42460	71.91	**653**	130	0.22	52735	89.32
560	344	0.58	27666	46.86	**607**	272	0.46	42732	72.37	**654**	156	0.26	52891	89.58
561	366	0.62	28032	47.48	**608**	302	0.51	43034	72.89	**655**	147	0.25	53038	89.83
562	356	0.60	28388	48.08	**609**	279	0.47	43313	73.36	**656**	116	0.20	53154	90.03
563	348	0.59	28736	48.67	**610**	284	0.48	43597	73.84	**657**	132	0.22	53286	90.25
564	321	0.54	29057	49.21	**611**	274	0.46	43871	74.30	**658**	144	0.24	53430	90.49
565	318	0.54	29375	49.75	**612**	273	0.46	44144	74.77	**659**	145	0.25	53575	90.74
566	342	0.58	29717	50.33	**613**	241	0.41	44385	75.17	**660**	150	0.25	53725	90.99
567	315	0.53	30032	50.86	**614**	237	0.40	44622	75.58	**661**	118	0.20	53843	91.19
568	305	0.52	30337	51.38	**615**	269	0.46	44891	76.03	**662**	118	0.20	53961	91.39
569	333	0.56	30670	51.95	**616**	279	0.47	45170	76.50	**663**	128	0.22	54089	91.61
570	363	0.61	31033	52.56	**617**	249	0.42	45419	76.93	**664**	114	0.19	54203	91.80
571	316	0.54	31349	53.10	**618**	263	0.45	45682	77.37	**665**	112	0.19	54315	91.99
572	348	0.59	31697	53.68	**619**	239	0.40	45921	77.78	**666**	121	0.20	54436	92.20
573	342	0.58	32039	54.26	**620**	267	0.45	46188	78.23	**667**	115	0.19	54551	92.39
574	332	0.56	32371	54.83	**621**	251	0.43	46439	78.65	**668**	102	0.17	54653	92.56
575	318	0.54	32689	55.36	**622**	257	0.44	46696	79.09	**669**	109	0.18	54762	92.75
576	332	0.56	33021	55.93	**623**	255	0.43	46951	79.52	**670**	108	0.18	54870	92.93
577	339	0.57	33360	56.50	**624**	245	0.41	47196	79.93	**671**	102	0.17	54972	93.11
578	309	0.52	33669	57.02	**625**	247	0.42	47443	80.35	**672**	110	0.19	55082	93.29
579	311	0.53	33980	57.55	**626**	217	0.37	47660	80.72	**673**	108	0.18	55190	93.47
580	295	0.50	34275	58.05	**627**	231	0.39	47891	81.11	**674**	114	0.19	55304	93.67
581	315	0.53	34590	58.58	**628**	224	0.38	48115	81.49	**675**	96	0.16	55400	93.83
582	323	0.55	34913	59.13	**629**	220	0.37	48335	81.86	**676**	89	0.15	55489	93.98
583	317	0.54	35230	59.67	**630**	234	0.40	48569	82.26	**677**	87	0.15	55576	94.13
584	367	0.62	35597	60.29	**631**	227	0.38	48796	82.64	**678**	90	0.15	55666	94.28
585	347	0.59	35944	60.88	**632**	203	0.34	48999	82.99	**679**	82	0.14	55748	94.42
586	335	0.57	36279	61.45	**633**	199	0.34	49198	83.33	**680**	82	0.14	55830	94.56
587	335	0.57	36614	62.01	**634**	194	0.33	49392	83.65	**681**	78	0.13	55908	94.69
588	317	0.54	36931	62.55	**635**	180	0.30	49572	83.96	**682**	93	0.16	56001	94.85
589	319	0.54	37250	63.09	**636**	190	0.32	49762	84.28	**683**	71	0.12	56072	94.97
590	293	0.50	37543	63.59	**637**	200	0.34	49962	84.62	**684**	77	0.13	56149	95.10
591	306	0.52	37849	64.10	**638**	213	0.36	50175	84.98	**685**	51	0.09	56200	95.18
592	316	0.54	38165	64.64	**639**	193	0.33	50368	85.31	**686**	66	0.11	56266	95.30
593	320	0.54	38485	65.18	**640**	175	0.30	50543	85.60	**687**	81	0.14	56347	95.43
594	325	0.55	38810	65.73	**641**	210	0.36	50753	85.96	**688**	71	0.12	56418	95.55
595	306	0.52	39116	66.25	**642**	184	0.31	50937	86.27	**689**	61	0.10	56479	95.66
596	314	0.53	39430	66.78	**643**	186	0.32	51123	86.59	**690**	53	0.09	56532	95.75
597	332	0.56	39762	67.34	**644**	177	0.30	51300	86.89	**691**	57	0.10	56589	95.84
598	327	0.55	40089	67.90	**645**	170	0.29	51470	87.17	**692**	69	0.12	56658	95.96
599	327	0.55	40416	68.45	**646**	164	0.28	51634	87.45	**693**	48	0.08	56706	96.04
600	304	0.51	40720	68.97	**647**	174	0.29	51808	87.75	**694**	60	0.10	56766	96.14

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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	44	0.07	56810	96.22	**742**	12	0.02	58282	98.71	**790**	4	0.01	58796	99.58
696	41	0.07	56851	96.29	**743**	20	0.03	58302	98.74	**791**	6	0.01	58802	99.59
697	53	0.09	56904	96.38	**744**	25	0.04	58327	98.79	**792**	2	0.00	58804	99.60
698	42	0.07	56946	96.45	**745**	8	0.01	58335	98.80	**793**	7	0.01	58811	99.61
699	38	0.06	56984	96.51	**746**	19	0.03	58354	98.83	**794**	5	0.01	58816	99.62
700	81	0.14	57065	96.65	**747**	17	0.03	58371	98.86	**795**	5	0.01	58821	99.62
701	40	0.07	57105	96.72	**748**	7	0.01	58378	98.87	**796**	4	0.01	58825	99.63
702	42	0.07	57147	96.79	**749**	9	0.02	58387	98.89	**797**	8	0.01	58833	99.64
703	38	0.06	57185	96.85	**750**	16	0.03	58403	98.92	**798**	2	0.00	58835	99.65
704	41	0.07	57226	96.92	**751**	19	0.03	58422	98.95	**799**	1	0.00	58836	99.65
705	38	0.06	57264	96.99	**752**	14	0.02	58436	98.97	**800**	4	0.01	58840	99.66
706	34	0.06	57298	97.04	**753**	19	0.03	58455	99.00	**802**	5	0.01	58845	99.66
707	36	0.06	57334	97.11	**754**	15	0.03	58470	99.03	**803**	3	0.01	58848	99.67
708	43	0.07	57377	97.18	**755**	13	0.02	58483	99.05	**804**	7	0.01	58855	99.68
709	35	0.06	57412	97.24	**756**	13	0.02	58496	99.07	**805**	4	0.01	58859	99.69
710	37	0.06	57449	97.30	**757**	6	0.01	58502	99.08	**806**	2	0.00	58861	99.69
711	44	0.07	57493	97.37	**758**	14	0.02	58516	99.11	**807**	4	0.01	58865	99.70
712	34	0.06	57527	97.43	**759**	23	0.04	58539	99.15	**809**	2	0.00	58867	99.70
713	26	0.04	57553	97.48	**760**	12	0.02	58551	99.17	**810**	1	0.00	58868	99.70
714	33	0.06	57586	97.53	**761**	19	0.03	58570	99.20	**812**	7	0.01	58875	99.72
715	30	0.05	57616	97.58	**762**	15	0.03	58585	99.22	**813**	3	0.01	58878	99.72
716	31	0.05	57647	97.64	**763**	13	0.02	58598	99.25	**814**	16	0.03	58894	99.75
717	50	0.08	57697	97.72	**764**	6	0.01	58604	99.26	**815**	1	0.00	58895	99.75
718	32	0.05	57729	97.77	**765**	12	0.02	58616	99.28	**817**	2	0.00	58897	99.75
719	32	0.05	57761	97.83	**766**	5	0.01	58621	99.29	**818**	8	0.01	58905	99.77
720	33	0.06	57794	97.88	**767**	4	0.01	58625	99.29	**819**	4	0.01	58909	99.77
721	32	0.05	57826	97.94	**768**	11	0.02	58636	99.31	**820**	3	0.01	58912	99.78
722	24	0.04	57850	97.98	**769**	4	0.01	58640	99.32	**821**	2	0.00	58914	99.78
723	24	0.04	57874	98.02	**770**	6	0.01	58646	99.33	**822**	1	0.00	58915	99.78
724	20	0.03	57894	98.05	**771**	8	0.01	58654	99.34	**823**	4	0.01	58919	99.79
725	28	0.05	57922	98.10	**772**	6	0.01	58660	99.35	**826**	11	0.02	58930	99.81
726	28	0.05	57950	98.15	**773**	10	0.02	58670	99.37	**829**	1	0.00	58931	99.81
727	13	0.02	57963	98.17	**774**	12	0.02	58682	99.39	**830**	1	0.00	58932	99.81
728	34	0.06	57997	98.23	**775**	9	0.02	58691	99.40	**831**	1	0.00	58933	99.81
729	26	0.04	58023	98.27	**776**	6	0.01	58697	99.41	**832**	13	0.02	58946	99.84
730	32	0.05	58055	98.33	**777**	5	0.01	58702	99.42	**835**	4	0.01	58950	99.84
731	21	0.04	58076	98.36	**778**	9	0.02	58711	99.44	**836**	6	0.01	58956	99.85
732	30	0.05	58106	98.41	**779**	4	0.01	58715	99.44	**838**	4	0.01	58960	99.86
733	16	0.03	58122	98.44	**780**	5	0.01	58720	99.45	**840**	2	0.00	58962	99.86
734	19	0.03	58141	98.47	**781**	1	0.00	58721	99.45	**841**	6	0.01	58968	99.87
735	12	0.02	58153	98.49	**782**	34	0.06	58755	99.51	**846**	4	0.01	58972	99.88
736	25	0.04	58178	98.53	**783**	4	0.01	58759	99.52	**851**	1	0.00	58973	99.88
737	14	0.02	58192	98.56	**784**	5	0.01	58764	99.53	**853**	1	0.00	58974	99.88
738	18	0.03	58210	98.59	**785**	12	0.02	58776	99.55	**856**	2	0.00	58976	99.89
739	21	0.04	58231	98.62	**786**	3	0.01	58779	99.55	**858**	1	0.00	58977	99.89
740	15	0.03	58246	98.65	**788**	6	0.01	58785	99.56	**864**	2	0.00	58979	99.89
741	24	0.04	58270	98.69	**789**	7	0.01	58792	99.57	**865**	2	0.00	58981	99.89

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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 %
867	1	0.00	58982	99.90
868	6	0.01	58988	99.91
873	4	0.01	58992	99.91
878	2	0.00	58994	99.92
889	12	0.02	59006	99.94
895	3	0.01	59009	99.94
898	4	0.01	59013	99.95
905	3	0.01	59016	99.95
908	13	0.02	59029	99.98
930	14	0.02	59043	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	707	1.20	707	1.20	**387**	15	0.03	1141	1.94	**434**	48	0.08	2505	4.25
341	7	0.01	714	1.21	**388**	17	0.03	1158	1.97	**435**	42	0.07	2547	4.32
342	8	0.01	722	1.23	**389**	23	0.04	1181	2.00	**436**	46	0.08	2593	4.40
343	9	0.02	731	1.24	**390**	23	0.04	1204	2.04	**437**	49	0.08	2642	4.48
344	2	0.00	733	1.24	**391**	16	0.03	1220	2.07	**438**	39	0.07	2681	4.55
345	9	0.02	742	1.26	**392**	23	0.04	1243	2.11	**439**	44	0.07	2725	4.63
346	5	0.01	747	1.27	**393**	18	0.03	1261	2.14	**440**	62	0.11	2787	4.73
347	4	0.01	751	1.27	**394**	20	0.03	1281	2.17	**441**	41	0.07	2828	4.80
348	5	0.01	756	1.28	**395**	17	0.03	1298	2.20	**442**	50	0.08	2878	4.89
349	8	0.01	764	1.30	**396**	17	0.03	1315	2.23	**443**	48	0.08	2926	4.97
350	10	0.02	774	1.31	**397**	22	0.04	1337	2.27	**444**	66	0.11	2992	5.08
351	7	0.01	781	1.33	**398**	22	0.04	1359	2.31	**445**	52	0.09	3044	5.17
352	5	0.01	786	1.33	**399**	24	0.04	1383	2.35	**446**	59	0.10	3103	5.27
353	8	0.01	794	1.35	**400**	18	0.03	1401	2.38	**447**	57	0.10	3160	5.36
354	6	0.01	800	1.36	**401**	26	0.04	1427	2.42	**448**	43	0.07	3203	5.44
355	9	0.02	809	1.37	**402**	25	0.04	1452	2.46	**449**	53	0.09	3256	5.53
356	15	0.03	824	1.40	**403**	22	0.04	1474	2.50	**450**	63	0.11	3319	5.63
357	4	0.01	828	1.41	**404**	20	0.03	1494	2.54	**451**	49	0.08	3368	5.72
358	6	0.01	834	1.42	**405**	19	0.03	1513	2.57	**452**	64	0.11	3432	5.83
359	8	0.01	842	1.43	**406**	27	0.05	1540	2.61	**453**	61	0.10	3493	5.93
360	5	0.01	847	1.44	**407**	29	0.05	1569	2.66	**454**	68	0.12	3561	6.04
361	12	0.02	859	1.46	**408**	34	0.06	1603	2.72	**455**	75	0.13	3636	6.17
362	3	0.01	862	1.46	**409**	29	0.05	1632	2.77	**456**	70	0.12	3706	6.29
363	11	0.02	873	1.48	**410**	30	0.05	1662	2.82	**457**	86	0.15	3792	6.44
364	10	0.02	883	1.50	**411**	29	0.05	1691	2.87	**458**	70	0.12	3862	6.56
365	4	0.01	887	1.51	**412**	27	0.05	1718	2.92	**459**	79	0.13	3941	6.69
366	9	0.02	896	1.52	**413**	21	0.04	1739	2.95	**460**	78	0.13	4019	6.82
367	5	0.01	901	1.53	**414**	24	0.04	1763	2.99	**461**	67	0.11	4086	6.94
368	9	0.02	910	1.54	**415**	25	0.04	1788	3.04	**462**	71	0.12	4157	7.06
369	6	0.01	916	1.55	**416**	32	0.05	1820	3.09	**463**	87	0.15	4244	7.20
370	11	0.02	927	1.57	**417**	30	0.05	1850	3.14	**464**	86	0.15	4330	7.35
371	11	0.02	938	1.59	**418**	38	0.06	1888	3.20	**465**	78	0.13	4408	7.48
372	10	0.02	948	1.61	**419**	37	0.06	1925	3.27	**466**	81	0.14	4489	7.62
373	13	0.02	961	1.63	**420**	32	0.05	1957	3.32	**467**	78	0.13	4567	7.75
374	12	0.02	973	1.65	**421**	23	0.04	1980	3.36	**468**	74	0.13	4641	7.88
375	9	0.02	982	1.67	**422**	34	0.06	2014	3.42	**469**	80	0.14	4721	8.01
376	12	0.02	994	1.69	**423**	31	0.05	2045	3.47	**470**	79	0.13	4800	8.15
377	11	0.02	1005	1.71	**424**	33	0.06	2078	3.53	**471**	93	0.16	4893	8.31
378	12	0.02	1017	1.73	**425**	37	0.06	2115	3.59	**472**	86	0.15	4979	8.45
379	9	0.02	1026	1.74	**426**	34	0.06	2149	3.65	**473**	111	0.19	5090	8.64
380	7	0.01	1033	1.75	**427**	36	0.06	2185	3.71	**474**	90	0.15	5180	8.79
381	12	0.02	1045	1.77	**428**	52	0.09	2237	3.80	**475**	114	0.19	5294	8.99
382	17	0.03	1062	1.80	**429**	45	0.08	2282	3.87	**476**	99	0.17	5393	9.15
383	17	0.03	1079	1.83	**430**	38	0.06	2320	3.94	**477**	113	0.19	5506	9.35
384	19	0.03	1098	1.86	**431**	34	0.06	2354	4.00	**478**	94	0.16	5600	9.51
385	12	0.02	1110	1.88	**432**	55	0.09	2409	4.09	**479**	91	0.15	5691	9.66
386	16	0.03	1126	1.91	**433**	48	0.08	2457	4.17	**480**	101	0.17	5792	9.83

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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	99	0.17	5891	10.00	**528**	244	0.41	13560	23.02	**575**	317	0.54	27493	46.67
482	105	0.18	5996	10.18	**529**	220	0.37	13780	23.39	**576**	324	0.55	27817	47.22
483	100	0.17	6096	10.35	**530**	213	0.36	13993	23.75	**577**	332	0.56	28149	47.78
484	111	0.19	6207	10.54	**531**	229	0.39	14222	24.14	**578**	332	0.56	28481	48.34
485	101	0.17	6308	10.71	**532**	225	0.38	14447	24.52	**579**	360	0.61	28841	48.96
486	123	0.21	6431	10.92	**533**	248	0.42	14695	24.94	**580**	383	0.65	29224	49.61
487	120	0.20	6551	11.12	**534**	259	0.44	14954	25.38	**581**	379	0.64	29603	50.25
488	128	0.22	6679	11.34	**535**	247	0.42	15201	25.80	**582**	349	0.59	29952	50.84
489	134	0.23	6813	11.56	**536**	241	0.41	15442	26.21	**583**	365	0.62	30317	51.46
490	103	0.17	6916	11.74	**537**	256	0.43	15698	26.65	**584**	346	0.59	30663	52.05
491	106	0.18	7022	11.92	**538**	242	0.41	15940	27.06	**585**	347	0.59	31010	52.64
492	110	0.19	7132	12.11	**539**	288	0.49	16228	27.55	**586**	315	0.53	31325	53.17
493	133	0.23	7265	12.33	**540**	280	0.48	16508	28.02	**587**	366	0.62	31691	53.79
494	145	0.25	7410	12.58	**541**	247	0.42	16755	28.44	**588**	370	0.63	32061	54.42
495	134	0.23	7544	12.81	**542**	275	0.47	17030	28.91	**589**	333	0.57	32394	54.99
496	125	0.21	7669	13.02	**543**	284	0.48	17314	29.39	**590**	353	0.60	32747	55.59
497	151	0.26	7820	13.27	**544**	289	0.49	17603	29.88	**591**	309	0.52	33056	56.11
498	164	0.28	7984	13.55	**545**	285	0.48	17888	30.36	**592**	336	0.57	33392	56.68
499	150	0.25	8134	13.81	**546**	287	0.49	18175	30.85	**593**	328	0.56	33720	57.24
500	138	0.23	8272	14.04	**547**	291	0.49	18466	31.35	**594**	325	0.55	34045	57.79
501	148	0.25	8420	14.29	**548**	291	0.49	18757	31.84	**595**	315	0.53	34360	58.32
502	148	0.25	8568	14.54	**549**	280	0.48	19037	32.31	**596**	349	0.59	34709	58.92
503	148	0.25	8716	14.79	**550**	288	0.49	19325	32.80	**597**	345	0.59	35054	59.50
504	169	0.29	8885	15.08	**551**	295	0.50	19620	33.30	**598**	330	0.56	35384	60.06
505	132	0.22	9017	15.31	**552**	336	0.57	19956	33.87	**599**	347	0.59	35731	60.65
506	164	0.28	9181	15.58	**553**	332	0.56	20288	34.44	**600**	361	0.61	36092	61.26
507	167	0.28	9348	15.87	**554**	310	0.53	20598	34.96	**601**	363	0.62	36455	61.88
508	168	0.29	9516	16.15	**555**	313	0.53	20911	35.50	**602**	326	0.55	36781	62.43
509	185	0.31	9701	16.47	**556**	344	0.58	21255	36.08	**603**	342	0.58	37123	63.01
510	163	0.28	9864	16.74	**557**	316	0.54	21571	36.62	**604**	343	0.58	37466	63.60
511	174	0.30	10038	17.04	**558**	341	0.58	21912	37.19	**605**	326	0.55	37792	64.15
512	167	0.28	10205	17.32	**559**	320	0.54	22232	37.74	**606**	313	0.53	38105	64.68
513	194	0.33	10399	17.65	**560**	322	0.55	22554	38.28	**607**	302	0.51	38407	65.19
514	194	0.33	10593	17.98	**561**	327	0.56	22881	38.84	**608**	321	0.54	38728	65.74
515	218	0.37	10811	18.35	**562**	296	0.50	23177	39.34	**609**	356	0.60	39084	66.34
516	208	0.35	11019	18.70	**563**	345	0.59	23522	39.93	**610**	348	0.59	39432	66.93
517	198	0.34	11217	19.04	**564**	370	0.63	23892	40.56	**611**	315	0.53	39747	67.47
518	207	0.35	11424	19.39	**565**	311	0.53	24203	41.08	**612**	288	0.49	40035	67.96
519	202	0.34	11626	19.73	**566**	344	0.58	24547	41.67	**613**	310	0.53	40345	68.48
520	181	0.31	11807	20.04	**567**	321	0.54	24868	42.21	**614**	302	0.51	40647	69.00
521	191	0.32	11998	20.37	**568**	348	0.59	25216	42.80	**615**	308	0.52	40955	69.52
522	201	0.34	12199	20.71	**569**	324	0.55	25540	43.35	**616**	334	0.57	41289	70.09
523	241	0.41	12440	21.12	**570**	332	0.56	25872	43.92	**617**	324	0.55	41613	70.64
524	207	0.35	12647	21.47	**571**	317	0.54	26189	44.45	**618**	297	0.50	41910	71.14
525	215	0.36	12862	21.83	**572**	353	0.60	26542	45.05	**619**	293	0.50	42203	71.64
526	228	0.39	13090	22.22	**573**	303	0.51	26845	45.57	**620**	304	0.52	42507	72.15
527	226	0.38	13316	22.60	**574**	331	0.56	27176	46.13	**621**	313	0.53	42820	72.68

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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	323	0.55	43143	73.23	**669**	183	0.31	54062	91.77	**716**	34	0.06	58259	98.89
623	311	0.53	43454	73.76	**670**	156	0.26	54218	92.03	**717**	34	0.06	58293	98.95
624	335	0.57	43789	74.33	**671**	191	0.32	54409	92.36	**718**	30	0.05	58323	99.00
625	287	0.49	44076	74.82	**672**	131	0.22	54540	92.58	**719**	34	0.06	58357	99.06
626	300	0.51	44376	75.33	**673**	137	0.23	54677	92.81	**720**	33	0.06	58390	99.11
627	301	0.51	44677	75.84	**674**	159	0.27	54836	93.08	**721**	17	0.03	58407	99.14
628	276	0.47	44953	76.31	**675**	137	0.23	54973	93.31	**722**	13	0.02	58420	99.16
629	227	0.39	45180	76.69	**676**	149	0.25	55122	93.57	**723**	18	0.03	58438	99.20
630	253	0.43	45433	77.12	**677**	131	0.22	55253	93.79	**724**	23	0.04	58461	99.23
631	274	0.47	45707	77.59	**678**	122	0.21	55375	94.00	**725**	20	0.03	58481	99.27
632	246	0.42	45953	78.00	**679**	148	0.25	55523	94.25	**726**	24	0.04	58505	99.31
633	285	0.48	46238	78.49	**680**	135	0.23	55658	94.48	**727**	19	0.03	58524	99.34
634	274	0.47	46512	78.95	**681**	145	0.25	55803	94.72	**728**	26	0.04	58550	99.39
635	254	0.43	46766	79.38	**682**	96	0.16	55899	94.89	**729**	18	0.03	58568	99.42
636	272	0.46	47038	79.84	**683**	111	0.19	56010	95.07	**730**	24	0.04	58592	99.46
637	255	0.43	47293	80.28	**684**	107	0.18	56117	95.26	**731**	16	0.03	58608	99.48
638	251	0.43	47544	80.70	**685**	109	0.19	56226	95.44	**732**	13	0.02	58621	99.51
639	258	0.44	47802	81.14	**686**	106	0.18	56332	95.62	**733**	9	0.02	58630	99.52
640	235	0.40	48037	81.54	**687**	104	0.18	56436	95.80	**734**	6	0.01	58636	99.53
641	231	0.39	48268	81.93	**688**	94	0.16	56530	95.96	**735**	16	0.03	58652	99.56
642	220	0.37	48488	82.31	**689**	103	0.17	56633	96.13	**736**	18	0.03	58670	99.59
643	255	0.43	48743	82.74	**690**	80	0.14	56713	96.27	**737**	16	0.03	58686	99.62
644	268	0.45	49011	83.19	**691**	81	0.14	56794	96.40	**738**	8	0.01	58694	99.63
645	232	0.39	49243	83.59	**692**	83	0.14	56877	96.55	**739**	8	0.01	58702	99.64
646	223	0.38	49466	83.97	**693**	91	0.15	56968	96.70	**740**	9	0.02	58711	99.66
647	235	0.40	49701	84.36	**694**	81	0.14	57049	96.84	**741**	13	0.02	58724	99.68
648	224	0.38	49925	84.75	**695**	69	0.12	57118	96.95	**742**	11	0.02	58735	99.70
649	224	0.38	50149	85.13	**696**	83	0.14	57201	97.10	**743**	9	0.02	58744	99.71
650	213	0.36	50362	85.49	**697**	93	0.16	57294	97.25	**744**	11	0.02	58755	99.73
651	220	0.37	50582	85.86	**698**	57	0.10	57351	97.35	**745**	12	0.02	58767	99.75
652	208	0.35	50790	86.21	**699**	81	0.14	57432	97.49	**746**	7	0.01	58774	99.77
653	217	0.37	51007	86.58	**700**	66	0.11	57498	97.60	**747**	5	0.01	58779	99.77
654	182	0.31	51189	86.89	**701**	64	0.11	57562	97.71	**748**	4	0.01	58783	99.78
655	219	0.37	51408	87.26	**702**	72	0.12	57634	97.83	**749**	9	0.02	58792	99.80
656	231	0.39	51639	87.65	**703**	69	0.12	57703	97.95	**750**	10	0.02	58802	99.81
657	213	0.36	51852	88.02	**704**	46	0.08	57749	98.03	**751**	9	0.02	58811	99.83
658	224	0.38	52076	88.40	**705**	49	0.08	57798	98.11	**752**	5	0.01	58816	99.84
659	198	0.34	52274	88.73	**706**	50	0.08	57848	98.19	**753**	8	0.01	58824	99.85
660	191	0.32	52465	89.06	**707**	46	0.08	57894	98.27	**754**	3	0.01	58827	99.86
661	176	0.30	52641	89.36	**708**	51	0.09	57945	98.36	**755**	4	0.01	58831	99.86
662	199	0.34	52840	89.69	**709**	45	0.08	57990	98.43	**756**	4	0.01	58835	99.87
663	156	0.26	52996	89.96	**710**	51	0.09	58041	98.52	**757**	4	0.01	58839	99.88
664	193	0.33	53189	90.29	**711**	37	0.06	58078	98.58	**758**	4	0.01	58843	99.88
665	188	0.32	53377	90.60	**712**	47	0.08	58125	98.66	**759**	6	0.01	58849	99.89
666	162	0.27	53539	90.88	**713**	35	0.06	58160	98.72	**760**	4	0.01	58853	99.90
667	167	0.28	53706	91.16	**714**	35	0.06	58195	98.78	**761**	5	0.01	58858	99.91
668	173	0.29	53879	91.46	**715**	30	0.05	58225	98.83	**762**	1	0.00	58859	99.91

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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	8	0.01	58867	99.92
764	2	0.00	58869	99.93
766	1	0.00	58870	99.93
768	2	0.00	58872	99.93
769	1	0.00	58873	99.93
770	2	0.00	58875	99.94
771	4	0.01	58879	99.94
774	3	0.01	58882	99.95
775	2	0.00	58884	99.95
776	4	0.01	58888	99.96
779	1	0.00	58889	99.96
780	1	0.00	58890	99.96
781	1	0.00	58891	99.96
782	1	0.00	58892	99.97
785	2	0.00	58894	99.97
786	1	0.00	58895	99.97
790	1	0.00	58896	99.97
793	1	0.00	58897	99.97
794	1	0.00	58898	99.98
795	1	0.00	58899	99.98
797	1	0.00	58900	99.98
799	1	0.00	58901	99.98
801	1	0.00	58902	99.98
802	1	0.00	58903	99.98
803	1	0.00	58904	99.99
804	1	0.00	58905	99.99
817	2	0.00	58907	99.99
823	2	0.00	58909	99.99
836	1	0.00	58910	100.00
866	2	0.00	58912	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	217	0.39	217	0.39	**458**	2	0.00	285	0.51	**507**	12	0.02	480	0.85
375	1	0.00	218	0.39	**459**	4	0.01	289	0.51	**508**	4	0.01	484	0.86
378	2	0.00	220	0.39	**461**	5	0.01	294	0.52	**509**	6	0.01	490	0.87
382	2	0.00	222	0.39	**462**	2	0.00	296	0.53	**510**	13	0.02	503	0.89
383	1	0.00	223	0.40	**463**	1	0.00	297	0.53	**511**	9	0.02	512	0.91
385	1	0.00	224	0.40	**464**	1	0.00	298	0.53	**512**	12	0.02	524	0.93
386	1	0.00	225	0.40	**465**	2	0.00	300	0.53	**513**	7	0.01	531	0.94
387	1	0.00	226	0.40	**466**	2	0.00	302	0.54	**514**	5	0.01	536	0.95
395	1	0.00	227	0.40	**468**	3	0.01	305	0.54	**515**	8	0.01	544	0.97
396	1	0.00	228	0.40	**469**	3	0.01	308	0.55	**516**	4	0.01	548	0.97
398	1	0.00	229	0.41	**470**	3	0.01	311	0.55	**517**	10	0.02	558	0.99
400	1	0.00	230	0.41	**471**	3	0.01	314	0.56	**518**	5	0.01	563	1.00
401	1	0.00	231	0.41	**472**	1	0.00	315	0.56	**519**	6	0.01	569	1.01
402	1	0.00	232	0.41	**473**	1	0.00	316	0.56	**520**	5	0.01	574	1.02
403	1	0.00	233	0.41	**474**	3	0.01	319	0.57	**521**	8	0.01	582	1.03
404	1	0.00	234	0.42	**475**	1	0.00	320	0.57	**522**	9	0.02	591	1.05
408	2	0.00	236	0.42	**476**	2	0.00	322	0.57	**523**	8	0.01	599	1.06
410	2	0.00	238	0.42	**477**	3	0.01	325	0.58	**524**	6	0.01	605	1.07
412	1	0.00	239	0.42	**478**	2	0.00	327	0.58	**525**	9	0.02	614	1.09
413	1	0.00	240	0.43	**479**	2	0.00	329	0.58	**526**	12	0.02	626	1.11
416	3	0.01	243	0.43	**480**	5	0.01	334	0.59	**527**	11	0.02	637	1.13
420	1	0.00	244	0.43	**481**	5	0.01	339	0.60	**528**	5	0.01	642	1.14
424	2	0.00	246	0.44	**482**	5	0.01	344	0.61	**529**	7	0.01	649	1.15
426	1	0.00	247	0.44	**483**	6	0.01	350	0.62	**530**	15	0.03	664	1.18
427	1	0.00	248	0.44	**484**	5	0.01	355	0.63	**531**	12	0.02	676	1.20
428	1	0.00	249	0.44	**485**	4	0.01	359	0.64	**532**	17	0.03	693	1.23
430	1	0.00	250	0.44	**486**	3	0.01	362	0.64	**533**	13	0.02	706	1.25
431	4	0.01	254	0.45	**487**	3	0.01	365	0.65	**534**	16	0.03	722	1.28
433	1	0.00	255	0.45	**488**	3	0.01	368	0.65	**535**	11	0.02	733	1.30
434	1	0.00	256	0.45	**489**	4	0.01	372	0.66	**536**	14	0.02	747	1.33
437	1	0.00	257	0.46	**490**	4	0.01	376	0.67	**537**	19	0.03	766	1.36
438	2	0.00	259	0.46	**491**	7	0.01	383	0.68	**538**	17	0.03	783	1.39
439	1	0.00	260	0.46	**492**	2	0.00	385	0.68	**539**	11	0.02	794	1.41
440	2	0.00	262	0.47	**493**	4	0.01	389	0.69	**540**	20	0.04	814	1.45
441	1	0.00	263	0.47	**494**	4	0.01	393	0.70	**541**	20	0.04	834	1.48
443	1	0.00	264	0.47	**495**	6	0.01	399	0.71	**542**	19	0.03	853	1.51
444	1	0.00	265	0.47	**496**	6	0.01	405	0.72	**543**	17	0.03	870	1.55
446	2	0.00	267	0.47	**497**	4	0.01	409	0.73	**544**	17	0.03	887	1.58
447	1	0.00	268	0.48	**498**	8	0.01	417	0.74	**545**	22	0.04	909	1.61
449	1	0.00	269	0.48	**499**	6	0.01	423	0.75	**546**	23	0.04	932	1.66
450	2	0.00	271	0.48	**500**	7	0.01	430	0.76	**547**	22	0.04	954	1.69
452	1	0.00	272	0.48	**501**	5	0.01	435	0.77	**548**	23	0.04	977	1.74
453	1	0.00	273	0.48	**502**	10	0.02	445	0.79	**549**	18	0.03	995	1.77
454	4	0.01	277	0.49	**503**	7	0.01	452	0.80	**550**	22	0.04	1017	1.81
455	2	0.00	279	0.50	**504**	7	0.01	459	0.82	**551**	17	0.03	1034	1.84
456	2	0.00	281	0.50	**505**	5	0.01	464	0.82	**552**	20	0.04	1054	1.87
457	2	0.00	283	0.50	**506**	4	0.01	468	0.83	**553**	21	0.04	1075	1.91

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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 %
554	20	0.04	1095	1.94	**601**	76	0.13	3630	6.45	**648**	331	0.59	12165	21.61
555	23	0.04	1118	1.99	**602**	101	0.18	3731	6.63	**649**	294	0.52	12459	22.13
556	24	0.04	1142	2.03	**603**	113	0.20	3844	6.83	**650**	329	0.58	12788	22.71
557	25	0.04	1167	2.07	**604**	105	0.19	3949	7.01	**651**	326	0.58	13114	23.29
558	26	0.05	1193	2.12	**605**	111	0.20	4060	7.21	**652**	292	0.52	13406	23.81
559	32	0.06	1225	2.18	**606**	108	0.19	4168	7.40	**653**	331	0.59	13737	24.40
560	25	0.04	1250	2.22	**607**	110	0.20	4278	7.60	**654**	334	0.59	14071	24.99
561	36	0.06	1286	2.28	**608**	115	0.20	4393	7.80	**655**	354	0.63	14425	25.62
562	38	0.07	1324	2.35	**609**	120	0.21	4513	8.02	**656**	298	0.53	14723	26.15
563	29	0.05	1353	2.40	**610**	135	0.24	4648	8.25	**657**	349	0.62	15072	26.77
564	44	0.08	1397	2.48	**611**	122	0.22	4770	8.47	**658**	386	0.69	15458	27.45
565	25	0.04	1422	2.53	**612**	134	0.24	4904	8.71	**659**	345	0.61	15803	28.07
566	33	0.06	1455	2.58	**613**	112	0.20	5016	8.91	**660**	352	0.63	16155	28.69
567	36	0.06	1491	2.65	**614**	125	0.22	5141	9.13	**661**	380	0.67	16535	29.37
568	44	0.08	1535	2.73	**615**	120	0.21	5261	9.34	**662**	388	0.69	16923	30.06
569	45	0.08	1580	2.81	**616**	151	0.27	5412	9.61	**663**	400	0.71	17323	30.77
570	63	0.11	1643	2.92	**617**	163	0.29	5575	9.90	**664**	410	0.73	17733	31.49
571	47	0.08	1690	3.00	**618**	143	0.25	5718	10.16	**665**	395	0.70	18128	32.20
572	48	0.09	1738	3.09	**619**	147	0.26	5865	10.42	**666**	400	0.71	18528	32.91
573	34	0.06	1772	3.15	**620**	158	0.28	6023	10.70	**667**	419	0.74	18947	33.65
574	48	0.09	1820	3.23	**621**	160	0.28	6183	10.98	**668**	419	0.74	19366	34.39
575	50	0.09	1870	3.32	**622**	166	0.29	6349	11.28	**669**	420	0.75	19786	35.14
576	57	0.10	1927	3.42	**623**	162	0.29	6511	11.56	**670**	442	0.78	20228	35.93
577	43	0.08	1970	3.50	**624**	159	0.28	6670	11.85	**671**	426	0.76	20654	36.68
578	47	0.08	2017	3.58	**625**	181	0.32	6851	12.17	**672**	438	0.78	21092	37.46
579	55	0.10	2072	3.68	**626**	174	0.31	7025	12.48	**673**	471	0.84	21563	38.30
580	52	0.09	2124	3.77	**627**	158	0.28	7183	12.76	**674**	432	0.77	21995	39.06
581	63	0.11	2187	3.88	**628**	172	0.31	7355	13.06	**675**	464	0.82	22459	39.89
582	56	0.10	2243	3.98	**629**	173	0.31	7528	13.37	**676**	453	0.80	22912	40.69
583	64	0.11	2307	4.10	**630**	210	0.37	7738	13.74	**677**	488	0.87	23400	41.56
584	45	0.08	2352	4.18	**631**	197	0.35	7935	14.09	**678**	514	0.91	23914	42.47
585	57	0.10	2409	4.28	**632**	195	0.35	8130	14.44	**679**	476	0.85	24390	43.32
586	49	0.09	2458	4.37	**633**	192	0.34	8322	14.78	**680**	456	0.81	24846	44.13
587	58	0.10	2516	4.47	**634**	226	0.40	8548	15.18	**681**	459	0.82	25305	44.94
588	57	0.10	2573	4.57	**635**	214	0.38	8762	15.56	**682**	492	0.87	25797	45.82
589	76	0.13	2649	4.70	**636**	247	0.44	9009	16.00	**683**	498	0.88	26295	46.70
590	63	0.11	2712	4.82	**637**	226	0.40	9235	16.40	**684**	506	0.90	26801	47.60
591	68	0.12	2780	4.94	**638**	230	0.41	9465	16.81	**685**	489	0.87	27290	48.47
592	85	0.15	2865	5.09	**639**	257	0.46	9722	17.27	**686**	495	0.88	27785	49.35
593	79	0.14	2944	5.23	**640**	209	0.37	9931	17.64	**687**	516	0.92	28301	50.26
594	85	0.15	3029	5.38	**641**	249	0.44	10180	18.08	**688**	475	0.84	28776	51.11
595	84	0.15	3113	5.53	**642**	265	0.47	10445	18.55	**689**	518	0.92	29294	52.03
596	85	0.15	3198	5.68	**643**	275	0.49	10720	19.04	**690**	487	0.86	29781	52.89
597	90	0.16	3288	5.84	**644**	272	0.48	10992	19.52	**691**	542	0.96	30323	53.85
598	90	0.16	3378	6.00	**645**	262	0.47	11254	19.99	**692**	515	0.91	30838	54.77
599	85	0.15	3463	6.15	**646**	285	0.51	11539	20.49	**693**	494	0.88	31332	55.65
600	91	0.16	3554	6.31	**647**	295	0.52	11834	21.02	**694**	511	0.91	31843	56.55

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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 %
695	551	0.98	32394	57.53	**742**	253	0.45	50987	90.55	**789**	21	0.04	55969	99.40
696	519	0.92	32913	58.45	**743**	209	0.37	51196	90.92	**790**	13	0.02	55982	99.42
697	529	0.94	33442	59.39	**744**	214	0.38	51410	91.30	**791**	24	0.04	56006	99.47
698	501	0.89	33943	60.28	**745**	210	0.37	51620	91.68	**792**	20	0.04	56026	99.50
699	475	0.84	34418	61.13	**746**	206	0.37	51826	92.04	**793**	14	0.02	56040	99.53
700	479	0.85	34897	61.98	**747**	222	0.39	52048	92.44	**794**	19	0.03	56059	99.56
701	489	0.87	35386	62.85	**748**	193	0.34	52241	92.78	**795**	24	0.04	56083	99.60
702	476	0.85	35862	63.69	**749**	194	0.34	52435	93.13	**796**	11	0.02	56094	99.62
703	493	0.88	36355	64.57	**750**	200	0.36	52635	93.48	**797**	10	0.02	56104	99.64
704	450	0.80	36805	65.37	**751**	155	0.28	52790	93.76	**798**	17	0.03	56121	99.67
705	492	0.87	37297	66.24	**752**	174	0.31	52964	94.06	**799**	12	0.02	56133	99.69
706	490	0.87	37787	67.11	**753**	161	0.29	53125	94.35	**800**	15	0.03	56148	99.72
707	492	0.87	38279	67.98	**754**	177	0.31	53302	94.66	**801**	11	0.02	56159	99.74
708	492	0.87	38771	68.86	**755**	165	0.29	53467	94.96	**802**	10	0.02	56169	99.76
709	482	0.86	39253	69.71	**756**	164	0.29	53631	95.25	**803**	7	0.01	56176	99.77
710	459	0.82	39712	70.53	**757**	120	0.21	53751	95.46	**804**	12	0.02	56188	99.79
711	468	0.83	40180	71.36	**758**	128	0.23	53879	95.69	**805**	9	0.02	56197	99.81
712	422	0.75	40602	72.11	**759**	125	0.22	54004	95.91	**806**	6	0.01	56203	99.82
713	442	0.78	41044	72.89	**760**	132	0.23	54136	96.15	**807**	6	0.01	56209	99.83
714	500	0.89	41544	73.78	**761**	125	0.22	54261	96.37	**808**	6	0.01	56215	99.84
715	413	0.73	41957	74.52	**762**	100	0.18	54361	96.55	**809**	6	0.01	56221	99.85
716	455	0.81	42412	75.32	**763**	121	0.21	54482	96.76	**810**	7	0.01	56228	99.86
717	425	0.75	42837	76.08	**764**	114	0.20	54596	96.96	**811**	9	0.02	56237	99.88
718	388	0.69	43225	76.77	**765**	107	0.19	54703	97.15	**812**	5	0.01	56242	99.89
719	416	0.74	43641	77.51	**766**	95	0.17	54798	97.32	**813**	3	0.01	56245	99.89
720	394	0.70	44035	78.21	**767**	86	0.15	54884	97.47	**814**	5	0.01	56250	99.90
721	404	0.72	44439	78.92	**768**	74	0.13	54958	97.61	**815**	4	0.01	56254	99.91
722	382	0.68	44821	79.60	**769**	65	0.12	55023	97.72	**816**	4	0.01	56258	99.91
723	380	0.67	45201	80.28	**770**	78	0.14	55101	97.86	**817**	3	0.01	56261	99.92
724	389	0.69	45590	80.97	**771**	74	0.13	55175	97.99	**818**	7	0.01	56268	99.93
725	356	0.63	45946	81.60	**772**	72	0.13	55247	98.12	**819**	2	0.00	56270	99.94
726	377	0.67	46323	82.27	**773**	59	0.10	55306	98.22	**820**	4	0.01	56274	99.94
727	365	0.65	46688	82.92	**774**	77	0.14	55383	98.36	**821**	3	0.01	56277	99.95
728	307	0.55	46995	83.46	**775**	52	0.09	55435	98.45	**822**	5	0.01	56282	99.96
729	336	0.60	47331	84.06	**776**	58	0.10	55493	98.56	**823**	3	0.01	56285	99.96
730	309	0.55	47640	84.61	**777**	53	0.09	55546	98.65	**824**	1	0.00	56286	99.96
731	310	0.55	47950	85.16	**778**	61	0.11	55607	98.76	**825**	1	0.00	56287	99.97
732	327	0.58	48277	85.74	**779**	46	0.08	55653	98.84	**826**	1	0.00	56288	99.97
733	298	0.53	48575	86.27	**780**	36	0.06	55689	98.90	**828**	2	0.00	56290	99.97
734	295	0.52	48870	86.79	**781**	31	0.06	55720	98.96	**832**	1	0.00	56291	99.97
735	281	0.50	49151	87.29	**782**	38	0.07	55758	99.03	**833**	3	0.01	56294	99.98
736	298	0.53	49449	87.82	**783**	41	0.07	55799	99.10	**836**	1	0.00	56295	99.98
737	269	0.48	49718	88.30	**784**	33	0.06	55832	99.16	**837**	1	0.00	56296	99.98
738	265	0.47	49983	88.77	**785**	22	0.04	55854	99.20	**841**	1	0.00	56297	99.98
739	246	0.44	50229	89.21	**786**	29	0.05	55883	99.25	**842**	1	0.00	56298	99.99
740	252	0.45	50481	89.65	**787**	38	0.07	55921	99.32	**844**	2	0.00	56300	99.99
741	253	0.45	50734	90.10	**788**	27	0.05	55948	99.36	**846**	1	0.00	56301	99.99

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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 %
850	2	0.00	56303	99.99
864	1	0.00	56304	100.00
866	1	0.00	56305	100.00
981	1	0.00	56306	100.00

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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	100	0.18	100	0.18	**325**	3	0.01	193	0.34	**373**	13	0.02	437	0.78
271	2	0.00	102	0.18	**326**	2	0.00	195	0.35	**374**	14	0.02	451	0.80
272	1	0.00	103	0.18	**327**	4	0.01	199	0.35	**375**	7	0.01	458	0.81
273	2	0.00	105	0.19	**329**	3	0.01	202	0.36	**376**	8	0.01	466	0.83
275	2	0.00	107	0.19	**330**	1	0.00	203	0.36	**377**	9	0.02	475	0.84
278	1	0.00	108	0.19	**331**	3	0.01	206	0.37	**378**	12	0.02	487	0.86
280	1	0.00	109	0.19	**332**	1	0.00	207	0.37	**379**	8	0.01	495	0.88
281	1	0.00	110	0.20	**333**	2	0.00	209	0.37	**380**	7	0.01	502	0.89
282	2	0.00	112	0.20	**334**	2	0.00	211	0.37	**381**	14	0.02	516	0.92
283	1	0.00	113	0.20	**335**	4	0.01	215	0.38	**382**	12	0.02	528	0.94
284	3	0.01	116	0.21	**336**	2	0.00	217	0.38	**383**	14	0.02	542	0.96
286	2	0.00	118	0.21	**337**	1	0.00	218	0.39	**384**	17	0.03	559	0.99
287	3	0.01	121	0.21	**338**	3	0.01	221	0.39	**385**	11	0.02	570	1.01
288	1	0.00	122	0.22	**339**	1	0.00	222	0.39	**386**	16	0.03	586	1.04
289	4	0.01	126	0.22	**340**	1	0.00	223	0.40	**387**	8	0.01	594	1.05
290	5	0.01	131	0.23	**341**	6	0.01	229	0.41	**388**	20	0.04	614	1.09
291	1	0.00	132	0.23	**342**	4	0.01	233	0.41	**389**	19	0.03	633	1.12
293	1	0.00	133	0.24	**343**	5	0.01	238	0.42	**390**	11	0.02	644	1.14
294	1	0.00	134	0.24	**344**	5	0.01	243	0.43	**391**	19	0.03	663	1.18
296	1	0.00	135	0.24	**345**	3	0.01	246	0.44	**392**	15	0.03	678	1.20
297	1	0.00	136	0.24	**346**	4	0.01	250	0.44	**393**	8	0.01	686	1.22
298	1	0.00	137	0.24	**347**	4	0.01	254	0.45	**394**	6	0.01	692	1.23
299	2	0.00	139	0.25	**348**	2	0.00	256	0.45	**395**	22	0.04	714	1.27
300	2	0.00	141	0.25	**349**	3	0.01	259	0.46	**396**	15	0.03	729	1.29
301	2	0.00	143	0.25	**350**	6	0.01	265	0.47	**397**	23	0.04	752	1.33
302	1	0.00	144	0.26	**351**	8	0.01	273	0.48	**398**	18	0.03	770	1.37
303	2	0.00	146	0.26	**352**	5	0.01	278	0.49	**399**	14	0.02	784	1.39
304	1	0.00	147	0.26	**353**	7	0.01	285	0.51	**400**	19	0.03	803	1.42
305	3	0.01	150	0.27	**354**	5	0.01	290	0.51	**401**	14	0.02	817	1.45
306	1	0.00	151	0.27	**355**	5	0.01	295	0.52	**402**	20	0.04	837	1.48
307	1	0.00	152	0.27	**356**	6	0.01	301	0.53	**403**	20	0.04	857	1.52
308	1	0.00	153	0.27	**357**	7	0.01	308	0.55	**404**	15	0.03	872	1.55
309	1	0.00	154	0.27	**358**	9	0.02	317	0.56	**405**	26	0.05	898	1.59
310	3	0.01	157	0.28	**359**	5	0.01	322	0.57	**406**	18	0.03	916	1.62
311	1	0.00	158	0.28	**360**	9	0.02	331	0.59	**407**	24	0.04	940	1.67
312	1	0.00	159	0.28	**361**	3	0.01	334	0.59	**408**	23	0.04	963	1.71
313	1	0.00	160	0.28	**362**	5	0.01	339	0.60	**409**	27	0.05	990	1.76
314	2	0.00	162	0.29	**363**	11	0.02	350	0.62	**410**	21	0.04	1011	1.79
315	3	0.01	165	0.29	**364**	4	0.01	354	0.63	**411**	20	0.04	1031	1.83
316	2	0.00	167	0.30	**365**	10	0.02	364	0.65	**412**	24	0.04	1055	1.87
317	4	0.01	171	0.30	**366**	5	0.01	369	0.65	**413**	24	0.04	1079	1.91
318	2	0.00	173	0.31	**367**	7	0.01	376	0.67	**414**	28	0.05	1107	1.96
320	4	0.01	177	0.31	**368**	5	0.01	381	0.68	**415**	22	0.04	1129	2.00
321	2	0.00	179	0.32	**369**	11	0.02	392	0.70	**416**	28	0.05	1157	2.05
322	3	0.01	182	0.32	**370**	18	0.03	410	0.73	**417**	38	0.07	1195	2.12
323	5	0.01	187	0.33	**371**	9	0.02	419	0.74	**418**	23	0.04	1218	2.16
324	3	0.01	190	0.34	**372**	5	0.01	424	0.75	**419**	28	0.05	1246	2.21

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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 %
420	27	0.05	1273	2.26	**467**	102	0.18	4232	7.51	**514**	177	0.31	11098	19.69
421	33	0.06	1306	2.32	**468**	93	0.16	4325	7.67	**515**	196	0.35	11294	20.03
422	28	0.05	1334	2.37	**469**	105	0.19	4430	7.86	**516**	218	0.39	11512	20.42
423	28	0.05	1362	2.42	**470**	108	0.19	4538	8.05	**517**	219	0.39	11731	20.81
424	22	0.04	1384	2.46	**471**	115	0.20	4653	8.25	**518**	206	0.37	11937	21.17
425	32	0.06	1416	2.51	**472**	116	0.21	4769	8.46	**519**	228	0.40	12165	21.58
426	39	0.07	1455	2.58	**473**	110	0.20	4879	8.65	**520**	234	0.42	12399	21.99
427	60	0.11	1515	2.69	**474**	110	0.20	4989	8.85	**521**	223	0.40	12622	22.39
428	44	0.08	1559	2.77	**475**	111	0.20	5100	9.05	**522**	215	0.38	12837	22.77
429	49	0.09	1608	2.85	**476**	131	0.23	5231	9.28	**523**	243	0.43	13080	23.20
430	46	0.08	1654	2.93	**477**	129	0.23	5360	9.51	**524**	252	0.45	13332	23.65
431	45	0.08	1699	3.01	**478**	126	0.22	5486	9.73	**525**	228	0.40	13560	24.05
432	47	0.08	1746	3.10	**479**	141	0.25	5627	9.98	**526**	224	0.40	13784	24.45
433	42	0.07	1788	3.17	**480**	125	0.22	5752	10.20	**527**	225	0.40	14009	24.85
434	48	0.09	1836	3.26	**481**	108	0.19	5860	10.39	**528**	235	0.42	14244	25.27
435	42	0.07	1878	3.33	**482**	116	0.21	5976	10.60	**529**	224	0.40	14468	25.66
436	53	0.09	1931	3.43	**483**	120	0.21	6096	10.81	**530**	232	0.41	14700	26.08
437	50	0.09	1981	3.51	**484**	117	0.21	6213	11.02	**531**	240	0.43	14940	26.50
438	50	0.09	2031	3.60	**485**	134	0.24	6347	11.26	**532**	260	0.46	15200	26.96
439	58	0.10	2089	3.71	**486**	147	0.26	6494	11.52	**533**	274	0.49	15474	27.45
440	65	0.12	2154	3.82	**487**	128	0.23	6622	11.75	**534**	260	0.46	15734	27.91
441	63	0.11	2217	3.93	**488**	139	0.25	6761	11.99	**535**	249	0.44	15983	28.35
442	61	0.11	2278	4.04	**489**	134	0.24	6895	12.23	**536**	246	0.44	16229	28.79
443	55	0.10	2333	4.14	**490**	146	0.26	7041	12.49	**537**	237	0.42	16466	29.21
444	74	0.13	2407	4.27	**491**	134	0.24	7175	12.73	**538**	288	0.51	16754	29.72
445	76	0.13	2483	4.40	**492**	132	0.23	7307	12.96	**539**	242	0.43	16996	30.15
446	70	0.12	2553	4.53	**493**	149	0.26	7456	13.23	**540**	303	0.54	17299	30.69
447	54	0.10	2607	4.62	**494**	167	0.30	7623	13.52	**541**	276	0.49	17575	31.18
448	59	0.10	2666	4.73	**495**	122	0.22	7745	13.74	**542**	272	0.48	17847	31.66
449	75	0.13	2741	4.86	**496**	149	0.26	7894	14.00	**543**	264	0.47	18111	32.13
450	71	0.13	2812	4.99	**497**	158	0.28	8052	14.28	**544**	291	0.52	18402	32.64
451	74	0.13	2886	5.12	**498**	164	0.29	8216	14.57	**545**	302	0.54	18704	33.18
452	74	0.13	2960	5.25	**499**	139	0.25	8355	14.82	**546**	281	0.50	18985	33.68
453	77	0.14	3037	5.39	**500**	166	0.29	8521	15.12	**547**	313	0.56	19298	34.23
454	73	0.13	3110	5.52	**501**	173	0.31	8694	15.42	**548**	276	0.49	19574	34.72
455	73	0.13	3183	5.65	**502**	157	0.28	8851	15.70	**549**	270	0.48	19844	35.20
456	82	0.15	3265	5.79	**503**	164	0.29	9015	15.99	**550**	272	0.48	20116	35.68
457	73	0.13	3338	5.92	**504**	153	0.27	9168	16.26	**551**	302	0.54	20418	36.22
458	78	0.14	3416	6.06	**505**	170	0.30	9338	16.56	**552**	298	0.53	20716	36.75
459	70	0.12	3486	6.18	**506**	180	0.32	9518	16.88	**553**	293	0.52	21009	37.27
460	82	0.15	3568	6.33	**507**	198	0.35	9716	17.23	**554**	294	0.52	21303	37.79
461	94	0.17	3662	6.50	**508**	194	0.34	9910	17.58	**555**	315	0.56	21618	38.35
462	95	0.17	3757	6.66	**509**	197	0.35	10107	17.93	**556**	290	0.51	21908	38.86
463	88	0.16	3845	6.82	**510**	194	0.34	10301	18.27	**557**	317	0.56	22225	39.42
464	107	0.19	3952	7.01	**511**	195	0.35	10496	18.62	**558**	310	0.55	22535	39.97
465	92	0.16	4044	7.17	**512**	217	0.38	10713	19.00	**559**	326	0.58	22861	40.55
466	86	0.15	4130	7.33	**513**	208	0.37	10921	19.37	**560**	325	0.58	23186	41.13

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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 %
561	290	0.51	23476	41.64	**608**	283	0.50	37817	67.08	**655**	174	0.31	48697	86.38
562	310	0.55	23786	42.19	**609**	279	0.49	38096	67.58	**656**	149	0.26	48846	86.65
563	339	0.60	24125	42.79	**610**	260	0.46	38356	68.04	**657**	179	0.32	49025	86.96
564	292	0.52	24417	43.31	**611**	267	0.47	38623	68.51	**658**	157	0.28	49182	87.24
565	314	0.56	24731	43.87	**612**	293	0.52	38916	69.03	**659**	160	0.28	49342	87.53
566	305	0.54	25036	44.41	**613**	288	0.51	39204	69.54	**660**	155	0.27	49497	87.80
567	330	0.59	25366	45.00	**614**	274	0.49	39478	70.03	**661**	153	0.27	49650	88.07
568	299	0.53	25665	45.53	**615**	303	0.54	39781	70.57	**662**	160	0.28	49810	88.36
569	300	0.53	25965	46.06	**616**	292	0.52	40073	71.08	**663**	153	0.27	49963	88.63
570	348	0.62	26313	46.68	**617**	280	0.50	40353	71.58	**664**	158	0.28	50121	88.91
571	310	0.55	26623	47.23	**618**	254	0.45	40607	72.03	**665**	136	0.24	50257	89.15
572	317	0.56	26940	47.79	**619**	253	0.45	40860	72.48	**666**	136	0.24	50393	89.39
573	296	0.53	27236	48.31	**620**	256	0.45	41116	72.93	**667**	141	0.25	50534	89.64
574	315	0.56	27551	48.87	**621**	210	0.37	41326	73.31	**668**	130	0.23	50664	89.87
575	320	0.57	27871	49.44	**622**	252	0.45	41578	73.75	**669**	145	0.26	50809	90.13
576	316	0.56	28187	50.00	**623**	251	0.45	41829	74.20	**670**	143	0.25	50952	90.38
577	289	0.51	28476	50.51	**624**	250	0.44	42079	74.64	**671**	139	0.25	51091	90.63
578	311	0.55	28787	51.06	**625**	231	0.41	42310	75.05	**672**	107	0.19	51198	90.82
579	327	0.58	29114	51.64	**626**	261	0.46	42571	75.52	**673**	136	0.24	51334	91.06
580	317	0.56	29431	52.21	**627**	256	0.45	42827	75.97	**674**	114	0.20	51448	91.26
581	315	0.56	29746	52.77	**628**	245	0.43	43072	76.40	**675**	124	0.22	51572	91.48
582	318	0.56	30064	53.33	**629**	244	0.43	43316	76.84	**676**	123	0.22	51695	91.70
583	311	0.55	30375	53.88	**630**	255	0.45	43571	77.29	**677**	116	0.21	51811	91.91
584	313	0.56	30688	54.44	**631**	221	0.39	43792	77.68	**678**	130	0.23	51941	92.14
585	325	0.58	31013	55.01	**632**	266	0.47	44058	78.15	**679**	116	0.21	52057	92.34
586	328	0.58	31341	55.59	**633**	256	0.45	44314	78.61	**680**	119	0.21	52176	92.55
587	304	0.54	31645	56.13	**634**	212	0.38	44526	78.98	**681**	113	0.20	52289	92.75
588	331	0.59	31976	56.72	**635**	219	0.39	44745	79.37	**682**	94	0.17	52383	92.92
589	336	0.60	32312	57.32	**636**	222	0.39	44967	79.77	**683**	96	0.17	52479	93.09
590	279	0.49	32591	57.81	**637**	234	0.42	45201	80.18	**684**	99	0.18	52578	93.27
591	290	0.51	32881	58.33	**638**	244	0.43	45445	80.61	**685**	103	0.18	52681	93.45
592	319	0.57	33200	58.89	**639**	217	0.38	45662	81.00	**686**	90	0.16	52771	93.61
593	264	0.47	33464	59.36	**640**	205	0.36	45867	81.36	**687**	89	0.16	52860	93.77
594	299	0.53	33763	59.89	**641**	203	0.36	46070	81.72	**688**	87	0.15	52947	93.92
595	298	0.53	34061	60.42	**642**	211	0.37	46281	82.10	**689**	90	0.16	53037	94.08
596	262	0.46	34323	60.88	**643**	201	0.36	46482	82.45	**690**	87	0.15	53124	94.23
597	309	0.55	34632	61.43	**644**	210	0.37	46692	82.83	**691**	86	0.15	53210	94.39
598	309	0.55	34941	61.98	**645**	202	0.36	46894	83.18	**692**	67	0.12	53277	94.51
599	299	0.53	35240	62.51	**646**	191	0.34	47085	83.52	**693**	81	0.14	53358	94.65
600	300	0.53	35540	63.04	**647**	204	0.36	47289	83.88	**694**	71	0.13	53429	94.78
601	315	0.56	35855	63.60	**648**	176	0.31	47465	84.20	**695**	70	0.12	53499	94.90
602	272	0.48	36127	64.08	**649**	199	0.35	47664	84.55	**696**	78	0.14	53577	95.04
603	316	0.56	36443	64.65	**650**	157	0.28	47821	84.83	**697**	64	0.11	53641	95.15
604	276	0.49	36719	65.13	**651**	162	0.29	47983	85.12	**698**	73	0.13	53714	95.28
605	287	0.51	37006	65.64	**652**	189	0.34	48172	85.45	**699**	62	0.11	53776	95.39
606	275	0.49	37281	66.13	**653**	170	0.30	48342	85.75	**700**	58	0.10	53834	95.49
607	253	0.45	37534	66.58	**654**	181	0.32	48523	86.07	**701**	57	0.10	53891	95.60

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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 %
702	76	0.13	53967	95.73	**749**	11	0.02	55605	98.64	**796**	6	0.01	56108	99.53
703	61	0.11	54028	95.84	**750**	22	0.04	55627	98.67	**797**	2	0.00	56110	99.53
704	60	0.11	54088	95.94	**751**	20	0.04	55647	98.71	**798**	8	0.01	56118	99.55
705	46	0.08	54134	96.03	**752**	21	0.04	55668	98.75	**799**	5	0.01	56123	99.55
706	55	0.10	54189	96.12	**753**	10	0.02	55678	98.77	**800**	3	0.01	56126	99.56
707	52	0.09	54241	96.22	**754**	10	0.02	55688	98.78	**801**	4	0.01	56130	99.57
708	49	0.09	54290	96.30	**755**	23	0.04	55711	98.82	**802**	8	0.01	56138	99.58
709	56	0.10	54346	96.40	**756**	19	0.03	55730	98.86	**803**	3	0.01	56141	99.59
710	46	0.08	54392	96.48	**757**	17	0.03	55747	98.89	**805**	3	0.01	56144	99.59
711	48	0.09	54440	96.57	**758**	15	0.03	55762	98.91	**806**	9	0.02	56153	99.61
712	51	0.09	54491	96.66	**759**	15	0.03	55777	98.94	**807**	4	0.01	56157	99.62
713	61	0.11	54552	96.77	**760**	7	0.01	55784	98.95	**808**	8	0.01	56165	99.63
714	46	0.08	54598	96.85	**761**	4	0.01	55788	98.96	**809**	4	0.01	56169	99.64
715	50	0.09	54648	96.94	**762**	9	0.02	55797	98.98	**810**	3	0.01	56172	99.64
716	50	0.09	54698	97.03	**763**	15	0.03	55812	99.00	**811**	6	0.01	56178	99.65
717	47	0.08	54745	97.11	**764**	40	0.07	55852	99.07	**813**	2	0.00	56180	99.66
718	49	0.09	54794	97.20	**765**	9	0.02	55861	99.09	**814**	10	0.02	56190	99.67
719	35	0.06	54829	97.26	**766**	19	0.03	55880	99.12	**815**	3	0.01	56193	99.68
720	44	0.08	54873	97.34	**767**	9	0.02	55889	99.14	**816**	1	0.00	56194	99.68
721	33	0.06	54906	97.40	**768**	13	0.02	55902	99.16	**817**	1	0.00	56195	99.68
722	36	0.06	54942	97.46	**769**	11	0.02	55913	99.18	**818**	6	0.01	56201	99.69
723	29	0.05	54971	97.51	**770**	10	0.02	55923	99.20	**819**	2	0.00	56203	99.70
724	24	0.04	54995	97.55	**771**	7	0.01	55930	99.21	**823**	3	0.01	56206	99.70
725	38	0.07	55033	97.62	**772**	11	0.02	55941	99.23	**824**	2	0.00	56208	99.71
726	35	0.06	55068	97.68	**773**	13	0.02	55954	99.25	**826**	7	0.01	56215	99.72
727	41	0.07	55109	97.76	**774**	13	0.02	55967	99.28	**827**	2	0.00	56217	99.72
728	25	0.04	55134	97.80	**775**	6	0.01	55973	99.29	**829**	7	0.01	56224	99.73
729	36	0.06	55170	97.86	**776**	8	0.01	55981	99.30	**830**	2	0.00	56226	99.74
730	30	0.05	55200	97.92	**777**	6	0.01	55987	99.31	**832**	2	0.00	56228	99.74
731	23	0.04	55223	97.96	**778**	6	0.01	55993	99.32	**835**	1	0.00	56229	99.74
732	27	0.05	55250	98.01	**779**	12	0.02	56005	99.35	**836**	5	0.01	56234	99.75
733	34	0.06	55284	98.07	**780**	11	0.02	56016	99.36	**837**	1	0.00	56235	99.75
734	24	0.04	55308	98.11	**781**	9	0.02	56025	99.38	**839**	1	0.00	56236	99.76
735	26	0.05	55334	98.16	**782**	1	0.00	56026	99.38	**840**	8	0.01	56244	99.77
736	33	0.06	55367	98.21	**783**	5	0.01	56031	99.39	**841**	3	0.01	56247	99.77
737	24	0.04	55391	98.26	**784**	6	0.01	56037	99.40	**843**	4	0.01	56251	99.78
738	33	0.06	55424	98.31	**785**	16	0.03	56053	99.43	**848**	1	0.00	56252	99.78
739	15	0.03	55439	98.34	**786**	4	0.01	56057	99.44	**849**	12	0.02	56264	99.80
740	16	0.03	55455	98.37	**787**	7	0.01	56064	99.45	**851**	1	0.00	56265	99.81
741	19	0.03	55474	98.40	**788**	5	0.01	56069	99.46	**854**	4	0.01	56269	99.81
742	16	0.03	55490	98.43	**789**	3	0.01	56072	99.46	**856**	10	0.02	56279	99.83
743	24	0.04	55514	98.47	**790**	2	0.00	56074	99.47	**862**	9	0.02	56288	99.85
744	13	0.02	55527	98.50	**791**	4	0.01	56078	99.47	**867**	8	0.01	56296	99.86
745	15	0.03	55542	98.52	**792**	7	0.01	56085	99.49	**868**	10	0.02	56306	99.88
746	18	0.03	55560	98.56	**793**	11	0.02	56096	99.51	**872**	6	0.01	56312	99.89
747	18	0.03	55578	98.59	**794**	5	0.01	56101	99.52	**891**	1	0.00	56313	99.89
748	16	0.03	55594	98.62	**795**	1	0.00	56102	99.52	**902**	3	0.01	56316	99.90

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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 %
909	23	0.04	56339	99.94
950	35	0.06	56374	100.00

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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	660	1.17	660	1.17	**417**	18	0.03	1170	2.07	**464**	60	0.11	2728	4.82
371	3	0.01	663	1.17	**418**	26	0.05	1196	2.11	**465**	43	0.08	2771	4.90
372	4	0.01	667	1.18	**419**	28	0.05	1224	2.16	**466**	47	0.08	2818	4.98
373	8	0.01	675	1.19	**420**	19	0.03	1243	2.20	**467**	63	0.11	2881	5.09
374	9	0.02	684	1.21	**421**	21	0.04	1264	2.23	**468**	65	0.11	2946	5.21
375	4	0.01	688	1.22	**422**	18	0.03	1282	2.27	**469**	57	0.10	3003	5.31
376	4	0.01	692	1.22	**423**	23	0.04	1305	2.31	**470**	66	0.12	3069	5.43
377	2	0.00	694	1.23	**424**	22	0.04	1327	2.35	**471**	55	0.10	3124	5.52
378	6	0.01	700	1.24	**425**	16	0.03	1343	2.37	**472**	69	0.12	3193	5.65
379	6	0.01	706	1.25	**426**	19	0.03	1362	2.41	**473**	56	0.10	3249	5.74
380	7	0.01	713	1.26	**427**	19	0.03	1381	2.44	**474**	65	0.11	3314	5.86
381	4	0.01	717	1.27	**428**	23	0.04	1404	2.48	**475**	69	0.12	3383	5.98
382	14	0.02	731	1.29	**429**	26	0.05	1430	2.53	**476**	72	0.13	3455	6.11
383	6	0.01	737	1.30	**430**	20	0.04	1450	2.56	**477**	76	0.13	3531	6.24
384	10	0.02	747	1.32	**431**	23	0.04	1473	2.60	**478**	61	0.11	3592	6.35
385	6	0.01	753	1.33	**432**	21	0.04	1494	2.64	**479**	67	0.12	3659	6.47
386	7	0.01	760	1.34	**433**	39	0.07	1533	2.71	**480**	94	0.17	3753	6.64
387	8	0.01	768	1.36	**434**	29	0.05	1562	2.76	**481**	78	0.14	3831	6.77
388	11	0.02	779	1.38	**435**	28	0.05	1590	2.81	**482**	70	0.12	3901	6.90
389	7	0.01	786	1.39	**436**	26	0.05	1616	2.86	**483**	74	0.13	3975	7.03
390	8	0.01	794	1.40	**437**	35	0.06	1651	2.92	**484**	81	0.14	4056	7.17
391	8	0.01	802	1.42	**438**	28	0.05	1679	2.97	**485**	76	0.13	4132	7.31
392	11	0.02	813	1.44	**439**	30	0.05	1709	3.02	**486**	71	0.13	4203	7.43
393	12	0.02	825	1.46	**440**	34	0.06	1743	3.08	**487**	75	0.13	4278	7.56
394	13	0.02	838	1.48	**441**	40	0.07	1783	3.15	**488**	82	0.14	4360	7.71
395	11	0.02	849	1.50	**442**	31	0.05	1814	3.21	**489**	88	0.16	4448	7.86
396	12	0.02	861	1.52	**443**	20	0.04	1834	3.24	**490**	91	0.16	4539	8.03
397	8	0.01	869	1.54	**444**	29	0.05	1863	3.29	**491**	83	0.15	4622	8.17
398	12	0.02	881	1.56	**445**	44	0.08	1907	3.37	**492**	86	0.15	4708	8.32
399	6	0.01	887	1.57	**446**	32	0.06	1939	3.43	**493**	88	0.16	4796	8.48
400	14	0.02	901	1.59	**447**	31	0.05	1970	3.48	**494**	86	0.15	4882	8.63
401	15	0.03	916	1.62	**448**	33	0.06	2003	3.54	**495**	87	0.15	4969	8.79
402	18	0.03	934	1.65	**449**	47	0.08	2050	3.62	**496**	109	0.19	5078	8.98
403	14	0.02	948	1.68	**450**	28	0.05	2078	3.67	**497**	109	0.19	5187	9.17
404	10	0.02	958	1.69	**451**	44	0.08	2122	3.75	**498**	115	0.20	5302	9.37
405	12	0.02	970	1.72	**452**	41	0.07	2163	3.82	**499**	101	0.18	5403	9.55
406	19	0.03	989	1.75	**453**	44	0.08	2207	3.90	**500**	114	0.20	5517	9.75
407	13	0.02	1002	1.77	**454**	51	0.09	2258	3.99	**501**	126	0.22	5643	9.98
408	22	0.04	1024	1.81	**455**	50	0.09	2308	4.08	**502**	107	0.19	5750	10.17
409	20	0.04	1044	1.85	**456**	39	0.07	2347	4.15	**503**	109	0.19	5859	10.36
410	8	0.01	1052	1.86	**457**	47	0.08	2394	4.23	**504**	110	0.19	5969	10.55
411	14	0.02	1066	1.88	**458**	42	0.07	2436	4.31	**505**	121	0.21	6090	10.77
412	17	0.03	1083	1.91	**459**	42	0.07	2478	4.38	**506**	115	0.20	6205	10.97
413	29	0.05	1112	1.97	**460**	48	0.08	2526	4.47	**507**	148	0.26	6353	11.23
414	9	0.02	1121	1.98	**461**	54	0.10	2580	4.56	**508**	129	0.23	6482	11.46
415	17	0.03	1138	2.01	**462**	43	0.08	2623	4.64	**509**	125	0.22	6607	11.68
416	14	0.02	1152	2.04	**463**	45	0.08	2668	4.72	**510**	129	0.23	6736	11.91

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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	124	0.22	6860	12.13	**558**	229	0.40	15433	27.29	**605**	349	0.62	30239	53.47
512	139	0.25	6999	12.38	**559**	239	0.42	15672	27.71	**606**	332	0.59	30571	54.05
513	134	0.24	7133	12.61	**560**	238	0.42	15910	28.13	**607**	339	0.60	30910	54.65
514	144	0.25	7277	12.87	**561**	244	0.43	16154	28.56	**608**	346	0.61	31256	55.26
515	136	0.24	7413	13.11	**562**	266	0.47	16420	29.03	**609**	337	0.60	31593	55.86
516	120	0.21	7533	13.32	**563**	260	0.46	16680	29.49	**610**	362	0.64	31955	56.50
517	129	0.23	7662	13.55	**564**	260	0.46	16940	29.95	**611**	386	0.68	32341	57.18
518	135	0.24	7797	13.79	**565**	270	0.48	17210	30.43	**612**	362	0.64	32703	57.82
519	141	0.25	7938	14.04	**566**	297	0.53	17507	30.95	**613**	365	0.65	33068	58.47
520	146	0.26	8084	14.29	**567**	264	0.47	17771	31.42	**614**	348	0.62	33416	59.08
521	152	0.27	8236	14.56	**568**	267	0.47	18038	31.89	**615**	391	0.69	33807	59.78
522	161	0.28	8397	14.85	**569**	286	0.51	18324	32.40	**616**	395	0.70	34202	60.47
523	149	0.26	8546	15.11	**570**	289	0.51	18613	32.91	**617**	349	0.62	34551	61.09
524	133	0.24	8679	15.35	**571**	293	0.52	18906	33.43	**618**	349	0.62	34900	61.71
525	132	0.23	8811	15.58	**572**	294	0.52	19200	33.95	**619**	375	0.66	35275	62.37
526	167	0.30	8978	15.87	**573**	313	0.55	19513	34.50	**620**	339	0.60	35614	62.97
527	139	0.25	9117	16.12	**574**	301	0.53	19814	35.03	**621**	353	0.62	35967	63.59
528	164	0.29	9281	16.41	**575**	318	0.56	20132	35.60	**622**	344	0.61	36311	64.20
529	173	0.31	9454	16.72	**576**	304	0.54	20436	36.13	**623**	352	0.62	36663	64.82
530	175	0.31	9629	17.03	**577**	290	0.51	20726	36.65	**624**	357	0.63	37020	65.46
531	176	0.31	9805	17.34	**578**	301	0.53	21027	37.18	**625**	315	0.56	37335	66.01
532	178	0.31	9983	17.65	**579**	325	0.57	21352	37.75	**626**	339	0.60	37674	66.61
533	184	0.33	10167	17.98	**580**	300	0.53	21652	38.28	**627**	337	0.60	38011	67.21
534	159	0.28	10326	18.26	**581**	337	0.60	21989	38.88	**628**	321	0.57	38332	67.78
535	184	0.33	10510	18.58	**582**	315	0.56	22304	39.44	**629**	369	0.65	38701	68.43
536	203	0.36	10713	18.94	**583**	310	0.55	22614	39.98	**630**	319	0.56	39020	68.99
537	194	0.34	10907	19.28	**584**	303	0.54	22917	40.52	**631**	306	0.54	39326	69.53
538	181	0.32	11088	19.61	**585**	338	0.60	23255	41.12	**632**	317	0.56	39643	70.09
539	204	0.36	11292	19.97	**586**	333	0.59	23588	41.71	**633**	313	0.55	39956	70.65
540	208	0.37	11500	20.33	**587**	338	0.60	23926	42.30	**634**	320	0.57	40276	71.21
541	171	0.30	11671	20.64	**588**	369	0.65	24295	42.96	**635**	305	0.54	40581	71.75
542	208	0.37	11879	21.00	**589**	348	0.62	24643	43.57	**636**	365	0.65	40946	72.40
543	217	0.38	12096	21.39	**590**	359	0.63	25002	44.21	**637**	312	0.55	41258	72.95
544	189	0.33	12285	21.72	**591**	353	0.62	25355	44.83	**638**	338	0.60	41596	73.55
545	207	0.37	12492	22.09	**592**	340	0.60	25695	45.43	**639**	331	0.59	41927	74.13
546	218	0.39	12710	22.47	**593**	353	0.62	26048	46.06	**640**	321	0.57	42248	74.70
547	204	0.36	12914	22.83	**594**	330	0.58	26378	46.64	**641**	304	0.54	42552	75.24
548	210	0.37	13124	23.20	**595**	340	0.60	26718	47.24	**642**	328	0.58	42880	75.82
549	233	0.41	13357	23.62	**596**	351	0.62	27069	47.86	**643**	270	0.48	43150	76.29
550	230	0.41	13587	24.02	**597**	349	0.62	27418	48.48	**644**	287	0.51	43437	76.80
551	226	0.40	13813	24.42	**598**	354	0.63	27772	49.10	**645**	299	0.53	43736	77.33
552	232	0.41	14045	24.83	**599**	350	0.62	28122	49.72	**646**	250	0.44	43986	77.77
553	226	0.40	14271	25.23	**600**	354	0.63	28476	50.35	**647**	285	0.50	44271	78.28
554	233	0.41	14504	25.64	**601**	336	0.59	28812	50.94	**648**	280	0.50	44551	78.77
555	232	0.41	14736	26.06	**602**	353	0.62	29165	51.57	**649**	251	0.44	44802	79.22
556	244	0.43	14980	26.49	**603**	373	0.66	29538	52.23	**650**	287	0.51	45089	79.72
557	224	0.40	15204	26.88	**604**	352	0.62	29890	52.85	**651**	242	0.43	45331	80.15

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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	263	0.47	45594	80.62	**699**	101	0.18	53866	95.24	**746**	13	0.02	56200	99.37
653	248	0.44	45842	81.05	**700**	103	0.18	53969	95.42	**747**	27	0.05	56227	99.42
654	262	0.46	46104	81.52	**701**	95	0.17	54064	95.59	**748**	16	0.03	56243	99.44
655	223	0.39	46327	81.91	**702**	94	0.17	54158	95.76	**749**	13	0.02	56256	99.47
656	260	0.46	46587	82.37	**703**	95	0.17	54253	95.93	**750**	17	0.03	56273	99.50
657	240	0.42	46827	82.80	**704**	79	0.14	54332	96.07	**751**	11	0.02	56284	99.52
658	229	0.40	47056	83.20	**705**	81	0.14	54413	96.21	**752**	11	0.02	56295	99.54
659	220	0.39	47276	83.59	**706**	89	0.16	54502	96.37	**753**	9	0.02	56304	99.55
660	212	0.37	47488	83.96	**707**	76	0.13	54578	96.50	**754**	10	0.02	56314	99.57
661	219	0.39	47707	84.35	**708**	77	0.14	54655	96.64	**755**	13	0.02	56327	99.59
662	215	0.38	47922	84.73	**709**	85	0.15	54740	96.79	**756**	14	0.02	56341	99.62
663	227	0.40	48149	85.13	**710**	72	0.13	54812	96.91	**757**	7	0.01	56348	99.63
664	225	0.40	48374	85.53	**711**	71	0.13	54883	97.04	**758**	8	0.01	56356	99.64
665	232	0.41	48606	85.94	**712**	59	0.10	54942	97.14	**759**	12	0.02	56368	99.67
666	233	0.41	48839	86.35	**713**	67	0.12	55009	97.26	**760**	11	0.02	56379	99.69
667	187	0.33	49026	86.68	**714**	65	0.11	55074	97.38	**761**	9	0.02	56388	99.70
668	199	0.35	49225	87.04	**715**	70	0.12	55144	97.50	**762**	6	0.01	56394	99.71
669	226	0.40	49451	87.44	**716**	49	0.09	55193	97.59	**763**	7	0.01	56401	99.72
670	199	0.35	49650	87.79	**717**	54	0.10	55247	97.68	**764**	3	0.01	56404	99.73
671	195	0.34	49845	88.13	**718**	75	0.13	55322	97.82	**765**	9	0.02	56413	99.75
672	175	0.31	50020	88.44	**719**	54	0.10	55376	97.91	**766**	10	0.02	56423	99.76
673	179	0.32	50199	88.76	**720**	51	0.09	55427	98.00	**767**	6	0.01	56429	99.77
674	170	0.30	50369	89.06	**721**	54	0.10	55481	98.10	**768**	4	0.01	56433	99.78
675	182	0.32	50551	89.38	**722**	44	0.08	55525	98.18	**769**	6	0.01	56439	99.79
676	175	0.31	50726	89.69	**723**	36	0.06	55561	98.24	**770**	7	0.01	56446	99.80
677	180	0.32	50906	90.01	**724**	52	0.09	55613	98.33	**771**	3	0.01	56449	99.81
678	156	0.28	51062	90.28	**725**	44	0.08	55657	98.41	**772**	9	0.02	56458	99.82
679	165	0.29	51227	90.58	**726**	36	0.06	55693	98.47	**773**	2	0.00	56460	99.83
680	189	0.33	51416	90.91	**727**	37	0.07	55730	98.54	**774**	3	0.01	56463	99.83
681	166	0.29	51582	91.20	**728**	40	0.07	55770	98.61	**775**	3	0.01	56466	99.84
682	164	0.29	51746	91.49	**729**	41	0.07	55811	98.68	**776**	3	0.01	56469	99.84
683	152	0.27	51898	91.76	**730**	30	0.05	55841	98.73	**777**	1	0.00	56470	99.85
684	155	0.27	52053	92.04	**731**	28	0.05	55869	98.78	**778**	4	0.01	56474	99.85
685	157	0.28	52210	92.31	**732**	22	0.04	55891	98.82	**779**	1	0.00	56475	99.86
686	136	0.24	52346	92.55	**733**	23	0.04	55914	98.86	**780**	2	0.00	56477	99.86
687	120	0.21	52466	92.77	**734**	29	0.05	55943	98.91	**781**	4	0.01	56481	99.87
688	110	0.19	52576	92.96	**735**	27	0.05	55970	98.96	**782**	5	0.01	56486	99.87
689	145	0.26	52721	93.22	**736**	33	0.06	56003	99.02	**783**	2	0.00	56488	99.88
690	110	0.19	52831	93.41	**737**	20	0.04	56023	99.06	**785**	6	0.01	56494	99.89
691	134	0.24	52965	93.65	**738**	27	0.05	56050	99.10	**786**	7	0.01	56501	99.90
692	122	0.22	53087	93.86	**739**	21	0.04	56071	99.14	**787**	1	0.00	56502	99.90
693	116	0.21	53203	94.07	**740**	23	0.04	56094	99.18	**788**	4	0.01	56506	99.91
694	118	0.21	53321	94.28	**741**	17	0.03	56111	99.21	**789**	2	0.00	56508	99.91
695	106	0.19	53427	94.47	**742**	19	0.03	56130	99.25	**790**	4	0.01	56512	99.92
696	126	0.22	53553	94.69	**743**	13	0.02	56143	99.27	**791**	1	0.00	56513	99.92
697	108	0.19	53661	94.88	**744**	29	0.05	56172	99.32	**792**	1	0.00	56514	99.92
698	104	0.18	53765	95.06	**745**	15	0.03	56187	99.35	**793**	1	0.00	56515	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 %
794	3	0.01	56518	99.93
795	3	0.01	56521	99.94
796	3	0.01	56524	99.94
799	3	0.01	56527	99.95
800	2	0.00	56529	99.95
802	1	0.00	56530	99.95
805	4	0.01	56534	99.96
806	2	0.00	56536	99.96
807	1	0.00	56537	99.96
808	1	0.00	56538	99.97
809	5	0.01	56543	99.98
810	1	0.00	56544	99.98
811	2	0.00	56546	99.98
814	1	0.00	56547	99.98
815	2	0.00	56549	99.99
817	1	0.00	56550	99.99
818	2	0.00	56552	99.99
820	1	0.00	56553	99.99
831	1	0.00	56554	99.99
842	1	0.00	56555	100.00
857	1	0.00	56556	100.00
870	1	0.00	56557	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	643	1.14	643	1.14	**347**	26	0.05	1378	2.44	**394**	70	0.12	3496	6.19
301	9	0.02	652	1.15	**348**	32	0.06	1410	2.49	**395**	61	0.11	3557	6.29
302	5	0.01	657	1.16	**349**	27	0.05	1437	2.54	**396**	73	0.13	3630	6.42
303	7	0.01	664	1.17	**350**	25	0.04	1462	2.59	**397**	72	0.13	3702	6.55
304	11	0.02	675	1.19	**351**	24	0.04	1486	2.63	**398**	84	0.15	3786	6.70
305	10	0.02	685	1.21	**352**	25	0.04	1511	2.67	**399**	78	0.14	3864	6.84
306	12	0.02	697	1.23	**353**	29	0.05	1540	2.72	**400**	83	0.15	3947	6.98
307	14	0.02	711	1.26	**354**	29	0.05	1569	2.78	**401**	72	0.13	4019	7.11
308	8	0.01	719	1.27	**355**	31	0.05	1600	2.83	**402**	79	0.14	4098	7.25
309	9	0.02	728	1.29	**356**	31	0.05	1631	2.89	**403**	84	0.15	4182	7.40
310	11	0.02	739	1.31	**357**	34	0.06	1665	2.95	**404**	99	0.18	4281	7.57
311	8	0.01	747	1.32	**358**	30	0.05	1695	3.00	**405**	81	0.14	4362	7.72
312	11	0.02	758	1.34	**359**	33	0.06	1728	3.06	**406**	84	0.15	4446	7.87
313	8	0.01	766	1.36	**360**	22	0.04	1750	3.10	**407**	92	0.16	4538	8.03
314	11	0.02	777	1.37	**361**	41	0.07	1791	3.17	**408**	93	0.16	4631	8.19
315	12	0.02	789	1.40	**362**	30	0.05	1821	3.22	**409**	114	0.20	4745	8.40
316	12	0.02	801	1.42	**363**	38	0.07	1859	3.29	**410**	84	0.15	4829	8.54
317	7	0.01	808	1.43	**364**	34	0.06	1893	3.35	**411**	120	0.21	4949	8.76
318	11	0.02	819	1.45	**365**	44	0.08	1937	3.43	**412**	112	0.20	5061	8.95
319	12	0.02	831	1.47	**366**	34	0.06	1971	3.49	**413**	107	0.19	5168	9.14
320	16	0.03	847	1.50	**367**	43	0.08	2014	3.56	**414**	123	0.22	5291	9.36
321	9	0.02	856	1.51	**368**	43	0.08	2057	3.64	**415**	104	0.18	5395	9.55
322	14	0.02	870	1.54	**369**	44	0.08	2101	3.72	**416**	110	0.19	5505	9.74
323	11	0.02	881	1.56	**370**	44	0.08	2145	3.80	**417**	115	0.20	5620	9.94
324	13	0.02	894	1.58	**371**	43	0.08	2188	3.87	**418**	114	0.20	5734	10.15
325	14	0.02	908	1.61	**372**	39	0.07	2227	3.94	**419**	142	0.25	5876	10.40
326	14	0.02	922	1.63	**373**	46	0.08	2273	4.02	**420**	137	0.24	6013	10.64
327	16	0.03	938	1.66	**374**	54	0.10	2327	4.12	**421**	126	0.22	6139	10.86
328	19	0.03	957	1.69	**375**	44	0.08	2371	4.20	**422**	119	0.21	6258	11.07
329	18	0.03	975	1.73	**376**	62	0.11	2433	4.30	**423**	128	0.23	6386	11.30
330	13	0.02	988	1.75	**377**	59	0.10	2492	4.41	**424**	153	0.27	6539	11.57
331	16	0.03	1004	1.78	**378**	56	0.10	2548	4.51	**425**	134	0.24	6673	11.81
332	21	0.04	1025	1.81	**379**	50	0.09	2598	4.60	**426**	117	0.21	6790	12.01
333	23	0.04	1048	1.85	**380**	43	0.08	2641	4.67	**427**	129	0.23	6919	12.24
334	19	0.03	1067	1.89	**381**	56	0.10	2697	4.77	**428**	150	0.27	7069	12.51
335	18	0.03	1085	1.92	**382**	55	0.10	2752	4.87	**429**	146	0.26	7215	12.77
336	18	0.03	1103	1.95	**383**	52	0.09	2804	4.96	**430**	127	0.22	7342	12.99
337	25	0.04	1128	2.00	**384**	55	0.10	2859	5.06	**431**	144	0.25	7486	13.25
338	16	0.03	1144	2.02	**385**	54	0.10	2913	5.15	**432**	151	0.27	7637	13.51
339	23	0.04	1167	2.06	**386**	70	0.12	2983	5.28	**433**	149	0.26	7786	13.78
340	27	0.05	1194	2.11	**387**	55	0.10	3038	5.38	**434**	156	0.28	7942	14.05
341	29	0.05	1223	2.16	**388**	68	0.12	3106	5.50	**435**	159	0.28	8101	14.33
342	20	0.04	1243	2.20	**389**	57	0.10	3163	5.60	**436**	157	0.28	8258	14.61
343	24	0.04	1267	2.24	**390**	71	0.13	3234	5.72	**437**	160	0.28	8418	14.89
344	28	0.05	1295	2.29	**391**	59	0.10	3293	5.83	**438**	151	0.27	8569	15.16
345	26	0.05	1321	2.34	**392**	68	0.12	3361	5.95	**439**	158	0.28	8727	15.44
346	31	0.05	1352	2.39	**393**	65	0.12	3426	6.06	**440**	174	0.31	8901	15.75

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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	170	0.30	9071	16.05	**488**	339	0.60	21208	37.52	**535**	385	0.68	39586	70.04
442	156	0.28	9227	16.33	**489**	338	0.60	21546	38.12	**536**	401	0.71	39987	70.75
443	184	0.33	9411	16.65	**490**	384	0.68	21930	38.80	**537**	370	0.65	40357	71.41
444	210	0.37	9621	17.02	**491**	325	0.58	22255	39.38	**538**	404	0.71	40761	72.12
445	226	0.40	9847	17.42	**492**	336	0.59	22591	39.97	**539**	377	0.67	41138	72.79
446	197	0.35	10044	17.77	**493**	374	0.66	22965	40.63	**540**	353	0.62	41491	73.41
447	191	0.34	10235	18.11	**494**	379	0.67	23344	41.30	**541**	376	0.67	41867	74.08
448	234	0.41	10469	18.52	**495**	371	0.66	23715	41.96	**542**	368	0.65	42235	74.73
449	188	0.33	10657	18.86	**496**	366	0.65	24081	42.61	**543**	387	0.68	42622	75.41
450	201	0.36	10858	19.21	**497**	353	0.62	24434	43.23	**544**	354	0.63	42976	76.04
451	215	0.38	11073	19.59	**498**	411	0.73	24845	43.96	**545**	321	0.57	43297	76.61
452	204	0.36	11277	19.95	**499**	393	0.70	25238	44.66	**546**	399	0.71	43696	77.31
453	214	0.38	11491	20.33	**500**	382	0.68	25620	45.33	**547**	348	0.62	44044	77.93
454	232	0.41	11723	20.74	**501**	399	0.71	26019	46.04	**548**	311	0.55	44355	78.48
455	210	0.37	11933	21.11	**502**	377	0.67	26396	46.70	**549**	331	0.59	44686	79.07
456	219	0.39	12152	21.50	**503**	403	0.71	26799	47.42	**550**	323	0.57	45009	79.64
457	236	0.42	12388	21.92	**504**	391	0.69	27190	48.11	**551**	329	0.58	45338	80.22
458	244	0.43	12632	22.35	**505**	389	0.69	27579	48.80	**552**	317	0.56	45655	80.78
459	232	0.41	12864	22.76	**506**	423	0.75	28002	49.55	**553**	320	0.57	45975	81.35
460	234	0.41	13098	23.18	**507**	389	0.69	28391	50.23	**554**	305	0.54	46280	81.89
461	243	0.43	13341	23.61	**508**	392	0.69	28783	50.93	**555**	296	0.52	46576	82.41
462	247	0.44	13588	24.04	**509**	408	0.72	29191	51.65	**556**	301	0.53	46877	82.94
463	287	0.51	13875	24.55	**510**	381	0.67	29572	52.32	**557**	331	0.59	47208	83.53
464	233	0.41	14108	24.96	**511**	390	0.69	29962	53.01	**558**	279	0.49	47487	84.02
465	235	0.42	14343	25.38	**512**	386	0.68	30348	53.70	**559**	291	0.51	47778	84.54
466	287	0.51	14630	25.89	**513**	418	0.74	30766	54.44	**560**	281	0.50	48059	85.03
467	270	0.48	14900	26.36	**514**	398	0.70	31164	55.14	**561**	312	0.55	48371	85.59
468	263	0.47	15163	26.83	**515**	411	0.73	31575	55.87	**562**	247	0.44	48618	86.02
469	251	0.44	15414	27.27	**516**	423	0.75	31998	56.62	**563**	258	0.46	48876	86.48
470	300	0.53	15714	27.80	**517**	425	0.75	32423	57.37	**564**	277	0.49	49153	86.97
471	270	0.48	15984	28.28	**518**	401	0.71	32824	58.08	**565**	267	0.47	49420	87.44
472	290	0.51	16274	28.79	**519**	395	0.70	33219	58.78	**566**	273	0.48	49693	87.93
473	305	0.54	16579	29.33	**520**	402	0.71	33621	59.49	**567**	263	0.47	49956	88.39
474	294	0.52	16873	29.85	**521**	422	0.75	34043	60.23	**568**	254	0.45	50210	88.84
475	285	0.50	17158	30.36	**522**	418	0.74	34461	60.97	**569**	260	0.46	50470	89.30
476	283	0.50	17441	30.86	**523**	377	0.67	34838	61.64	**570**	223	0.39	50693	89.70
477	320	0.57	17761	31.43	**524**	378	0.67	35216	62.31	**571**	207	0.37	50900	90.06
478	312	0.55	18073	31.98	**525**	427	0.76	35643	63.07	**572**	209	0.37	51109	90.43
479	318	0.56	18391	32.54	**526**	422	0.75	36065	63.81	**573**	211	0.37	51320	90.80
480	313	0.55	18704	33.09	**527**	408	0.72	36473	64.53	**574**	188	0.33	51508	91.14
481	271	0.48	18975	33.57	**528**	396	0.70	36869	65.24	**575**	197	0.35	51705	91.49
482	308	0.54	19283	34.12	**529**	377	0.67	37246	65.90	**576**	207	0.37	51912	91.85
483	311	0.55	19594	34.67	**530**	419	0.74	37665	66.64	**577**	177	0.31	52089	92.17
484	313	0.55	19907	35.22	**531**	382	0.68	38047	67.32	**578**	180	0.32	52269	92.48
485	331	0.59	20238	35.81	**532**	382	0.68	38429	68.00	**579**	179	0.32	52448	92.80
486	335	0.59	20573	36.40	**533**	360	0.64	38789	68.63	**580**	183	0.32	52631	93.12
487	296	0.52	20869	36.93	**534**	412	0.73	39201	69.36	**581**	196	0.35	52827	93.47

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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 %
582	169	0.30	52996	93.77	**629**	22	0.04	56269	99.56	**692**	1	0.00	56517	100.00
583	149	0.26	53145	94.03	**630**	13	0.02	56282	99.58					
584	159	0.28	53304	94.31	**631**	10	0.02	56292	99.60					
585	144	0.25	53448	94.57	**632**	4	0.01	56296	99.61					
586	132	0.23	53580	94.80	**633**	15	0.03	56311	99.64					
587	130	0.23	53710	95.03	**634**	17	0.03	56328	99.67					
588	123	0.22	53833	95.25	**635**	16	0.03	56344	99.69					
589	137	0.24	53970	95.49	**636**	14	0.02	56358	99.72					
590	99	0.18	54069	95.67	**637**	11	0.02	56369	99.74					
591	101	0.18	54170	95.85	**638**	12	0.02	56381	99.76					
592	113	0.20	54283	96.05	**639**	6	0.01	56387	99.77					
593	96	0.17	54379	96.22	**640**	8	0.01	56395	99.78					
594	125	0.22	54504	96.44	**641**	9	0.02	56404	99.80					
595	105	0.19	54609	96.62	**642**	8	0.01	56412	99.81					
596	103	0.18	54712	96.81	**643**	8	0.01	56420	99.83					
597	97	0.17	54809	96.98	**644**	13	0.02	56433	99.85					
598	87	0.15	54896	97.13	**645**	7	0.01	56440	99.86					
599	88	0.16	54984	97.29	**646**	5	0.01	56445	99.87					
600	92	0.16	55076	97.45	**647**	6	0.01	56451	99.88					
601	75	0.13	55151	97.58	**648**	12	0.02	56463	99.90					
602	67	0.12	55218	97.70	**649**	1	0.00	56464	99.91					
603	78	0.14	55296	97.84	**650**	4	0.01	56468	99.91					
604	69	0.12	55365	97.96	**651**	2	0.00	56470	99.92					
605	60	0.11	55425	98.07	**652**	2	0.00	56472	99.92					
606	53	0.09	55478	98.16	**653**	5	0.01	56477	99.93					
607	71	0.13	55549	98.29	**654**	2	0.00	56479	99.93					
608	53	0.09	55602	98.38	**655**	1	0.00	56480	99.93					
609	37	0.07	55639	98.45	**657**	4	0.01	56484	99.94					
610	60	0.11	55699	98.55	**658**	1	0.00	56485	99.94					
611	34	0.06	55733	98.61	**659**	1	0.00	56486	99.95					
612	45	0.08	55778	98.69	**660**	3	0.01	56489	99.95					
613	47	0.08	55825	98.78	**661**	4	0.01	56493	99.96					
614	37	0.07	55862	98.84	**662**	2	0.00	56495	99.96					
615	30	0.05	55892	98.89	**663**	2	0.00	56497	99.96					
616	43	0.08	55935	98.97	**664**	2	0.00	56499	99.97					
617	35	0.06	55970	99.03	**665**	3	0.01	56502	99.97					
618	26	0.05	55996	99.08	**666**	1	0.00	56503	99.98					
619	26	0.05	56022	99.12	**667**	1	0.00	56504	99.98					
620	25	0.04	56047	99.17	**668**	3	0.01	56507	99.98					
621	30	0.05	56077	99.22	**671**	1	0.00	56508	99.98					
622	25	0.04	56102	99.27	**673**	1	0.00	56509	99.99					
623	36	0.06	56138	99.33	**674**	1	0.00	56510	99.99					
624	28	0.05	56166	99.38	**675**	2	0.00	56512	99.99					
625	14	0.02	56180	99.40	**680**	1	0.00	56513	99.99					
626	24	0.04	56204	99.45	**681**	1	0.00	56514	99.99					
627	22	0.04	56226	99.49	**683**	1	0.00	56515	100.00					
628	21	0.04	56247	99.52	**691**	1	0.00	56516	100.00					

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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	562.9	566.3	555.8	593.5	562.9
SD	74.54	87.98	101.15	127.89	74.54
N	63109	63109	63109	63109	63109
CS 1		0.889	0.853	0.749	1.000
SA 1/4			0.685	0.580	0.889
SA 2				0.586	0.853
SA 3					0.749

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	518.3	519.9	518.2	518.1	518.3
SD	50.10	60.29	64.71	66.21	50.10
N	1189	1189	1189	1189	1189
CS 1		0.921	0.807	0.769	1.000
SA 1/4			0.647	0.633	0.921
SA 2				0.601	0.807
SA 3					0.769

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	587.7	582.8	589.9	589.3	587.5	582.2	624.0	586.6
SD	69.15	95.44	102.66	89.45	72.32	86.82	139.95	63.38
N	62918	62918	62918	62918	62918	62918	62918	62918
CS 1		0.742	0.678	0.717	0.849	0.850	0.707	0.936
CS 4			0.596	0.650	0.778	0.830	0.501	0.825
CS 5				0.585	0.645	0.633	0.523	0.767
CS 6					0.851	0.696	0.506	0.812
SA 1/4						0.766	0.551	0.915
SA 2							0.532	0.876
SA 3								0.666

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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	514.5	505.5	511.7	509.1	510.7	505.7	525.3	515.3
SD	60.37	67.49	68.76	59.14	54.61	67.43	95.60	46.72
N	91	91	91	91	91	91	91	91
CS 1		0.687	0.722	0.630	0.794	0.826	0.699	0.916
CS 4			0.576	0.697	0.886	0.596	0.558	0.799
CS 5				0.629	0.665	0.728	0.606	0.844
CS 6					0.847	0.617	0.593	0.800
SA 1/4						0.649	0.606	0.888
SA 2							0.609	0.837
SA 3								0.770

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	611.7	607.7	605.2	611.2	611.0	605.8	659.1	610.7
SD	77.05	97.25	101.67	83.40	77.89	92.22	160.51	69.78
N	62327	62327	62327	62327	62327	62327	62327	62327
CS 1		0.747	0.705	0.777	0.844	0.839	0.715	0.919
CS 4			0.656	0.729	0.819	0.779	0.553	0.845
CS 5				0.667	0.690	0.678	0.534	0.795
CS 6					0.916	0.756	0.575	0.897
SA 1/4						0.752	0.596	0.934
SA 2							0.556	0.864
SA 3								0.680

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	630.0	631.2	634.5	625.2	628.7	624.8	677.5	628.9
SD	73.76	82.37	88.59	87.66	70.21	93.71	157.44	63.81
N	61782	61782	61782	61782	61782	61782	61782	61782
CS 1		0.736	0.693	0.738	0.860	0.760	0.719	0.903
CS 4			0.656	0.729	0.840	0.828	0.545	0.868
CS 5				0.653	0.707	0.646	0.529	0.813
CS 6					0.886	0.722	0.549	0.862
SA 1/4						0.748	0.594	0.942
SA 2							0.538	0.838
SA 3								0.681

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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	644.1	640.5	647.5	639.5	642.8	640.9	709.8	639.7	640.6
SD	77.96	82.53	90.30	82.85	83.56	81.78	173.81	88.59	65.67
N	60565	60565	60565	60565	60565	60565	60565	60565	60565
CS 1		0.759	0.704	0.730	0.798	0.854	0.700	0.741	0.917
CS 4			0.679	0.710	0.789	0.864	0.555	0.734	0.881
CS 5				0.659	0.668	0.686	0.511	0.653	0.821
CS 6					0.785	0.708	0.554	0.862	0.856
SA 1						0.713	0.561	0.684	0.871
SA 2							0.555	0.701	0.889
SA 3								0.522	0.672
SA 4									0.843

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	653.7	646.7	652.9	650.3	653.2	650.8	685.2	638.6	650.7
SD	69.50	80.57	85.45	72.43	78.26	72.70	137.53	104.18	60.32
N	59478	59478	59478	59478	59478	59478	59478	59478	59478
CS 1		0.753	0.701	0.759	0.772	0.831	0.766	0.675	0.922
CS 4			0.683	0.725	0.765	0.830	0.561	0.679	0.870
CS 5				0.672	0.655	0.678	0.529	0.589	0.825
CS 6					0.819	0.727	0.579	0.771	0.880
SA 1						0.693	0.567	0.596	0.853
SA 2							0.526	0.630	0.873
SA 3								0.503	0.699
SA 4									0.766

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	662.2	659.6	668.1	655.4	658.5	661.3	684.6	653.6	660.3
SD	58.32	68.83	77.11	66.21	60.76	61.66	117.60	92.64	50.17
N	59136	59136	59136	59136	59136	59136	59136	59136	59136
CS 1		0.737	0.670	0.715	0.786	0.875	0.707	0.616	0.913
CS 4			0.616	0.698	0.789	0.802	0.512	0.663	0.854
CS 5				0.598	0.628	0.626	0.531	0.522	0.784
CS 6					0.881	0.702	0.503	0.671	0.840
SA 1						0.742	0.528	0.593	0.887
SA 2							0.504	0.571	0.876
SA 3								0.454	0.661
SA 4									0.711

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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	681.0	685.4	685.5	679.9	681.3	681.9	699.5	677.4	681.7
SD	63.88	70.57	74.65	64.91	63.54	66.89	104.71	89.68	53.48
N	56306	56306	56306	56306	56306	56306	56306	56306	56306
CS 1		0.710	0.713	0.770	0.802	0.859	0.693	0.674	0.918
CS 4			0.644	0.671	0.784	0.712	0.550	0.660	0.823
CS 5				0.640	0.659	0.656	0.567	0.591	0.814
CS 6					0.881	0.822	0.498	0.656	0.881
SA 1						0.761	0.533	0.613	0.897
SA 2							0.517	0.601	0.881
SA 3								0.479	0.664
SA 4									0.734

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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	467.8	475.6	470.9	490.8	485.0	466.7
SD	57.16	70.04	62.17	96.84	98.89	49.98
N	63109	63109	63109	63109	63109	63109
CS 2		0.658	0.923	0.591	0.562	0.912
CS 3			0.624	0.829	0.789	0.858
SA 5				0.542	0.533	0.859
SA 7					0.522	0.770
SA 8						0.728

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	520.9	506.6	535.4	510.3	515.4	511.4
SD	80.45	78.95	102.73	90.97	117.59	72.09
N	1199	1199	1199	1199	1199	1199
CS 2		0.765	0.899	0.675	0.571	0.937
CS 3			0.672	0.908	0.802	0.932
SA 5				0.534	0.516	0.835
SA 7					0.569	0.836
SA 8						0.734

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	483.7	489.0	484.8	501.4	502.6	489.8	483.5
SD	54.60	64.50	63.35	97.02	92.01	98.21	50.29
N	62888	62888	62888	62888	62888	62888	62888
CS 2		0.711	0.881	0.775	0.611	0.606	0.935
CS 3			0.636	0.495	0.811	0.824	0.882
SA 5				0.515	0.546	0.553	0.827
SA 6					0.403	0.423	0.698
SA 7						0.528	0.755
SA 8							0.756

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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	490.1	500.1	488.6	468.7	502.3	480.2	496.7
SD	56.66	47.58	72.70	82.76	56.53	85.23	46.26
N	91	91	91	91	91	91	91
CS 2		0.705	0.901	0.759	0.574	0.568	0.899
CS 3			0.568	0.588	0.888	0.765	0.931
SA 5				0.526	0.508	0.482	0.778
SA 6					0.415	0.449	0.717
SA 7						0.523	0.796
SA 8							0.735

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	510.0	516.1	511.8	534.4	520.2	523.9	508.8
SD	63.88	77.55	72.80	121.08	89.44	104.71	58.16
N	62536	62536	62536	62536	62536	62536	62536
CS 2		0.701	0.894	0.736	0.688	0.640	0.930
CS 3			0.635	0.454	0.823	0.836	0.878
SA 5				0.503	0.600	0.565	0.835
SA 6					0.407	0.405	0.645
SA 7						0.600	0.818
SA 8							0.785

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	523.0	523.5	523.9	597.0	522.9	534.3	521.4
SD	69.30	69.40	75.60	175.66	81.33	97.54	61.85
N	61742	61742	61742	61742	61742	61742	61742
CS 2		0.759	0.920	0.691	0.727	0.630	0.923
CS 3			0.710	0.480	0.915	0.742	0.938
SA 5				0.491	0.667	0.563	0.857
SA 6					0.435	0.378	0.612
SA 7						0.603	0.883
SA 8							0.736

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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	560.2	564.1	561.7	574.6	582.4	566.4	558.5
SD	78.18	84.44	85.25	123.65	124.28	105.76	70.32
N	60557	60557	60557	60557	60557	60557	60557
CS 2		0.719	0.921	0.765	0.637	0.610	0.929
CS 3			0.667	0.497	0.852	0.833	0.903
SA 5				0.550	0.582	0.565	0.857
SA 6					0.420	0.420	0.680
SA 7						0.581	0.795
SA 8							0.762

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	564.9	573.2	566.9	589.3	577.6	587.0	564.4
SD	77.33	93.13	90.39	142.67	109.21	130.45	70.82
N	59307	59307	59307	59307	59307	59307	59307
CS 2		0.704	0.876	0.725	0.689	0.595	0.935
CS 3			0.603	0.450	0.847	0.812	0.872
SA 5				0.512	0.570	0.512	0.809
SA 6					0.402	0.393	0.645
SA 7						0.578	0.820
SA 8							0.739

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	565.7	574.3	565.9	592.5	582.7	588.2	565.3
SD	82.14	97.26	91.12	141.71	128.37	136.80	75.40
N	59043	59043	59043	59043	59043	59043	59043
CS 2		0.716	0.910	0.765	0.659	0.581	0.933
CS 3			0.673	0.483	0.883	0.786	0.881
SA 5				0.520	0.624	0.535	0.860
SA 6					0.425	0.409	0.677
SA 7						0.572	0.810
SA 8							0.714

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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	577.6	582.9	577.5	624.6	600.1	571.7	575.8
SD	85.17	93.87	93.53	177.49	131.55	141.98	76.90
N	56374	56374	56374	56374	56374	56374	56374
CS 2		0.716	0.916	0.764	0.634	0.528	0.935
CS 3			0.673	0.489	0.856	0.736	0.894
SA 5				0.529	0.596	0.494	0.865
SA 6					0.410	0.382	0.684
SA 7						0.514	0.786
SA 8							0.661

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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	461.6	469.0	469.2	469.1	463.7
SD	118.97	117.69	108.43	111.88	90.79
N	64430	64430	64430	64430	64430
CS 1		0.709	0.713	0.687	0.864
CS 2/3			0.712	0.705	0.885
CS 4/5				0.697	0.889
CS 6					0.858

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	498.3	506.1	504.1	503.3	505.1	500.6	508.8	551.4	495.2
SD	96.34	124.70	116.48	100.96	108.35	98.26	128.72	165.43	80.18
N	63042	63042	63042	63042	63042	63042	63042	63042	63042
CS 1		0.708	0.711	0.737	0.729	0.876	0.695	0.615	0.898
CS 2			0.674	0.682	0.688	0.711	0.975	0.566	0.832
CS 3				0.703	0.677	0.710	0.661	0.580	0.844
CS 4/5					0.701	0.737	0.670	0.765	0.880
CS 6						0.848	0.677	0.583	0.861
SA 1							0.697	0.617	0.893
SA 2								0.554	0.817
SA 3									0.720

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	520.2	521.7	520.2	520.5	529.5	522.6	526.9	526.0	518.1
SD	95.48	93.87	94.73	94.38	107.42	100.76	103.69	115.29	75.38
N	62561	62561	62561	62561	62561	62561	62561	62561	62561
CS 1		0.754	0.735	0.731	0.726	0.923	0.718	0.670	0.885
CS 2			0.751	0.735	0.723	0.721	0.938	0.692	0.895
CS 3				0.742	0.706	0.699	0.716	0.906	0.883
CS 4/5					0.696	0.705	0.698	0.676	0.877
CS 6						0.695	0.691	0.648	0.851
SA 1							0.687	0.637	0.842
SA 2								0.663	0.851
SA 3									0.807

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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	530.6	540.9	540.0	531.4	553.8	537.4	540.9	512.6	536.8
SD	107.29	93.72	90.12	91.97	121.45	103.96	94.94	128.11	73.94
N	61579	61579	61579	61579	61579	61579	61579	61579	61579
CS 1		0.706	0.697	0.702	0.662	0.895	0.698	0.594	0.849
CS 2			0.734	0.722	0.682	0.722	0.987	0.612	0.880
CS 3				0.718	0.671	0.712	0.725	0.609	0.870
CS 4/5					0.672	0.714	0.713	0.835	0.874
CS 6						0.755	0.673	0.577	0.813
SA 1							0.714	0.604	0.864
SA 2								0.605	0.868
SA 3									0.744

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	561.4	561.0	559.2	550.4	548.4	548.5	561.1
SD	83.81	92.98	95.95	103.87	114.94	108.77	75.81
N	60630	60630	60630	60630	60630	60630	60630
CS 1/6		0.782	0.778	0.741	0.810	0.721	0.929
CS 2			0.744	0.707	0.636	0.687	0.891
CS 3				0.706	0.636	0.682	0.883
CS 4/5					0.616	0.958	0.849
SA 1						0.598	0.758
SA 2							0.824

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	574.2	578.1	573.9	568.9	578.9	539.0	571.4	575.8
SD	83.45	90.72	87.14	91.74	95.20	140.62	92.29	71.56
N	59543	59543	59543	59543	59543	59543	59543	59543
CS 1/6		0.757	0.763	0.754	0.740	0.744	0.747	0.909
CS 2			0.740	0.727	0.922	0.657	0.701	0.895
CS 3				0.740	0.751	0.670	0.709	0.887
CS 4/5					0.711	0.745	0.910	0.873
SA 1						0.643	0.687	0.874
SA 2							0.647	0.781
SA 3								0.840

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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	563.3	574.8	572.3	571.1	578.3	556.1	575.4
SD	102.33	84.47	87.29	84.10	91.21	112.73	73.42
N	58912	58912	58912	58912	58912	58912	58912
CS 1/6		0.714	0.677	0.705	0.676	0.807	0.811
CS 2			0.768	0.776	0.887	0.681	0.927
CS 3				0.742	0.779	0.660	0.882
CS 4/5					0.772	0.717	0.897
SA 1						0.646	0.886
SA 2							0.771

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	580.3	591.2	595.4	576.3	592.1	633.0	593.5
SD	104.84	81.01	79.85	103.31	78.31	169.26	70.79
N	56557	56557	56557	56557	56557	56557	56557
CS 1/6		0.712	0.684	0.682	0.723	0.481	0.820
CS 2			0.772	0.736	0.929	0.533	0.921
CS 3				0.712	0.836	0.670	0.898
CS 4/5					0.790	0.498	0.839
SA 1						0.546	0.944
SA 2							0.604

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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	499.8	501.5	498.7	503.1	500.5	515.5	499.0
SD	72.44	82.14	80.85	89.18	83.48	120.92	66.59
N	62594	62594	62594	62594	62594	62594	62594
CS 1/5		0.750	0.751	0.721	0.930	0.735	0.951
CS 2			0.679	0.660	0.692	0.573	0.851
CS 3				0.674	0.702	0.545	0.858
CS 4					0.670	0.538	0.820
SA 1						0.583	0.883
SA 2							0.702

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	499.8	495.6	498.8	498.6	500.9	501.9	495.3	498.1	497.2	499.5
SD	65.13	78.18	70.58	80.92	75.64	79.52	84.95	128.10	88.05	60.01
N	59446	59446	59446	59446	59446	59446	59446	59446	59446	59446
CS 1/5		0.744	0.780	0.687	0.921	0.896	0.690	0.505	0.645	0.957
CS 2			0.702	0.652	0.684	0.670	0.926	0.472	0.615	0.841
CS 3				0.676	0.716	0.701	0.654	0.644	0.636	0.879
CS 4					0.632	0.617	0.613	0.456	0.936	0.793
SA 1						0.720	0.635	0.463	0.594	0.879
SA 2							0.622	0.461	0.580	0.856
SA 3								0.446	0.578	0.782
SA 5									0.430	0.573
SA 6										0.747

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	499.5	494.4	498.9	499.9	498.9	503.4	495.0	512.1	502.2	499.6
SD	66.76	77.41	75.66	77.97	76.38	86.82	98.65	121.50	82.89	62.23
N	56517	56517	56517	56517	56517	56517	56517	56517	56517	56517
CS 1/5		0.750	0.729	0.711	0.913	0.830	0.591	0.527	0.677	0.951
CS 2			0.667	0.655	0.686	0.624	0.756	0.483	0.626	0.852
CS 3				0.661	0.655	0.608	0.537	0.740	0.632	0.836
CS 4					0.635	0.593	0.524	0.489	0.957	0.818
SA 1						0.656	0.540	0.470	0.603	0.863
SA 2							0.495	0.443	0.567	0.788
SA 4								0.404	0.503	0.675
SA 5									0.467	0.609
SA 6										0.781

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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	0.87			0.72	0.76	0.76	0.94
	5	0.85			0.73	0.75	0.77	0.94
	6	0.85			0.74	0.78	0.74	0.93
	7	0.83			0.76	0.74	0.69	0.93
	8	0.83			0.72	0.71	0.74	0.93
	9	0.81			0.73	0.73	0.71	0.92
	10	0.80			0.73	0.75	0.77	0.93
Writing	3		0.78	0.88				0.91
	4		0.81	0.87				0.91
	5		0.82	0.88				0.92
	6		0.81	0.87				0.91
	7		0.82	0.88				0.92
	8		0.82	0.87				0.91
	9		0.82	0.89				0.92
	10		0.84	0.87				0.92
Mathematics	3	0.71	0.78		0.78		0.68	0.92
	4	0.77	0.72	0.77	0.82		0.79	0.95
	5	0.78	0.78	0.77	0.74		0.79	0.94
	6	0.77	0.74	0.74	0.80		0.75	0.94
	7	0.81	0.75	0.73	0.83			0.94
	8	0.80	0.84	0.75	0.79			0.94
	9	0.74	0.83	0.74	0.79			0.94
	10	0.76	0.83	0.76	0.80			0.94
Science	5	0.86	0.69	0.72	0.66			0.93
	8	0.88	0.72	0.72	0.69			0.93
	10	0.83	0.71	0.68	0.60			0.91
Reading Spanish	3	0.87						0.87
	4	0.89			0.74	0.73	0.62	0.94
Writing Spanish	3		0.83	0.85				0.91
	4		0.77	0.81				0.88

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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	0.75	0.77	0.71					
	4	0.83	0.84	0.72					
	5	0.84	0.83	0.70					
	6	0.87	0.73	0.68					
	7	0.77	0.78	0.66	0.69				
	8	0.75	0.74	0.72	0.74				
	9	0.78	0.76	0.66	0.59				
	10	0.80	0.76	0.60	0.61				
Writing	3					0.80		0.81	0.71
	4					0.70	0.72	0.79	0.74
	5					0.71	0.72	0.81	0.82
	6					0.71	0.72	0.85	0.70
	7					0.74	0.66	0.86	0.65
	8					0.70	0.71	0.83	0.69
	9					0.74	0.75	0.87	0.67
	10					0.76	0.77	0.88	0.50
Mathematics	3								
	4	0.78	0.70	0.61					
	5	0.71	0.74	0.65					
	6	0.77	0.71	0.71					
	7	0.65	0.77						
	8	0.81	0.66	0.68					
	9	0.75	0.71						
	10	0.85	0.37						
Science	5	0.80	0.59						
	8	0.78	0.79	0.60		0.36	0.64		
	10	0.70	0.57		0.51	0.45	0.58		
Reading Spanish	3	0.80	0.65	0.61					
	4	0.86	0.78	0.69					
Writing Spanish	3					0.87		0.78	0.71
	4					0.63	0.70	0.78	0.59

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Table 223. Subgroup Reliability for the TCAP Reading Tests

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
3	**No Disability**	57340	571.83	64.84	150	795	150	795	0.87	23.08
	Disability	5769	474.56	102.00	150	795	150	735	0.90	32.64
	No IEP	57332	571.84	64.84	150	795	150	795	0.87	23.08
	IEP	5764	474.47	102.00	150	795	150	735	0.90	32.64
	No Accommodation	48725	574.81	63.64	150	795	150	795	0.87	23.21
	Accommodation	10039	492.51	88.09	150	795	150	779	0.88	30.06
	Am. Indian/AK Native	476	537.56	73.90	150	795	150	748	0.89	24.72
	Asian	2109	574.28	76.61	150	795	150	795	0.90	24.67
	Black	2919	531.82	81.66	150	795	150	756	0.89	26.78
	Hispanic	20121	533.52	76.17	150	795	150	795	0.89	25.79
	White	35224	581.32	66.44	150	795	150	795	0.87	23.66
	Hawaiian/Pacific Islander	150	564.44	60.08	150	795	398	728	0.86	22.26
	Two or More Races	2108	574.13	70.41	150	795	150	795	0.89	23.85
	Not Free Lunch Eligible	35306	585.85	63.97	150	795	150	795	0.87	23.47
	Free Lunch Eligible	23245	529.77	77.43	150	795	150	795	0.89	26.21
	Reduced Lunch Eligible	4540	554.67	70.19	150	795	150	795	0.88	24.13
	Female	31039	571.69	70.77	150	795	150	795	0.89	23.98
	Male	32066	554.48	77.09	150	795	150	795	0.90	24.91
	Language Proficiency NA	51633	572.47	70.08	150	795	150	795	0.88	23.98
	Language Proficiency NEP	2025	434.05	99.10	150	795	150	672	0.82	41.74
	Language Proficiency LEP	7974	528.55	54.67	150	795	150	779	0.83	22.39
	Language Proficiency FEP	1476	592.42	54.04	150	795	150	795	0.81	23.73
	Not Migrant Or Immigrant	62174	563.65	74.06	150	795	150	795	0.89	24.42
	Migrant	187	513.84	74.17	150	795	150	648	0.87	27.21
	Immigrant	712	515.88	94.65	150	795	150	711	0.90	29.45
	Migrant and Immigrant	22	504.73	66.01	150	795	369	611	0.88	22.95
4	**No Disability**	56810	595.21	52.82	180	940	180	940	0.93	14.44
	Disability	6103	506.81	91.60	180	940	180	720	0.94	23.15
	No IEP	56808	595.20	52.82	180	940	180	940	0.93	14.44
	IEP	6097	506.75	91.62	180	940	180	720	0.94	23.15
	No Accommodation	47064	598.45	51.24	180	940	180	940	0.92	14.46
	Accommodation	11720	530.43	79.43	180	940	180	735	0.94	20.20
	Am. Indian/AK Native	475	565.65	61.31	180	940	180	723	0.93	16.38
	Asian/Pacific Islander	2108	595.36	64.93	180	940	180	740	0.94	15.77
	Black	2886	559.04	73.76	180	940	180	715	0.94	18.32
	Hispanic	20658	561.29	65.54	180	940	180	788	0.93	16.85
	White	34659	603.26	54.85	180	940	180	889	0.93	14.95
	Hawaiian/Pacific Islander	113	581.19	55.38	180	940	399	686	0.93	14.22
	Two or More Races	2014	596.03	60.69	180	940	180	940	0.93	16.05
	Not Free Lunch Eligible	34766	607.35	52.02	180	940	180	940	0.92	14.68
	Free Lunch Eligible	23456	557.27	68.00	180	940	180	756	0.93	17.55
	Reduced Lunch Eligible	4668	579.90	56.19	180	940	180	749	0.93	15.16
	Female	30829	594.28	57.94	180	940	180	940	0.93	14.90
	Male	32083	579.28	67.39	180	940	180	841	0.94	16.51
	Language Proficiency NA	50580	595.38	58.77	180	940	180	940	0.93	15.34
	Language Proficiency NEP	1715	460.63	92.42	180	940	180	685	0.89	31.15
	Language Proficiency LEP	7998	551.36	46.41	180	940	180	702	0.90	14.90
	Language Proficiency FEP	2621	607.77	38.97	180	940	180	740	0.87	13.92
	Not Migrant Or Immigrant	62168	587.24	62.78	180	940	180	940	0.94	15.71
	Migrant	178	547.26	62.88	180	940	240	709	0.94	15.88
	Immigrant	533	533.15	94.22	180	940	180	739	0.95	21.32
	Migrant and Immigrant	22	486.05	97.22	180	940	180	609	0.94	24.70

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Table 223. Subgroup Reliability for the TCAP Reading Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
5	**No Disability**	56090	620.55	58.55	220	955	220	836	0.92	16.14
	Disability	6234	522.17	95.52	220	955	220	731	0.93	25.72
	No IEP	56085	620.55	58.55	220	955	220	836	0.92	16.14
	IEP	6233	522.13	95.51	220	955	220	731	0.93	25.72
	No Accommodation	46730	623.33	57.02	220	955	220	836	0.92	16.11
	Accommodation	11294	547.59	85.67	220	955	220	786	0.93	22.58
	Am. Indian/AK Native	521	586.27	71.99	220	955	220	739	0.93	18.52
	Asian	1995	623.95	78.08	220	955	220	805	0.94	18.62
	Black	2845	578.42	76.63	220	955	220	757	0.93	19.85
	Hispanic	20214	581.18	71.62	220	955	220	784	0.93	19.06
	White	34587	629.53	60.24	220	955	220	836	0.92	16.70
	Hawaiian/Pacific Islander	122	601.14	67.34	220	955	382	745	0.94	16.68
	Two or More Races	2040	623.05	64.01	220	955	220	783	0.93	16.93
	Not Free Lunch Eligible	34692	634.05	57.76	220	955	220	836	0.92	16.44
	Free Lunch Eligible	22846	577.21	73.50	220	955	220	777	0.93	19.64
	Reduced Lunch Eligible	4765	601.44	63.58	220	955	220	766	0.93	17.29
	Female	30735	618.54	63.39	220	955	220	836	0.93	16.64
	Male	31587	603.09	74.69	220	955	220	803	0.94	18.44
	Language Proficiency NA	50409	620.17	64.88	220	955	220	836	0.93	17.14
	Language Proficiency NEP	1095	454.04	106.10	220	955	220	732	0.88	36.83
	Language Proficiency LEP	7198	559.93	53.52	220	955	220	721	0.89	18.19
	Language Proficiency FEP	3622	627.26	45.08	220	955	220	791	0.87	15.97
	Not Migrant Or Immigrant	61564	611.48	69.01	220	955	220	836	0.94	17.56
	Migrant	167	560.86	65.87	220	955	220	704	0.91	20.17
	Immigrant	566	546.59	103.90	220	955	220	742	0.95	23.28
	Migrant and Immigrant	20	486.70	90.71	220	955	220	604	0.87	33.09
6	**No Disability**	55915	637.65	54.67	260	970	260	861	0.92	15.41
	Disability	5864	545.05	81.35	260	970	260	785	0.93	21.48
	No IEP	55915	637.65	54.67	260	970	260	861	0.92	15.41
	IEP	5860	544.93	81.43	260	970	260	785	0.93	21.50
	No Accommodation	48852	638.47	54.34	260	970	260	861	0.92	15.44
	Accommodation	8690	564.76	78.46	260	970	260	839	0.94	19.78
	Am. Indian/AK Native	520	607.60	63.35	260	970	260	748	0.94	16.18
	Asian/Pacific Islander	1922	638.43	73.00	260	970	260	820	0.94	17.56
	Black	2949	599.00	70.36	260	970	260	744	0.93	18.06
	Hispanic	20079	600.60	64.43	260	970	260	839	0.93	16.95
	White	34278	647.20	54.85	260	970	260	861	0.92	15.57
	Hawaiian/Pacific Islander	126	608.87	67.31	260	970	260	749	0.94	17.16
	Two or More Races	1907	640.16	59.36	260	970	260	810	0.93	15.84
	Not Free Lunch Eligible	34974	650.38	52.95	260	970	260	861	0.91	15.49
	Free Lunch Eligible	22093	596.85	66.19	260	970	260	793	0.93	17.35
	Reduced Lunch Eligible	4678	619.10	60.67	260	970	260	839	0.93	16.37
	Female	30110	638.03	58.86	260	970	260	861	0.93	15.73
	Male	31671	620.13	67.03	260	970	260	807	0.94	16.71
	Language Proficiency NA	50416	638.11	59.17	260	970	260	861	0.93	15.89
	Language Proficiency NEP	868	486.34	93.53	260	970	260	701	0.91	28.61
	Language Proficiency LEP	6064	568.47	50.66	260	970	260	739	0.89	16.99
	Language Proficiency FEP	4434	634.06	41.69	260	970	260	815	0.87	15.26
	Not Migrant Or Immigrant	61121	629.62	63.01	260	970	260	861	0.93	16.19
	Migrant	155	577.59	73.62	260	970	260	722	0.94	18.58
	Immigrant	480	551.02	97.11	260	970	260	732	0.95	21.89
	Migrant and Immigrant	19	544.74	65.09	260	970	408	661	0.93	17.00

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Table 223. Subgroup Reliability for the TCAP Reading Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
7	No Disability	54961	649.28	57.29	300	980	300	926	0.92	16.63
	Disability	5603	555.44	80.13	300	980	300	774	0.93	21.46
	No IEP	54964	649.28	57.29	300	980	300	926	0.92	16.63
	IEP	5597	555.42	80.16	300	980	300	774	0.93	21.46
	No Accommodation	49586	648.38	57.58	300	980	300	926	0.92	16.66
	Accommodation	6645	568.71	81.02	300	980	300	837	0.94	20.52
	Am. Indian/AK Native	507	620.17	66.71	300	980	300	781	0.93	17.23
	Asian	1860	650.95	74.79	300	980	300	823	0.94	18.03
	Black	2966	609.01	72.42	300	980	300	819	0.94	18.47
	Hispanic	19228	612.58	66.66	300	980	300	926	0.93	17.81
	White	34018	658.30	57.11	300	980	300	904	0.91	16.75
	Hawaiian/Pacific Islander	154	633.69	63.77	300	980	300	780	0.93	17.01
	Two or More Races	1830	652.82	59.78	300	980	300	838	0.92	16.85
	Not Free Lunch Eligible	35167	661.30	55.81	300	980	300	926	0.91	16.70
	Free Lunch Eligible	20792	607.73	68.34	300	980	300	814	0.93	18.17
	Reduced Lunch Eligible	4584	631.12	59.63	300	980	300	820	0.92	16.83
	Female	29691	649.35	60.95	300	980	300	868	0.92	16.81
	Male	30872	632.18	68.86	300	980	300	926	0.94	17.56
	Language Proficiency NA	50044	649.26	61.15	300	980	300	926	0.92	16.93
	Language Proficiency NEP	657	483.00	90.86	300	980	300	736	0.90	28.36
	Language Proficiency LEP	4912	571.56	54.89	300	980	300	758	0.89	18.43
	Language Proficiency FEP	4951	642.48	45.61	300	980	300	860	0.87	16.26
	Not Migrant Or Immigrant	59888	641.53	64.61	300	980	300	926	0.93	17.15
	Migrant	147	566.30	88.52	300	980	300	732	0.94	22.27
	Immigrant	511	556.47	100.10	300	980	300	782	0.95	22.17
	Migrant and Immigrant	14	509.00	96.10	300	980	300	665	0.93	24.98
8	No Disability	54222	657.84	54.17	330	990	330	898	0.92	15.80
	Disability	5256	576.45	69.74	330	990	330	809	0.92	20.35
	No IEP	54214	657.85	54.17	330	990	330	898	0.92	15.80
	IEP	5250	576.38	69.70	330	990	330	809	0.92	20.36
	No Accommodation	48875	656.74	54.65	330	990	330	898	0.92	15.83
	Accommodation	6188	591.12	71.90	330	990	330	854	0.93	19.28
	Am. Indian/AK Native	514	628.87	60.64	330	990	330	776	0.92	17.21
	Asian/Pacific Islander	1860	662.67	64.91	330	990	330	825	0.93	16.74
	Black	2980	621.12	64.48	330	990	330	805	0.92	17.79
	Hispanic	18405	623.09	59.10	330	990	330	831	0.92	16.81
	White	33849	667.39	53.61	330	990	330	898	0.91	15.88
	Hawaiian/Pacific Islander	121	643.45	57.41	330	990	392	761	0.92	16.59
	Two or More Races	1747	661.12	56.32	330	990	330	862	0.92	16.19
	Not Free Lunch Eligible	35320	669.57	52.63	330	990	330	898	0.91	15.83
	Free Lunch Eligible	19697	618.90	60.59	330	990	330	821	0.92	17.22
	Reduced Lunch Eligible	4420	640.99	54.58	330	990	330	802	0.91	16.22
	Female	29215	659.82	56.63	330	990	330	898	0.92	15.82
	Male	30259	641.79	62.42	330	990	330	853	0.93	16.67
	Language Proficiency NA	49320	658.88	56.84	330	990	330	898	0.92	16.10
	Language Proficiency NEP	557	507.79	77.40	330	990	330	688	0.84	30.71
	Language Proficiency LEP	4195	581.50	47.11	330	990	330	752	0.85	18.09
	Language Proficiency FEP	5404	643.95	41.69	330	990	330	818	0.87	14.91
	Not Migrant Or Immigrant	58795	651.49	59.56	330	990	330	898	0.93	16.27
	Migrant	169	602.08	54.08	330	990	418	749	0.91	16.34
	Immigrant	485	568.44	85.16	330	990	330	798	0.94	21.28
	Migrant and Immigrant	12	582.00	67.93	330	990	484	703	0.93	18.24

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Table 223. Subgroup Reliability for the TCAP Reading Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
9	**No Disability**	54207	665.80	45.96	350	995	350	859	0.92	13.32
	Disability	4921	599.75	54.57	350	995	350	776	0.90	16.92
	No IEP	54197	665.79	45.97	350	995	350	859	0.92	13.32
	IEP	4913	599.73	54.56	350	995	350	776	0.90	16.92
	No Accommodation	51211	662.85	47.38	350	995	350	859	0.92	13.45
	Accommodation	3586	604.46	57.91	350	995	350	794	0.92	16.54
	Am. Indian/AK Native	489	645.60	52.32	350	995	350	767	0.92	14.42
	Asian	1841	671.98	55.49	350	995	350	831	0.94	13.85
	Black	2850	637.10	52.44	350	995	350	769	0.92	14.63
	Hispanic	17840	638.11	48.83	350	995	350	813	0.92	14.13
	White	34259	672.93	45.45	350	995	350	859	0.91	13.31
	Hawaiian/Pacific Islander	151	653.83	47.36	350	995	424	745	0.91	13.87
	Two or More Races	1696	669.56	48.81	350	995	350	845	0.92	13.76
	Not Free Lunch Eligible	37060	673.74	45.55	350	995	350	859	0.91	13.32
	Free Lunch Eligible	18041	634.63	49.79	350	995	350	813	0.92	14.40
	Reduced Lunch Eligible	3975	651.76	45.50	350	995	350	823	0.91	13.54
	Female	29027	668.25	48.04	350	995	350	859	0.92	13.37
	Male	30096	652.62	50.98	350	995	350	838	0.93	13.88
	Language Proficiency NA	49524	666.38	47.83	350	995	350	859	0.92	13.50
	Language Proficiency NEP	684	553.26	58.81	350	995	350	685	0.84	23.49
	Language Proficiency LEP	3504	605.36	36.94	350	995	350	753	0.85	14.31
	Language Proficiency FEP	5417	653.74	38.25	350	995	350	823	0.88	13.21
	Not Migrant Or Immigrant	58429	660.99	49.58	350	995	350	859	0.92	13.63
	Migrant	151	616.03	46.18	350	995	468	716	0.91	13.82
	Immigrant	514	597.07	67.48	350	995	350	764	0.93	17.55
	Migrant and Immigrant	14	583.79	46.93	350	995	499	642	0.86	17.37
10	**No Disability**	51982	687.06	48.94	370	999	370	981	0.92	13.94
	Disability	4321	617.05	62.64	370	999	370	794	0.92	17.88
	No IEP	51981	687.06	48.94	370	999	370	981	0.92	13.94
	IEP	4318	616.97	62.61	370	999	370	794	0.92	17.90
	No Accommodation	49035	683.75	50.74	370	999	370	981	0.92	14.14
	Accommodation	3026	622.95	65.48	370	999	370	844	0.93	17.10
	Am. Indian/AK Native	488	667.15	49.42	370	999	370	776	0.92	13.93
	Asian/Pacific Islander	1802	690.51	58.96	370	999	370	850	0.94	14.60
	Black	2738	655.65	58.54	370	999	370	813	0.93	15.75
	Hispanic	16125	660.22	53.54	370	999	370	842	0.92	14.86
	White	33389	693.50	48.61	370	999	370	981	0.92	13.93
	Hawaiian/Pacific Islander	133	675.82	49.05	370	999	469	772	0.92	13.66
	Two or More Races	1624	690.81	52.15	370	999	370	821	0.93	14.26
	Not Free Lunch Eligible	36883	693.86	48.52	370	999	370	981	0.92	13.86
	Free Lunch Eligible	15759	655.44	55.10	370	999	370	818	0.92	15.28
	Reduced Lunch Eligible	3633	672.15	51.50	370	999	370	842	0.92	14.62
	Female	27717	691.87	48.46	370	999	370	981	0.92	13.57
	Male	28583	671.81	56.20	370	999	370	864	0.93	14.82
	Language Proficiency NA	47855	687.32	51.26	370	999	370	981	0.92	14.18
	Language Proficiency NEP	671	566.72	62.29	370	999	370	716	0.83	25.88
	Language Proficiency LEP	2919	627.12	42.09	370	999	370	759	0.87	15.17
	Language Proficiency FEP	4858	674.89	41.09	370	999	370	806	0.89	13.96
	Not Migrant Or Immigrant	55592	682.52	52.75	370	999	370	981	0.93	14.26
	Migrant	127	638.16	50.21	370	999	505	765	0.93	13.57
	Immigrant	558	610.88	71.52	370	999	370	793	0.93	18.52
	Migrant and Immigrant	16	622.19	40.81	370	999	571	702	0.90	12.81

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Table 224. Subgroup Reliability for the TCAP Writing Tests

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
3	**No Disability**	57347	472.01	46.49	150	680	150	680	0.90	15.05
	Disability	5761	413.44	52.27	150	680	150	585	0.91	15.94
	No IEP	57341	472.01	46.49	150	680	150	680	0.90	15.04
	IEP	5753	413.41	52.27	150	680	150	585	0.91	15.95
	No Accommodation	47755	475.09	44.96	150	680	150	680	0.89	15.12
	Accommodation	11168	422.90	48.28	150	680	150	680	0.90	15.33
	Am. Indian/AK Native	471	447.42	45.98	150	680	278	602	0.91	13.63
	Asian	2118	477.40	56.96	150	680	150	680	0.92	16.26
	Black	2945	446.26	52.02	150	680	150	680	0.92	14.74
	Hispanic	20079	449.21	46.14	150	680	150	680	0.91	14.14
	White	35225	477.51	48.15	150	680	150	680	0.90	15.46
	Hawaiian/Pacific Islander	149	464.37	40.29	150	680	259	555	0.89	13.62
	Two or More Races	2118	473.83	49.35	150	680	150	680	0.90	15.26
	Not Free Lunch Eligible	35352	481.25	47.42	150	680	150	680	0.89	15.71
	Free Lunch Eligible	23203	445.63	46.78	150	680	150	680	0.91	14.27
	Reduced Lunch Eligible	4531	460.64	45.56	150	680	150	680	0.90	14.53
	Female	31043	474.91	48.70	150	680	150	680	0.90	15.19
	Male	32061	458.69	49.91	150	680	150	680	0.91	14.73
	Language Proficiency NA	51651	471.66	48.98	150	680	150	680	0.91	15.09
	Language Proficiency NEP	2030	391.89	55.58	150	680	150	567	0.89	18.64
	Language Proficiency LEP	7954	449.24	34.84	150	680	210	602	0.86	13.05
	Language Proficiency FEP	1470	488.67	37.20	150	680	318	680	0.83	15.36
	Not Migrant Or Immigrant	62176	467.11	49.57	150	680	150	680	0.91	14.91
	Migrant	189	438.26	48.33	150	680	150	547	0.90	15.03
	Immigrant	706	437.77	70.14	150	680	150	680	0.94	17.21
	Migrant and Immigrant	22	412.14	80.88	150	680	150	530	0.93	21.61
4	**No Disability**	56762	489.26	47.05	190	730	190	730	0.90	15.25
	Disability	6121	429.64	47.35	190	730	190	656	0.90	15.36
	No IEP	56760	489.26	47.05	190	730	190	730	0.90	15.25
	IEP	6115	429.61	47.36	190	730	190	656	0.90	15.36
	No Accommodation	45808	492.27	45.77	190	730	190	730	0.89	15.21
	Accommodation	12886	445.09	47.45	190	730	190	730	0.90	15.11
	Am. Indian/AK Native	474	461.24	47.28	190	730	242	680	0.90	14.80
	Asian/Pacific Islander	2104	498.99	57.08	190	730	190	730	0.92	16.08
	Black	2879	462.26	50.81	190	730	190	687	0.91	15.20
	Hispanic	20648	464.22	45.77	190	730	190	730	0.90	14.54
	White	34650	495.64	48.12	190	730	190	730	0.90	15.44
	Hawaiian/Pacific Islander	113	481.13	51.11	190	730	355	678	0.91	15.47
	Two or More Races	2015	490.62	49.83	190	730	303	730	0.91	15.36
	Not Free Lunch Eligible	34748	500.23	47.32	190	730	190	730	0.89	15.67
	Free Lunch Eligible	23451	460.29	45.81	190	730	190	730	0.90	14.57
	Reduced Lunch Eligible	4661	475.04	44.57	190	730	190	687	0.89	14.54
	Female	30802	492.51	49.61	190	730	190	730	0.90	15.44
	Male	32080	474.76	49.39	190	730	190	730	0.91	14.84
	Language Proficiency NA	50553	489.16	49.21	190	730	190	730	0.90	15.28
	Language Proficiency NEP	1715	402.90	47.21	190	730	190	582	0.87	17.02
	Language Proficiency LEP	7994	457.96	34.58	190	730	272	623	0.85	13.54
	Language Proficiency FEP	2622	503.97	39.87	190	730	296	730	0.84	15.91
	Not Migrant Or Immigrant	62141	483.85	50.04	190	730	190	730	0.91	15.20
	Migrant	178	455.62	45.88	190	730	292	594	0.90	14.49
	Immigrant	530	449.91	64.39	190	730	190	620	0.94	16.36
	Migrant and Immigrant	22	422.14	47.07	190	730	348	504	0.92	13.42

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Table 224. Subgroup Reliability for the TCAP Writing Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
5	**No Disability**	56269	515.80	54.45	220	780	220	780	0.91	16.75
	Disability	6264	445.81	52.27	220	780	220	706	0.90	16.82
	No IEP	56264	515.80	54.45	220	780	220	780	0.91	16.75
	IEP	6263	445.79	52.26	220	780	220	706	0.90	16.82
	No Accommodation	45825	518.71	52.88	220	780	220	780	0.90	16.71
	Accommodation	12253	462.98	54.78	220	780	220	780	0.91	16.60
	Am. Indian/AK Native	523	486.40	55.12	220	780	314	698	0.92	16.06
	Asian	2006	528.59	67.35	220	780	242	780	0.93	18.10
	Black	2867	484.60	57.96	220	780	220	780	0.92	16.38
	Hispanic	20311	486.50	52.66	220	780	220	780	0.91	15.86
	White	34662	522.52	55.79	220	780	220	780	0.91	16.90
	Hawaiian/Pacific Islander	122	505.84	59.31	220	780	344	703	0.93	16.25
	Two or More Races	2042	517.85	58.88	220	780	233	780	0.92	17.13
	Not Free Lunch Eligible	34778	527.65	55.48	220	780	220	780	0.90	17.28
	Free Lunch Eligible	22942	482.10	52.30	220	780	220	780	0.91	15.78
	Reduced Lunch Eligible	4792	499.80	51.29	220	780	233	780	0.91	15.74
	Female	30853	519.36	57.24	220	780	220	780	0.91	17.11
	Male	31678	498.50	57.21	220	780	220	780	0.92	16.10
	Language Proficiency NA	50538	515.25	57.15	220	780	220	780	0.92	16.70
	Language Proficiency NEP	1105	405.27	60.15	220	780	220	650	0.88	20.75
	Language Proficiency LEP	7243	471.57	38.20	220	780	309	780	0.86	14.33
	Language Proficiency FEP	3647	524.54	43.82	220	780	287	780	0.85	16.87
	Not Migrant Or Immigrant	61771	509.33	57.75	220	780	220	780	0.92	16.60
	Migrant	168	470.24	51.91	220	780	220	664	0.90	16.58
	Immigrant	567	464.62	77.81	220	780	220	731	0.94	19.28
	Migrant and Immigrant	20	410.35	59.43	220	780	297	510	0.91	17.42
6	**No Disability**	55879	528.69	58.00	230	840	230	840	0.90	18.30
	Disability	5860	452.43	54.29	230	840	230	695	0.88	18.79
	No IEP	55879	528.68	58.01	230	840	230	840	0.90	18.30
	IEP	5856	452.37	54.30	230	840	230	695	0.88	18.80
	No Accommodation	48115	530.11	57.10	230	840	230	840	0.90	18.22
	Accommodation	9240	467.72	59.26	230	840	230	786	0.90	18.89
	Am. Indian/AK Native	520	496.39	56.49	230	840	283	677	0.90	17.57
	Asian/Pacific Islander	1923	538.14	74.02	230	840	230	840	0.93	20.02
	Black	2957	495.47	59.53	230	840	230	737	0.91	18.14
	Hispanic	20065	497.74	55.85	230	840	230	840	0.90	17.49
	White	34247	536.59	59.50	230	840	230	840	0.90	18.48
	Hawaiian/Pacific Islander	126	504.65	59.46	230	840	290	659	0.91	18.01
	Two or More Races	1903	530.31	60.85	230	840	244	803	0.91	18.71
	Not Free Lunch Eligible	34933	541.32	58.55	230	840	230	840	0.90	18.68
	Free Lunch Eligible	22094	492.44	55.83	230	840	230	786	0.90	17.62
	Reduced Lunch Eligible	4677	510.21	55.50	230	840	230	734	0.90	17.75
	Female	30084	534.06	59.61	230	840	230	840	0.90	18.47
	Male	31657	509.46	61.55	230	840	230	840	0.92	17.99
	Language Proficiency NA	50375	528.23	60.74	230	840	230	840	0.91	18.30
	Language Proficiency NEP	871	410.30	66.25	230	840	230	587	0.88	22.83
	Language Proficiency LEP	6064	474.64	41.88	230	840	230	653	0.85	16.42
	Language Proficiency FEP	4432	530.23	45.40	230	840	242	840	0.84	17.96
	Not Migrant Or Immigrant	61081	522.07	61.35	230	840	230	840	0.91	18.25
	Migrant	154	483.05	55.38	230	840	343	644	0.91	16.95
	Immigrant	481	456.90	83.24	230	840	230	734	0.93	21.54
	Migrant and Immigrant	19	447.58	65.77	230	840	338	585	0.92	18.75

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Table 224. Subgroup Reliability for the TCAP Writing Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
7	**No Disability**	54930	566.46	66.53	240	890	240	890	0.90	20.64
	Disability	5626	481.16	58.32	240	890	240	890	0.89	19.74
	No IEP	54933	566.46	66.54	240	890	240	890	0.90	20.64
	IEP	5620	481.17	58.33	240	890	240	890	0.89	19.74
	No Accommodation	48645	565.79	66.02	240	890	240	890	0.90	20.49
	Accommodation	7389	496.10	65.52	240	890	240	827	0.91	19.97
	Am. Indian/AK Native	506	533.39	70.84	240	890	289	890	0.92	20.01
	Asian	1857	582.28	83.72	240	890	240	890	0.93	22.54
	Black	2971	528.40	68.19	240	890	240	838	0.92	19.50
	Hispanic	19233	531.83	62.40	240	890	240	890	0.91	19.04
	White	34008	574.78	68.28	240	890	240	890	0.91	20.74
	Hawaiian/Pacific Islander	154	546.90	67.79	240	890	325	734	0.92	19.68
	Two or More Races	1826	570.21	69.92	240	890	334	890	0.91	20.98
	Not Free Lunch Eligible	35147	580.06	67.82	240	890	240	890	0.90	21.18
	Free Lunch Eligible	20801	525.24	62.05	240	890	240	890	0.91	18.92
	Reduced Lunch Eligible	4587	544.82	61.57	240	890	240	890	0.90	19.17
	Female	29681	574.91	69.11	240	890	240	890	0.91	21.33
	Male	30874	542.80	67.83	240	890	240	890	0.92	19.28
	Language Proficiency NA	50035	565.70	69.48	240	890	240	890	0.91	20.44
	Language Proficiency NEP	658	427.85	71.81	240	890	240	683	0.88	24.99
	Language Proficiency LEP	4914	499.73	43.79	240	890	284	833	0.85	17.13
	Language Proficiency FEP	4949	561.86	53.57	240	890	343	890	0.85	20.56
	Not Migrant Or Immigrant	59879	559.34	69.71	240	890	240	890	0.92	20.30
	Migrant	146	496.08	68.20	240	890	300	731	0.92	19.65
	Immigrant	513	485.76	91.62	240	890	240	890	0.94	22.88
	Migrant and Immigrant	14	471.86	48.39	240	890	399	573	0.85	18.99
8	**No Disability**	54060	572.13	66.96	250	910	250	910	0.90	21.26
	Disability	5247	484.74	59.44	250	910	250	781	0.87	21.19
	No IEP	54052	572.14	66.96	250	910	250	910	0.90	21.26
	IEP	5241	484.66	59.38	250	910	250	781	0.87	21.19
	No Accommodation	48426	570.70	66.27	250	910	250	910	0.90	20.98
	Accommodation	6193	498.76	69.58	250	910	250	910	0.90	21.86
	Am. Indian/AK Native	513	532.35	65.15	250	910	257	728	0.90	20.55
	Asian/Pacific Islander	1855	585.53	81.33	250	910	250	910	0.92	22.64
	Black	2981	535.01	67.50	250	910	250	835	0.91	20.46
	Hispanic	18370	536.19	62.42	250	910	250	910	0.90	20.03
	White	33722	581.24	69.14	250	910	250	910	0.90	21.41
	Hawaiian/Pacific Islander	121	559.46	61.34	250	910	363	686	0.90	19.56
	Two or More Races	1743	573.58	67.47	250	910	336	837	0.91	20.43
	Not Free Lunch Eligible	35224	585.73	68.19	250	910	250	910	0.90	21.63
	Free Lunch Eligible	19643	529.27	62.35	250	910	250	835	0.90	20.08
	Reduced Lunch Eligible	4399	550.66	60.17	250	910	250	837	0.89	19.79
	Female	29123	580.68	69.65	250	910	250	910	0.90	21.68
	Male	30180	548.69	68.35	250	910	250	910	0.91	20.29
	Language Proficiency NA	49153	572.04	69.85	250	910	250	910	0.91	21.15
	Language Proficiency NEP	554	418.09	72.61	250	910	250	632	0.85	27.97
	Language Proficiency LEP	4198	498.86	44.02	250	910	293	820	0.82	18.64
	Language Proficiency FEP	5400	560.89	50.40	250	910	278	835	0.85	19.61
	Not Migrant Or Immigrant	58627	565.28	70.14	250	910	250	910	0.91	21.02
	Migrant	169	510.88	69.82	250	910	278	716	0.91	21.55
	Immigrant	483	480.26	91.38	250	910	250	770	0.93	24.79
	Migrant and Immigrant	11	481.36	91.73	250	910	340	614	0.88	32.43

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Table 224. Subgroup Reliability for the TCAP Writing Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
9	**No Disability**	54100	573.14	71.43	260	930	260	930	0.91	21.15
	Disability	4935	479.10	63.03	260	930	260	699	0.88	22.19
	No IEP	54090	573.14	71.43	260	930	260	930	0.91	21.15
	IEP	4927	479.03	63.04	260	930	260	699	0.88	22.20
	No Accommodation	50530	569.21	71.81	260	930	260	930	0.92	20.95
	Accommodation	3979	485.79	71.15	260	930	260	878	0.90	22.81
	Am. Indian/AK Native	489	540.96	69.80	260	930	302	773	0.92	20.09
	Asian	1823	584.43	87.09	260	930	260	908	0.93	22.71
	Black	2853	530.36	72.07	260	930	260	908	0.91	21.16
	Hispanic	17855	533.31	67.84	260	930	260	865	0.91	20.48
	White	34172	583.54	72.13	260	930	260	930	0.91	21.30
	Hawaiian/Pacific Islander	151	554.44	65.70	260	930	345	710	0.91	19.38
	Two or More Races	1690	579.99	75.15	260	930	260	930	0.92	21.90
	Not Free Lunch Eligible	36936	585.54	71.82	260	930	260	930	0.91	21.42
	Free Lunch Eligible	18074	526.71	68.53	260	930	260	898	0.91	20.78
	Reduced Lunch Eligible	3974	552.86	65.99	260	930	260	820	0.91	20.04
	Female	28971	581.13	72.73	260	930	260	930	0.91	21.39
	Male	30059	549.99	74.78	260	930	260	930	0.92	20.70
	Language Proficiency NA	49420	573.68	73.80	260	930	260	930	0.92	21.11
	Language Proficiency NEP	681	417.18	73.96	260	930	260	620	0.84	30.08
	Language Proficiency LEP	3511	491.62	46.76	260	930	260	709	0.82	19.81
	Language Proficiency FEP	5424	554.98	56.11	260	930	260	908	0.87	20.04
	Not Migrant Or Immigrant	58335	566.29	74.64	260	930	260	930	0.92	21.07
	Migrant	153	502.29	68.10	260	930	277	652	0.91	20.97
	Immigrant	514	472.13	94.81	260	930	260	724	0.92	26.34
	Migrant and Immigrant	13	475.23	63.17	260	930	359	559	0.87	22.91
10	**No Disability**	52051	583.01	73.43	270	950	270	950	0.91	22.58
	Disability	4320	489.22	63.77	270	950	270	763	0.89	21.09
	No IEP	52050	583.01	73.43	270	950	270	950	0.91	22.58
	IEP	4317	489.11	63.69	270	950	270	763	0.89	21.09
	No Accommodation	48626	578.68	73.57	270	950	270	950	0.91	22.27
	Accommodation	3240	493.55	73.22	270	950	270	909	0.91	22.42
	Am. Indian/AK Native	488	547.51	68.13	270	950	270	722	0.91	20.78
	Asian/Pacific Islander	1806	591.93	86.90	270	950	270	950	0.92	23.92
	Black	2750	539.57	74.63	270	950	270	950	0.92	21.70
	Hispanic	16155	544.65	70.35	270	950	270	950	0.91	21.19
	White	33408	592.84	73.71	270	950	270	950	0.91	22.66
	Hawaiian/Pacific Islander	135	566.57	78.57	270	950	275	744	0.92	22.50
	Two or More Races	1625	588.37	77.37	270	950	290	950	0.91	23.06
	Not Free Lunch Eligible	36899	593.80	73.94	270	950	270	950	0.91	22.83
	Free Lunch Eligible	15807	537.45	70.37	270	950	270	950	0.91	21.13
	Reduced Lunch Eligible	3636	560.54	68.52	270	950	270	836	0.90	21.27
	Female	27749	592.53	74.47	270	950	270	950	0.91	22.91
	Male	28619	559.62	75.74	270	950	270	950	0.92	21.45
	Language Proficiency NA	47885	583.81	75.06	270	950	270	950	0.91	22.37
	Language Proficiency NEP	684	424.67	73.26	270	950	270	675	0.83	30.36
	Language Proficiency LEP	2940	501.61	47.25	270	950	270	689	0.84	18.73
	Language Proficiency FEP	4862	563.25	60.32	270	950	270	950	0.87	21.57
	Not Migrant Or Immigrant	55652	576.98	76.00	270	950	270	950	0.91	22.23
	Migrant	130	504.37	82.32	270	950	270	667	0.92	23.36
	Immigrant	563	480.61	93.17	270	950	270	843	0.92	26.04
	Migrant and Immigrant	16	468.56	61.00	270	950	309	531	0.82	25.77

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Table 225. Subgroup Reliability for the TCAP Mathematics Tests

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
3	**No Disability**	58539	472.32	85.54	150	700	150	700	0.91	25.05
	Disability	5891	378.43	97.11	150	700	150	700	0.92	27.91
	No IEP	58534	472.32	85.54	150	700	150	700	0.91	25.05
	IEP	5882	378.42	97.13	150	700	150	700	0.92	27.92
	No Accommodation	48820	478.11	82.77	150	700	150	700	0.91	25.01
	Accommodation	11351	384.76	84.56	150	700	150	700	0.90	26.98
	Am. Indian/AK Native	476	432.74	81.98	150	700	150	700	0.91	25.13
	Asian	2118	494.25	91.24	150	700	150	700	0.92	25.60
	Black	2941	411.06	91.15	150	700	150	700	0.92	26.19
	Hispanic	21347	425.34	86.07	150	700	150	700	0.91	25.50
	White	35281	489.42	83.16	150	700	150	700	0.91	25.21
	Hawaiian/Pacific Islander	150	449.54	81.43	150	700	150	624	0.91	24.89
	Two or More Races	2116	473.60	89.92	150	700	150	700	0.92	25.40
	Not Free Lunch Eligible	35470	494.43	82.23	150	700	150	700	0.91	25.22
	Free Lunch Eligible	24330	421.01	86.04	150	700	150	700	0.91	25.68
	Reduced Lunch Eligible	4611	453.26	84.07	150	700	150	700	0.91	25.13
	Female	31682	460.29	87.67	150	700	150	700	0.92	25.07
	Male	32748	467.07	93.58	150	700	150	700	0.92	25.71
	Language Proficiency NA	51748	475.40	87.78	150	700	150	700	0.92	25.30
	Language Proficiency NEP	2592	341.92	84.03	150	700	150	683	0.88	29.29
	Language Proficiency LEP	8616	423.73	71.58	150	700	150	700	0.88	24.34
	Language Proficiency FEP	1474	502.45	75.45	150	700	150	700	0.89	25.37
	Not Migrant Or Immigrant	63415	464.53	90.52	150	700	150	700	0.92	25.42
	Migrant	193	402.75	81.06	150	700	150	659	0.90	26.25
	Immigrant	781	417.95	96.16	150	700	150	700	0.92	26.66
	Migrant and Immigrant	25	386.84	95.35	150	700	177	584	0.91	28.15
4	**No Disability**	56903	504.11	74.12	180	780	180	780	0.94	18.46
	Disability	6138	412.48	86.73	180	780	180	728	0.95	20.24
	No IEP	56900	504.11	74.13	180	780	180	780	0.94	18.46
	IEP	6132	412.44	86.74	180	780	180	728	0.95	20.24
	No Accommodation	47760	508.38	71.87	180	780	180	780	0.93	18.43
	Accommodation	10966	422.99	78.49	180	780	180	747	0.94	19.53
	Am. Indian/AK Native	475	461.83	81.94	180	780	180	728	0.94	19.63
	Asian/Pacific Islander	2111	525.50	82.24	180	780	180	780	0.95	19.34
	Black	2890	446.89	82.29	180	780	180	780	0.95	19.02
	Hispanic	20764	461.43	75.90	180	780	180	780	0.94	18.36
	White	34677	517.57	72.92	180	780	180	780	0.94	18.65
	Hawaiian/Pacific Islander	110	491.45	80.32	180	780	212	720	0.94	19.04
	Two or More Races	2013	503.51	80.94	180	780	180	780	0.95	19.01
	Not Free Lunch Eligible	34794	522.82	72.17	180	780	180	780	0.93	18.75
	Free Lunch Eligible	23557	456.57	76.34	180	780	180	780	0.94	18.50
	Reduced Lunch Eligible	4665	484.30	72.29	180	780	180	767	0.94	18.11
	Female	30872	493.13	77.94	180	780	180	780	0.94	18.48
	Male	32169	497.17	82.23	180	780	180	780	0.95	18.94
	Language Proficiency NA	50593	504.98	77.32	180	780	180	780	0.94	18.67
	Language Proficiency NEP	1823	374.26	78.52	180	780	180	663	0.93	20.93
	Language Proficiency LEP	8006	451.00	62.33	180	780	180	674	0.92	17.38
	Language Proficiency FEP	2618	525.34	64.73	180	780	180	780	0.92	18.88
	Not Migrant Or Immigrant	62263	495.76	79.93	180	780	180	780	0.95	18.72
	Migrant	179	443.09	73.78	180	780	201	642	0.94	18.10
	Immigrant	564	453.18	91.54	180	780	180	681	0.95	19.76
	Migrant and Immigrant	22	408.64	54.74	180	780	237	484	0.88	19.25

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Table 225. Subgroup Reliability for the TCAP Mathematics Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
5	**No Disability**	56291	527.38	69.21	220	800	220	800	0.94	17.36
	Disability	6270	435.00	77.57	220	800	220	716	0.93	19.88
	No IEP	56290	527.38	69.21	220	800	220	800	0.94	17.36
	IEP	6267	435.00	77.57	220	800	220	716	0.93	19.88
	No Accommodation	47643	530.00	67.19	220	800	220	800	0.93	17.25
	Accommodation	10572	449.35	74.10	220	800	220	754	0.93	19.24
	Am. Indian/AK Native	519	489.81	72.43	220	800	220	686	0.94	17.79
	Asian	2015	550.97	80.95	220	800	220	800	0.95	18.22
	Black	2872	472.37	75.62	220	800	220	718	0.94	18.41
	Hispanic	20341	487.21	69.78	220	800	220	800	0.94	17.64
	White	34641	538.04	69.85	220	800	220	800	0.94	17.55
	Hawaiian/Pacific Islander	122	510.08	83.88	220	800	220	690	0.95	18.53
	Two or More Races	2050	527.74	77.22	220	800	220	800	0.95	18.06
	Not Free Lunch Eligible	34787	543.43	69.71	220	800	220	800	0.94	17.57
	Free Lunch Eligible	22962	482.08	69.88	220	800	220	770	0.94	17.83
	Reduced Lunch Eligible	4793	507.23	67.10	220	800	220	800	0.93	17.29
	Female	30850	518.41	72.23	220	800	220	800	0.94	17.49
	Male	31710	517.84	78.32	220	800	220	800	0.95	18.09
	Language Proficiency NA	50534	526.33	73.64	220	800	220	800	0.94	17.72
	Language Proficiency NEP	1126	400.51	80.97	220	800	220	754	0.93	21.16
	Language Proficiency LEP	7250	469.39	57.62	220	800	220	754	0.91	17.05
	Language Proficiency FEP	3651	537.59	58.30	220	800	220	800	0.92	16.97
	Not Migrant Or Immigrant	61791	518.64	75.10	220	800	220	800	0.94	17.80
	Migrant	169	470.82	66.19	220	800	220	635	0.92	18.41
	Immigrant	576	479.74	89.59	220	800	220	754	0.95	19.34
	Migrant and Immigrant	20	413.90	73.38	220	800	308	534	0.93	18.81
6	**No Disability**	55690	545.99	67.01	240	830	240	830	0.94	17.03
	Disability	5882	450.17	80.03	240	830	240	830	0.91	23.62
	No IEP	55690	545.99	67.01	240	830	240	830	0.94	17.03
	IEP	5881	450.11	80.04	240	830	240	830	0.91	23.62
	No Accommodation	49447	546.39	65.93	240	830	240	830	0.93	16.94
	Accommodation	8091	461.91	79.36	240	830	240	775	0.92	22.47
	Am. Indian/AK Native	517	507.27	76.29	240	830	240	830	0.94	19.31
	Asian/Pacific Islander	1918	567.59	81.48	240	830	240	830	0.95	18.56
	Black	2899	494.30	75.15	240	830	240	695	0.93	20.39
	Hispanic	20039	506.44	70.93	240	830	240	783	0.93	18.95
	White	34186	556.50	67.00	240	830	240	830	0.94	17.06
	Hawaiian/Pacific Islander	126	519.10	80.43	240	830	240	672	0.94	19.50
	Two or More Races	1892	546.63	72.72	240	830	240	830	0.94	17.49
	Not Free Lunch Eligible	34867	561.31	66.17	240	830	240	830	0.94	16.87
	Free Lunch Eligible	22044	500.62	71.26	240	830	240	830	0.93	19.53
	Reduced Lunch Eligible	4632	525.12	68.08	240	830	240	775	0.93	17.98
	Female	29991	537.29	70.51	240	830	240	830	0.94	17.50
	Male	31586	536.39	77.06	240	830	240	830	0.94	18.44
	Language Proficiency NA	50223	544.83	71.44	240	830	240	830	0.94	17.62
	Language Proficiency NEP	884	411.34	89.73	240	830	240	682	0.91	27.15
	Language Proficiency LEP	6054	480.43	60.77	240	830	240	830	0.89	19.75
	Language Proficiency FEP	4415	548.31	56.10	240	830	240	781	0.92	16.17
	Not Migrant Or Immigrant	60907	537.44	73.49	240	830	240	830	0.94	17.94
	Migrant	156	486.90	74.63	240	830	240	637	0.92	21.44
	Immigrant	487	479.77	97.47	240	830	240	830	0.94	23.66
	Migrant and Immigrant	20	474.30	79.24	240	830	327	592	0.92	22.79

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Table 225. Subgroup Reliability for the TCAP Mathematics Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
7	**No Disability**	54989	570.14	69.45	280	860	280	860	0.93	17.86
	Disability	5641	473.32	79.15	280	860	280	860	0.89	25.71
	No IEP	54991	570.14	69.45	280	860	280	860	0.93	17.86
	IEP	5636	473.25	79.10	280	860	280	860	0.89	25.72
	No Accommodation	49476	568.86	69.54	280	860	280	860	0.93	17.93
	Accommodation	6828	486.26	81.25	280	860	280	860	0.91	24.09
	Am. Indian/AK Native	508	533.93	78.50	280	860	280	785	0.93	21.22
	Asian	1858	591.05	84.97	280	860	280	860	0.95	19.66
	Black	2971	516.69	78.09	280	860	280	759	0.92	22.33
	Hispanic	19248	528.81	70.86	280	860	280	860	0.92	20.27
	White	34054	581.49	69.48	280	860	280	860	0.94	17.78
	Hawaiian/Pacific Islander	153	544.78	72.57	280	860	280	709	0.92	20.44
	Two or More Races	1836	572.92	72.19	280	860	280	846	0.94	18.23
	Not Free Lunch Eligible	35184	585.69	69.17	280	860	280	860	0.94	17.68
	Free Lunch Eligible	20835	522.55	71.49	280	860	280	818	0.91	21.15
	Reduced Lunch Eligible	4589	548.21	66.73	280	860	280	860	0.92	18.83
	Female	29718	562.44	71.77	280	860	280	860	0.93	18.38
	Male	30910	559.88	79.49	280	860	280	860	0.94	19.37
	Language Proficiency NA	50090	569.20	73.64	280	860	280	860	0.94	18.49
	Language Proficiency NEP	670	429.55	87.64	280	860	280	711	0.87	31.52
	Language Proficiency LEP	4914	494.84	60.99	280	860	280	712	0.86	23.22
	Language Proficiency FEP	4955	563.09	58.53	280	860	280	860	0.91	17.23
	Not Migrant Or Immigrant	59952	561.86	75.31	280	860	280	860	0.94	18.83
	Migrant	146	490.51	82.62	280	860	280	638	0.89	26.92
	Immigrant	515	500.45	94.05	280	860	280	860	0.93	24.20
	Migrant and Immigrant	14	443.36	88.64	280	860	280	559	0.82	37.74
8	**No Disability**	54273	583.75	66.25	310	890	310	890	0.94	16.63
	Disability	5269	493.45	72.36	310	890	310	749	0.90	23.00
	No IEP	54265	583.75	66.25	310	890	310	890	0.94	16.63
	IEP	5263	493.37	72.33	310	890	310	749	0.90	23.01
	No Accommodation	48980	581.95	66.74	310	890	310	890	0.94	16.80
	Accommodation	6156	510.17	77.50	310	890	310	807	0.93	20.89
	Am. Indian/AK Native	516	547.34	70.43	310	890	310	699	0.93	19.31
	Asian/Pacific Islander	1863	609.45	76.11	310	890	310	890	0.95	17.53
	Black	2985	533.50	74.35	310	890	310	755	0.93	20.38
	Hispanic	18435	545.32	67.21	310	890	310	778	0.92	18.72
	White	33875	594.16	65.69	310	890	310	890	0.94	16.51
	Hawaiian/Pacific Islander	121	572.07	62.70	310	890	428	700	0.93	16.39
	Two or More Races	1745	585.06	70.25	310	890	310	890	0.94	17.07
	Not Free Lunch Eligible	35357	597.52	65.56	310	890	310	890	0.94	16.39
	Free Lunch Eligible	19720	539.34	68.00	310	890	310	787	0.92	19.44
	Reduced Lunch Eligible	4424	564.34	63.82	310	890	310	791	0.93	17.52
	Female	29239	576.64	67.65	310	890	310	890	0.94	16.92
	Male	30301	574.91	75.14	310	890	310	890	0.94	17.95
	Language Proficiency NA	49369	582.95	69.74	310	890	310	890	0.94	17.15
	Language Proficiency NEP	564	455.50	78.31	310	890	310	669	0.87	28.37
	Language Proficiency LEP	4203	508.01	57.04	310	890	310	729	0.86	21.57
	Language Proficiency FEP	5405	575.33	57.14	310	890	310	841	0.92	16.09
	Not Migrant Or Immigrant	58857	576.42	71.15	310	890	310	890	0.94	17.41
	Migrant	168	513.71	73.72	310	890	310	722	0.90	23.19
	Immigrant	488	519.23	86.47	310	890	310	791	0.94	22.11
	Migrant and Immigrant	13	519.38	83.47	310	890	315	611	0.90	25.89

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Table 225. Subgroup Reliability for the TCAP Mathematics Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
9	**No Disability**	53984	583.65	67.28	340	920	340	866	0.93	17.47
	Disability	4926	485.03	77.12	340	920	340	728	0.88	27.13
	No IEP	53968	583.67	67.27	340	920	340	866	0.93	17.46
	IEP	4922	484.97	77.16	340	920	340	728	0.88	27.12
	No Accommodation	50707	579.24	69.09	340	920	340	866	0.93	17.93
	Accommodation	3944	495.13	83.47	340	920	340	768	0.91	25.02
	Am. Indian/AK Native	486	550.92	70.05	340	920	340	757	0.93	19.24
	Asian	1832	608.36	78.16	340	920	340	866	0.95	18.27
	Black	2860	533.88	77.16	340	920	340	741	0.92	22.44
	Hispanic	17855	542.96	72.12	340	920	340	866	0.92	21.00
	White	34027	593.90	65.67	340	920	340	836	0.93	17.10
	Hawaiian/Pacific Islander	152	567.47	67.87	340	920	340	719	0.92	18.79
	Two or More Races	1693	588.23	71.80	340	920	340	823	0.94	17.74
	Not Free Lunch Eligible	36799	595.19	66.89	340	920	340	866	0.93	17.19
	Free Lunch Eligible	18085	537.75	72.12	340	920	340	757	0.91	21.69
	Reduced Lunch Eligible	3970	564.08	67.04	340	920	340	745	0.92	19.12
	Female	28910	574.88	71.17	340	920	340	866	0.93	18.61
	Male	29994	575.92	75.52	340	920	340	866	0.94	18.64
	Language Proficiency NA	49268	582.51	71.05	340	920	340	866	0.94	18.10
	Language Proficiency NEP	694	451.25	78.73	340	920	340	677	0.83	32.88
	Language Proficiency LEP	3525	505.99	65.65	340	920	340	753	0.85	25.17
	Language Proficiency FEP	5422	571.82	59.43	340	920	340	760	0.91	17.56
	Not Migrant Or Immigrant	58204	576.16	72.89	340	920	340	866	0.94	18.54
	Migrant	154	510.51	77.67	340	920	340	736	0.90	24.69
	Immigrant	516	513.09	92.06	340	920	340	753	0.93	24.38
	Migrant and Immigrant	14	510.57	68.41	340	920	340	613	0.82	28.78
10	**No Disability**	52209	600.71	65.64	370	950	370	870	0.94	16.67
	Disability	4342	506.95	73.08	370	950	370	805	0.89	23.89
	No IEP	52203	600.71	65.64	370	950	370	870	0.94	16.67
	IEP	4340	506.93	73.08	370	950	370	805	0.89	23.89
	No Accommodation	49077	596.18	67.09	370	950	370	857	0.94	17.05
	Accommodation	3111	510.88	77.51	370	950	370	790	0.91	23.09
	Am. Indian/AK Native	495	568.72	68.21	370	950	370	720	0.92	19.31
	Asian/Pacific Islander	1810	621.29	76.39	370	950	370	831	0.95	17.61
	Black	2762	551.36	72.48	370	950	370	772	0.92	20.96
	Hispanic	16216	561.66	68.31	370	950	370	806	0.92	19.46
	White	33507	610.84	64.27	370	950	370	870	0.94	16.33
	Hawaiian/Pacific Islander	133	585.82	74.30	370	950	370	757	0.93	19.07
	Two or More Races	1624	603.08	69.90	370	950	370	805	0.94	17.28
	Not Free Lunch Eligible	36976	611.00	65.18	370	950	370	870	0.94	16.40
	Free Lunch Eligible	15889	555.99	69.23	370	950	370	791	0.92	20.21
	Reduced Lunch Eligible	3651	580.18	65.28	370	950	370	765	0.92	18.06
	Female	27824	592.76	66.20	370	950	370	818	0.93	17.10
	Male	28723	594.25	74.97	370	950	370	870	0.94	17.91
	Language Proficiency NA	48055	600.41	68.38	370	950	370	870	0.94	17.07
	Language Proficiency NEP	690	472.08	72.42	370	950	370	723	0.84	28.56
	Language Proficiency LEP	2936	524.43	60.83	370	950	370	759	0.85	23.23
	Language Proficiency FEP	4869	584.34	59.62	370	950	370	857	0.92	17.11
	Not Migrant Or Immigrant	55826	594.38	70.15	370	950	370	870	0.94	17.43
	Migrant	130	524.08	72.89	370	950	370	683	0.90	22.87
	Immigrant	562	527.38	88.60	370	950	370	811	0.93	23.20
	Migrant and Immigrant	16	491.50	73.75	370	950	370	600	0.72	38.94

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Table 226. Subgroup Reliability for the TCAP Science Tests

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
5	**No Disability**	56317	506.44	61.86	300	900	300	741	0.92	17.46
	Disability	6276	431.97	69.96	300	900	300	675	0.92	20.42
	No IEP	56315	506.44	61.86	300	900	300	741	0.92	17.46
	IEP	6272	431.97	69.95	300	900	300	675	0.92	20.42
	No Accommodation	48798	508.59	60.21	300	900	300	718	0.92	17.33
	Accommodation	9267	434.87	66.43	300	900	300	675	0.91	20.38
	Am. Indian/AK Native	521	474.58	65.15	300	900	300	654	0.92	18.60
	Asian	2011	512.30	70.79	300	900	300	689	0.94	18.07
	Black	2869	457.65	66.45	300	900	300	652	0.91	19.44
	Hispanic	20353	465.68	64.16	300	900	300	741	0.92	18.75
	White	34672	520.96	57.58	300	900	300	722	0.91	17.21
	Hawaiian/Pacific Islander	122	486.25	71.87	300	900	300	667	0.93	19.10
	Two or More Races	2045	509.47	62.87	300	900	300	681	0.92	17.72
	Not Free Lunch Eligible	34805	523.86	57.35	300	900	300	741	0.91	17.17
	Free Lunch Eligible	22969	463.31	63.96	300	900	300	681	0.91	18.94
	Reduced Lunch Eligible	4799	489.27	60.88	300	900	300	703	0.91	17.98
	Female	30875	498.29	64.97	300	900	300	741	0.93	17.85
	Male	31715	499.65	68.12	300	900	300	720	0.93	17.98
	Language Proficiency NA	50564	509.27	62.51	300	900	300	741	0.92	17.56
	Language Proficiency NEP	1120	375.89	61.74	300	900	300	589	0.87	22.55
	Language Proficiency LEP	7254	440.81	52.10	300	900	300	643	0.86	19.30
	Language Proficiency FEP	3655	509.69	48.75	300	900	300	689	0.88	16.91
	Not Migrant Or Immigrant	61830	499.65	66.15	300	900	300	741	0.93	17.89
	Migrant	169	442.60	63.71	300	900	300	642	0.90	20.19
	Immigrant	567	445.79	81.33	300	900	300	657	0.94	20.10
	Migrant and Immigrant	20	389.80	76.06	300	900	300	516	0.92	21.91
8	**No Disability**	54184	506.17	55.52	300	900	300	749	0.93	14.87
	Disability	5261	430.59	61.12	300	900	300	652	0.91	18.36
	No IEP	54180	506.16	55.53	300	900	300	749	0.93	14.87
	IEP	5252	430.54	61.10	300	900	300	652	0.91	18.37
	No Accommodation	50063	504.53	55.89	300	900	300	749	0.93	14.91
	Accommodation	4930	430.91	62.78	300	900	300	639	0.91	18.40
	Am. Indian/AK Native	511	476.54	56.98	300	900	300	621	0.92	16.05
	Asian/Pacific Islander	1862	516.40	64.57	300	900	300	668	0.94	15.77
	Black	2976	466.34	61.62	300	900	300	637	0.92	17.03
	Hispanic	18381	471.30	58.17	300	900	300	670	0.92	16.33
	White	33849	516.65	53.36	300	900	300	709	0.93	14.60
	Hawaiian/Pacific Islander	121	493.60	52.07	300	900	300	611	0.91	15.97
	Two or More Races	1743	508.84	56.91	300	900	300	749	0.93	14.99
	Not Free Lunch Eligible	35320	518.79	52.98	300	900	300	749	0.93	14.52
	Free Lunch Eligible	19673	467.06	58.63	300	900	300	662	0.92	16.73
	Reduced Lunch Eligible	4411	489.48	54.04	300	900	300	647	0.92	15.40
	Female	29209	500.60	57.67	300	900	300	749	0.93	15.13
	Male	30233	498.40	62.17	300	900	300	709	0.94	15.53
	Language Proficiency NA	49300	507.08	56.94	300	900	300	749	0.93	14.98
	Language Proficiency NEP	563	375.41	56.20	300	900	300	552	0.83	23.52
	Language Proficiency LEP	4183	430.88	47.78	300	900	300	625	0.84	18.90
	Language Proficiency FEP	5399	496.12	46.41	300	900	300	640	0.90	14.55
	Not Migrant Or Immigrant	58766	500.22	59.45	300	900	300	749	0.93	15.30
	Migrant	168	441.90	58.92	300	900	300	574	0.90	18.66
	Immigrant	484	431.29	75.99	300	900	300	647	0.94	19.28
	Migrant and Immigrant	12	439.25	81.11	300	900	300	530	0.94	20.27

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Table 226. Subgroup Reliability for the TCAP Science Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
10	**No Disability**	52177	505.52	58.15	300	900	300	692	0.91	17.70
	Disability	4338	428.74	65.81	300	900	300	636	0.89	22.00
	No IEP	52177	505.51	58.15	300	900	300	692	0.91	17.70
	IEP	4332	428.73	65.81	300	900	300	636	0.89	22.00
	No Accommodation	49257	502.14	59.41	300	900	300	692	0.91	17.92
	Accommodation	2880	423.56	66.84	300	900	300	624	0.89	22.20
	Am. Indian/AK Native	495	481.38	57.36	300	900	300	603	0.89	19.05
	Asian	1815	508.11	66.52	300	900	300	674	0.92	18.52
	Black	2765	461.43	63.89	300	900	300	665	0.89	20.84
	Hispanic	16175	468.30	61.03	300	900	300	664	0.90	19.69
	White	33506	517.22	54.83	300	900	300	692	0.90	17.25
	Hawaiian/Pacific Islander	134	490.73	56.26	300	900	300	592	0.89	18.38
	Two or More Races	1622	510.45	59.21	300	900	300	681	0.91	17.77
	Not Free Lunch Eligible	36974	515.74	55.80	300	900	300	692	0.90	17.29
	Free Lunch Eligible	15856	464.83	62.51	300	900	300	644	0.90	20.16
	Reduced Lunch Eligible	3654	487.88	57.95	300	900	300	663	0.90	18.72
	Female	27808	498.91	58.00	300	900	300	691	0.90	18.04
	Male	28704	500.32	66.05	300	900	300	692	0.92	18.33
	Language Proficiency NA	48019	507.37	58.85	300	900	300	692	0.91	17.77
	Language Proficiency NEP	691	370.98	53.76	300	900	300	532	0.73	27.75
	Language Proficiency LEP	2937	426.62	50.69	300	900	300	583	0.80	22.92
	Language Proficiency FEP	4868	485.56	49.68	300	900	300	645	0.87	18.04
	Not Migrant Or Immigrant	55790	500.62	61.45	300	900	300	692	0.91	18.12
	Migrant	133	429.71	67.82	300	900	300	552	0.89	22.70
	Immigrant	564	420.21	73.95	300	900	300	644	0.91	22.14
	Migrant and Immigrant	16	419.69	61.75	300	900	300	485	0.81	26.73

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Table 227. Subgroup Reliability for the TCAP Spanish Reading Tests

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
3	**No Disability**	1091	523.53	44.85	300	740	300	652	0.86	16.64
	Disability	98	460.60	66.88	300	740	300	562	0.83	27.77
	No IEP	1091	523.53	44.85	300	740	300	652	0.86	16.64
	IEP	98	460.60	66.88	300	740	300	562	0.83	27.77
	No Accommodation	963	523.47	47.76	300	740	300	652	0.87	17.26
	Accommodation	224	495.87	53.76	300	740	300	599	0.85	20.54
	Am. Indian/AK Native	3	505.67	80.53	300	740	431	591	.	.
	Asian	.	.	.	.	.	.	.	.	.
	Black	.	.	.	.	.	.	.	.	.
	Hispanic	1185	518.34	50.06	300	740	300	652	0.87	17.90
	White	1	561.00	.	300	740	561	561	.	.
	Hawaiian/Pacific Islander	.	.	.	.	.	.	.	.	.
	Two or More Races	.	.	.	.	.	.	.	.	.
	Not Free Lunch Eligible	54	521.59	55.99	300	740	300	626	0.89	18.27
	Free Lunch Eligible	1064	517.35	50.07	300	740	300	652	0.87	18.00
	Reduced Lunch Eligible	71	530.75	44.51	300	740	431	631	0.88	15.59
	Female	578	527.22	44.18	300	740	300	642	0.87	16.01
	Male	611	509.94	53.82	300	740	300	652	0.87	19.37
	Language Proficiency NA	5	517.00	68.91	300	740	452	626	.	.
	Language Proficiency NEP	543	491.88	52.35	300	740	300	610	0.84	20.70
	Language Proficiency LEP	637	540.50	34.72	300	740	430	652	0.81	15.13
	Language Proficiency FEP	4	582.75	21.64	300	740	556	607	.	.
	Not Migrant Or Immigrant	1110	518.50	49.31	300	740	300	652	0.87	17.70
	Migrant	4	506.00	35.05	300	740	458	540	.	.
	Immigrant	72	514.89	62.08	300	740	300	631	0.89	20.41
	Migrant and Immigrant	3	557.33	35.25	300	740	527	596	.	.
4	**No Disability**	90	516.03	46.38	300	790	409	626	0.94	11.69
	Disability	1	445.00	.	300	790	445	445	.	.
	No IEP	90	516.03	46.38	300	790	409	626	0.94	11.69
	IEP	1	445.00	.	300	790	445	445	.	.
	No Accommodation	69	517.81	48.37	300	790	409	626	0.94	11.40
	Accommodation	20	507.55	40.77	300	790	424	595	0.91	12.53
	Am. Indian/AK Native	.	.	.	.	.	.	.	.	.
	Asian/Pacific Islander	.	.	.	.	.	.	.	.	.
	Black	.	.	.	.	.	.	.	.	.
	Hispanic	91	515.25	46.72	300	790	409	626	0.94	11.64
	White	.	.	.	.	.	.	.	.	.
	Hawaiian/Pacific Islander	.	.	.	.	.	.	.	.	.
	Two or More Races	.	.	.	.	.	.	.	.	.
	Not Free Lunch Eligible	11	541.45	46.41	300	790	437	601	0.94	11.18
	Free Lunch Eligible	76	511.96	46.61	300	790	409	626	0.94	11.75
	Reduced Lunch Eligible	4	505.75	32.92	300	790	467	546	.	.
	Female	45	525.16	51.01	300	790	424	626	0.95	11.55
	Male	46	505.57	40.34	300	790	409	598	0.92	11.69
	Language Proficiency NA	2	471.50	88.39	300	790	409	534	.	.
	Language Proficiency NEP	79	517.20	45.01	300	790	414	626	0.94	11.48
	Language Proficiency LEP	9	518.00	47.57	300	790	456	592	0.95	10.72
	Language Proficiency FEP	1	424.00	.	300	790	424	424	.	.
	Not Migrant Or Immigrant	63	513.75	45.49	300	790	414	626	0.93	11.73
	Migrant	1	570.00	.	300	790	570	570	.	.
	Immigrant	27	516.74	49.97	300	790	409	606	0.95	11.54
	Migrant and Immigrant	.	.	.	.	.	.	.	.	.

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Table 228. Subgroup Reliability for the TCAP Spanish Writing Tests

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
3	**No Disability**	1101	517.38	69.79	250	750	250	750	0.91	21.50
	Disability	98	444.12	63.09	250	750	250	613	0.88	22.27
	No IEP	1101	517.38	69.79	250	750	250	750	0.91	21.50
	IEP	98	444.12	63.09	250	750	250	613	0.88	22.27
	No Accommodation	972	519.83	69.80	250	750	250	750	0.90	21.66
	Accommodation	223	476.07	70.31	250	750	250	653	0.91	21.07
	Am. Indian/AK Native	3	539.00	97.87	250	750	481	652	.	.
	Asian	.	.	.	.	.	.	.	.	.
	Black	.	.	.	.	.	.	.	.	.
	Hispanic	1195	511.33	72.09	250	750	250	750	0.91	21.48
	White	1	500.00	.	250	750	500	500	.	.
	Hawaiian/Pacific Islander	.	.	.	.	.	.	.	.	.
	Two or More Races	.	.	.	.	.	.	.	.	.
	Not Free Lunch Eligible	53	507.94	86.21	250	750	294	651	0.94	20.94
	Free Lunch Eligible	1071	510.63	71.68	250	750	250	750	0.91	21.64
	Reduced Lunch Eligible	75	524.77	66.63	250	750	366	675	0.91	19.77
	Female	582	525.32	70.08	250	750	250	750	0.90	21.74
	Male	617	498.26	71.55	250	750	250	750	0.91	21.36
	Language Proficiency NA	4	459.25	95.32	250	750	348	581	.	.
	Language Proficiency NEP	550	473.18	66.14	250	750	250	664	0.90	21.28
	Language Proficiency LEP	641	543.96	59.56	250	750	344	750	0.85	22.83
	Language Proficiency FEP	4	598.75	29.74	250	750	560	629	.	.
	Not Migrant Or Immigrant	1120	511.96	70.39	250	750	250	750	0.91	21.40
	Migrant	4	480.25	36.05	250	750	435	521	.	.
	Immigrant	72	501.96	96.19	250	750	250	713	0.95	22.44
	Migrant and Immigrant	3	569.00	26.85	250	750	538	585	.	.
4	**No Disability**	90	497.58	45.78	300	790	392	624	0.87	16.29
	Disability	1	419.00	.	300	790	419	419	.	.
	No IEP	90	497.58	45.78	300	790	392	624	0.87	16.29
	IEP	1	419.00	.	300	790	419	419	.	.
	No Accommodation	67	496.79	47.81	300	790	392	624	0.89	16.01
	Accommodation	22	501.73	40.01	300	790	395	570	0.85	15.72
	Am. Indian/AK Native	.	.	.	.	.	.	.	.	.
	Asian/Pacific Islander	.	.	.	.	.	.	.	.	.
	Black	.	.	.	.	.	.	.	.	.
	Hispanic	91	496.71	46.26	300	790	392	624	0.88	16.14
	White	.	.	.	.	.	.	.	.	.
	Hawaiian/Pacific Islander	.	.	.	.	.	.	.	.	.
	Two or More Races	.	.	.	.	.	.	.	.	.
	Not Free Lunch Eligible	11	517.82	49.34	300	790	421	598	0.89	16.24
	Free Lunch Eligible	76	493.16	46.27	300	790	392	624	0.88	16.27
	Reduced Lunch Eligible	4	506.25	22.19	300	790	478	532	.	.
	Female	44	508.55	46.99	300	790	395	624	0.88	15.98
	Male	47	485.64	43.18	300	790	392	570	0.86	16.24
	Language Proficiency NA	2	464.50	102.50	300	790	392	537	.	.
	Language Proficiency NEP	79	495.94	42.42	300	790	395	624	0.86	15.70
	Language Proficiency LEP	9	514.89	66.35	300	790	418	598	0.93	18.15
	Language Proficiency FEP	1	459.00	.	300	790	459	459	.	.
	Not Migrant Or Immigrant	63	489.94	44.11	300	790	395	581	0.87	16.18
	Migrant	1	533.00	.	300	790	533	533	.	.
	Immigrant	27	511.19	48.89	300	790	392	624	0.90	15.50
	Migrant and Immigrant	.	.	.	.	.	.	.	.	.

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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	50879	578.88	60.58	6461	516.35	70.36
		Disability	2191	515.57	91.72	3578	449.45	99.76
		No IEP	50870	578.88	60.58	6462	516.38	70.35
		IEP	2187	515.50	91.76	3577	449.38	99.75
	4	No Disability	49373	601.65	48.11	7437	552.42	61.96
		Disability	1822	541.14	83.23	4281	492.20	91.11
		No IEP	49370	601.65	48.11	7438	552.42	61.95
		IEP	1817	541.05	83.31	4280	492.19	91.12
	5	No Disability	49323	626.96	54.22	6767	573.76	67.08
		Disability	1708	558.51	86.90	4526	508.45	95.04
		No IEP	49318	626.97	54.22	6767	573.78	67.08
		IEP	1707	558.47	86.90	4526	508.43	95.03
	6	No Disability	51240	641.92	51.43	4675	590.78	66.00
		Disability	1850	567.87	77.83	4014	534.53	80.79
		No IEP	51239	641.92	51.43	4676	590.79	66.00
		IEP	1846	567.76	77.85	4014	534.43	80.89
	7	No Disability	51750	652.49	54.58	3211	597.49	72.93
		Disability	2169	577.02	77.23	3434	541.81	78.94
		No IEP	51752	652.49	54.58	3212	597.49	72.92
		IEP	2165	577.03	77.28	3432	541.79	78.95
	8	No Disability	51253	660.24	52.41	2969	616.50	66.06
		Disability	2037	590.28	68.54	3219	567.71	69.09
		No IEP	51243	660.24	52.41	2971	616.53	66.05
		IEP	2033	590.19	68.47	3217	567.65	69.06
	9	No Disability	52960	666.83	45.10	1247	621.89	58.96
		Disability	2583	603.94	53.75	2338	595.12	55.10
		No IEP	52946	666.83	45.11	1251	621.87	58.96
		IEP	2580	603.97	53.74	2333	595.04	55.07
	10	No Disability	50915	688.02	48.06	1067	641.41	66.09
		Disability	2362	620.50	62.21	1959	612.90	62.93
		No IEP	50913	688.02	48.06	1068	641.45	66.07
		IEP	2360	620.37	62.16	1958	612.87	62.93

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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	50231	477.21	44.50	7116	435.36	43.64
		Disability	1710	442.88	49.50	4051	401.01	48.28
		No IEP	50223	477.21	44.50	7118	435.35	43.64
		IEP	1704	442.86	49.53	4049	401.01	48.29
	4	No Disability	48563	494.51	45.54	8199	458.18	43.72
		Disability	1436	453.98	46.70	4685	422.18	44.99
		No IEP	48560	494.51	45.55	8200	458.17	43.72
		IEP	1431	453.96	46.75	4684	422.18	44.99
	5	No Disability	48936	521.27	52.70	7333	479.29	51.76
		Disability	1345	471.89	52.32	4919	438.68	49.94
		No IEP	48931	521.27	52.71	7333	479.30	51.76
		IEP	1344	471.86	52.33	4919	438.67	49.93
	6	No Disability	51011	532.67	56.33	4868	486.97	58.84
		Disability	1489	470.34	57.15	4371	446.33	51.90
		No IEP	51011	532.67	56.33	4868	486.95	58.86
		IEP	1485	470.25	57.16	4371	446.30	51.92
	7	No Disability	51394	569.63	65.37	3536	520.38	66.29
		Disability	1773	497.13	59.58	3853	473.81	56.23
		No IEP	51396	569.63	65.37	3537	520.38	66.28
		IEP	1769	497.21	59.58	3851	473.81	56.25
	8	No Disability	51233	574.83	65.48	2827	523.22	74.32
		Disability	1881	496.41	60.47	3366	478.22	57.84
		No IEP	51223	574.84	65.48	2829	523.24	74.29
		IEP	1877	496.28	60.35	3364	478.17	57.83
	9	No Disability	52722	574.85	70.37	1378	507.80	80.37
		Disability	2335	484.67	62.95	2600	474.09	62.69
		No IEP	52709	574.85	70.38	1381	507.81	80.30
		IEP	2331	484.58	62.95	2596	474.04	62.71
	10	No Disability	50877	584.68	72.23	1174	510.49	87.31
		Disability	2254	494.07	65.13	2066	483.93	61.84
		No IEP	50875	584.68	72.23	1175	510.54	87.29
		IEP	2252	493.89	65.00	2065	483.89	61.82

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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	51278	482.19	82.05	7261	402.67	76.87
		Disability	1801	436.23	91.52	4090	352.98	88.19
		No IEP	51269	482.20	82.04	7265	402.61	76.88
		IEP	1797	436.18	91.59	4085	353.01	88.22
	4	No Disability	50437	511.94	70.78	6466	443.04	71.13
		Disability	1639	462.75	85.58	4499	394.17	79.62
		No IEP	50433	511.95	70.79	6467	443.03	71.12
		IEP	1634	462.74	85.66	4498	394.17	79.63
	5	No Disability	50405	533.79	66.53	5886	472.50	67.34
		Disability	1584	478.59	77.27	4686	420.27	71.93
		No IEP	50403	533.79	66.53	5887	472.47	67.36
		IEP	1582	478.58	77.31	4685	420.29	71.93
	6	No Disability	51781	550.26	64.57	3909	489.48	72.87
		Disability	1702	484.57	78.22	4180	436.17	76.46
		No IEP	51781	550.25	64.57	3909	489.51	72.87
		IEP	1701	484.52	78.22	4180	436.10	76.47
	7	No Disability	51892	573.25	67.85	3097	518.09	75.03
		Disability	1910	499.65	77.38	3731	459.84	76.62
		No IEP	51893	573.24	67.85	3098	518.19	75.08
		IEP	1907	499.70	77.38	3729	459.73	76.52
	8	No Disability	51449	586.10	64.90	2824	541.00	75.42
		Disability	1938	509.63	74.79	3331	484.03	69.20
		No IEP	51440	586.10	64.90	2825	541.02	75.42
		IEP	1933	509.51	74.77	3330	483.99	69.18
	9	No Disability	52628	584.95	66.42	1356	533.30	79.88
		Disability	2338	495.99	74.44	2588	475.13	78.18
		No IEP	52611	584.96	66.42	1357	533.45	79.68
		IEP	2335	495.98	74.46	2587	475.03	78.22
	10	No Disability	51109	602.03	64.71	1100	539.40	78.37
		Disability	2331	517.01	72.13	2011	495.28	72.44
		No IEP	51102	602.03	64.71	1101	539.36	78.34
		IEP	2330	516.97	72.13	2010	495.29	72.46

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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	51550	511.72	58.97	4767	449.36	63.57
		Disability	1776	463.52	69.93	4500	419.51	65.95
		No IEP	51546	511.72	58.97	4769	449.32	63.59
		IEP	1774	463.47	69.96	4498	419.54	65.95
	8	No Disability	52279	508.15	54.06	1905	451.69	66.42
		Disability	2237	447.87	62.74	3024	417.81	56.59
		No IEP	52272	508.15	54.06	1908	451.71	66.41
		IEP	2232	447.85	62.74	3020	417.74	56.57
	10	No Disability	51200	506.83	57.08	977	436.49	70.59
		Disability	2435	437.98	65.85	1903	416.92	63.84
		No IEP	51197	506.83	57.08	980	436.39	70.54
		IEP	2432	437.93	65.84	1900	416.95	63.87
Reading Spanish	3	No Disability	919	526.67	44.06	172	506.71	45.37
		Disability	46	461.28	71.25	52	460.00	63.47
		No IEP	919	526.67	44.06	172	506.71	45.37
		IEP	46	461.28	71.25	52	460.00	63.47
	4	No Disability	70	518.46	47.85	20	507.55	40.77
		Disability	1	445.00	.	.	.	.
		No IEP	70	518.46	47.85	20	507.55	40.77
		IEP	1	445.00	.	.	.	.
Writing Spanish	3	No Disability	942	521.57	69.33	159	492.59	67.53
		Disability	34	461.26	66.32	64	435.02	59.85
		No IEP	942	521.57	69.33	159	492.59	67.53
		IEP	34	461.26	66.32	64	435.02	59.85
	4	No Disability	68	496.24	47.69	22	501.73	40.01
		Disability	1	419.00	.	.	.	.
		No IEP	68	496.24	47.69	22	501.73	40.01
		IEP	1	419.00	.	.	.	.

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Table 230. Overall Estimates of Standard Error of Measurement

Content Area	Grade	SEM
Reading	3	24.50
	4	15.77
	5	17.67
	6	16.29
	7	17.32
	8	16.35
	9	13.85
	10	14.47
Writing	3	14.95
	4	15.20
	5	16.64
	6	18.28
	7	20.32
	8	21.07
	9	21.14
	10	22.28
Mathematics	3	25.44
	4	18.74
	5	17.83
	6	18.02
	7	18.93
	8	17.41
	9	18.52
	10	17.55
Science	5	17.93
	8	15.38
	10	18.31
Reading Spanish	3	17.88
	4	11.64
Writing Spanish	3	21.50
	4	16.14

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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	229														
175	204	180	200												
200	179	200	180	220	198										
225	154	225	155	225	193										
250	131	250	130	250	168	260	182								
275	111	275	108	275	143	275	167								
300	93	300	89	300	119	300	142	300	123						
325	76	325	72	325	98	325	118	325	102	330	113				
350	61	350	58	350	79	350	96	350	84	350	97	350	125	370	150
375	49	375	46	375	63	375	77	375	69	375	80	375	101	375	145
400	38	400	36	400	50	400	61	400	56	400	66	400	80	400	120
425	30	425	29	425	39	425	46	425	45	425	54	425	63	425	95
450	24	450	24	450	31	450	35	450	36	450	43	450	49	450	73
475	21	475	20	475	25	475	26	475	28	475	35	475	37	475	55
500	19	500	16	500	21	500	20	500	22	500	28	500	28	500	42
525	18	525	13	525	17	525	16	525	18	525	22	525	21	525	31
550	18	550	11	550	14	550	14	550	15	550	18	550	16	550	23
575	19	575	11	575	13	575	12	575	14	575	15	575	14	575	17
600	21	600	12	600	12	600	12	600	13	600	14	600	12	600	13
625	24	625	13	625	13	625	12	625	13	625	13	625	11	625	11
650	27	650	15	650	14	650	13	650	14	650	13	650	11	650	11
675	31	675	18	675	15	675	15	675	15	675	13	675	11	675	11
700	36	700	22	700	17	700	16	700	17	700	14	700	12	700	11
725	41	725	27	725	20	725	19	725	20	725	16	725	13	725	12
750	47	750	33	750	23	750	23	750	23	750	19	750	15	750	14
775	54	775	40	775	28	775	28	775	27	775	23	775	18	775	17
795	60	800	48	800	33	800	34	800	32	800	27	800	23	800	20
		825	58	825	39	825	39	825	39	825	34	825	30	825	25
		850	69	850	46	850	46	850	46	850	41	850	39	850	32
		875	83	875	55	875	54	875	55	875	50	875	51	875	40
		900	100	900	65	900	64	900	65	900	60	900	65	900	49
		925	119	925	77	925	76	925	77	925	71	925	83	925	61
		940	133	950	92	950	91	950	91	950	84	950	107	950	76
				955	95	970	106	975	107	975	99	975	132	975	93
								980	110	990	109	995	152	999	113

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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	104														
175	80	190	83												
200	62	200	76	220	57										
225	49	225	62	225	55	230	58	240	49						
250	40	250	50	250	44	250	50	250	46	250	49	260	48	270	46
275	33	275	39	275	36	275	41	275	40	275	42	275	43	275	45
300	27	300	30	300	30	300	34	300	36	300	36	300	36	300	40
325	21	325	22	325	25	325	27	325	32	325	32	325	32	325	36
350	17	350	18	350	21	350	23	350	30	350	29	350	29	350	33
375	14	375	15	375	19	375	21	375	28	375	26	375	27	375	30
400	12	400	13	400	17	400	19	400	25	400	24	400	25	400	27
425	11	425	12	425	15	425	16	425	22	425	22	425	23	425	22
450	11	450	12	450	13	450	14	450	19	450	20	450	21	450	18
475	13	475	12	475	12	475	14	475	15	475	17	475	18	475	15
500	16	500	14	500	13	500	14	500	14	500	16	500	15	500	14
525	20	525	16	525	15	525	15	525	14	525	15	525	14	525	15
550	26	550	19	550	18	550	17	550	15	550	16	550	15	550	17
575	35	575	23	575	21	575	19	575	18	575	18	575	17	575	19
600	47	600	28	600	25	600	22	600	22	600	20	600	20	600	21
625	65	625	35	625	30	625	26	625	26	625	23	625	23	625	23
650	89	650	44	650	37	650	31	650	29	650	25	650	26	650	25
675	114	675	55	675	45	675	37	675	32	675	29	675	30	675	28
680	119	700	68	700	56	700	44	700	35	700	33	700	33	700	32
		725	83	725	69	725	53	725	39	725	39	725	38	725	37
		730	87	750	85	750	63	750	45	750	46	750	44	750	43
				775	104	775	75	775	51	775	54	775	51	775	50
						800	88	800	59	800	63	800	59	800	59
						825	104	825	69	825	75	825	69	825	68
						840	114	850	81	850	88	850	79	850	80
								875	96	875	103	875	90	875	93
								890	106	900	121	900	103	900	107
										910	129	925	117	925	124
												930	121	950	144

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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	94														
175	80	180	61												
200	68	200	53	220	72										
225	57	225	45	225	69	240	77								
250	48	250	38	250	56	250	72								
275	41	275	33	275	45	275	61	280	90						
300	35	300	29	300	37	300	51	300	78	310	88				
325	30	325	25	325	31	325	42	325	64	325	77	340	95		
350	26	350	22	350	26	350	35	350	52	350	62	350	87	370	77
375	23	375	19	375	22	375	29	375	43	375	49	375	69	375	74
400	21	400	17	400	19	400	25	400	35	400	40	400	55	400	60
425	20	425	15	425	17	425	21	425	29	425	32	425	45	425	49
450	19	450	14	450	15	450	19	450	25	450	27	450	36	450	40
475	20	475	14	475	14	475	17	475	22	475	24	475	30	475	33
500	21	500	14	500	14	500	15	500	20	500	21	500	25	500	27
525	24	525	16	525	14	525	14	525	18	525	18	525	21	525	22
550	27	550	18	550	14	550	13	550	15	550	15	550	17	550	18
575	31	575	20	575	15	575	13	575	13	575	13	575	14	575	15
600	36	600	24	600	17	600	13	600	12	600	12	600	12	600	12
625	43	625	29	625	20	625	15	625	12	625	11	625	11	625	11
650	52	650	35	650	23	650	18	650	13	650	12	650	11	650	11
675	64	675	44	675	29	675	22	675	16	675	14	675	11	675	11
700	78	700	54	700	37	700	27	700	19	700	17	700	13	700	13
		725	67	725	47	725	35	725	24	725	21	725	17	725	15
		750	82	750	58	750	44	750	29	750	25	750	22	750	19
		775	100	775	72	775	56	775	35	775	31	775	28	775	24
		780	104	800	89	800	70	800	43	800	38	800	37	800	31
						825	87	825	52	825	46	825	47	825	38
						830	91	850	62	850	57	850	59	850	48
								860	67	875	68	875	73	875	60
										890	76	900	91	900	74
												920	107	925	93
														950	115

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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	53	300	56
325	36	325	42	325	45
350	30	350	33	350	36
375	25	375	27	375	29
400	21	400	21	400	23
425	18	425	17	425	19
450	16	450	14	450	17
475	15	475	13	475	15
500	14	500	12	500	14
525	15	525	12	525	14
550	15	550	12	550	13
575	16	575	14	575	13
600	18	600	16	600	14
625	21	625	18	625	16
650	25	650	21	650	18
675	31	675	26	675	21
700	37	700	31	700	27
725	45	725	37	725	35
750	55	750	45	750	42
775	66	775	55	775	51
800	79	800	66	800	60
825	94	825	80	825	70
850	111	850	96	850	81
875	130	875	114	875	92
900	151	900	136	900	104

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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 2012 TCAP 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	6	75%
	2	21	5	4	80%
	3	32	5	5	100%
	4	13	5	5	100%
	5	15	6	3	50%
	6	13	4	3	75%
5	1	25	7	6	86%
	2	21	7	6	86%
	3	32	5	5	100%
	4	16	5	5	100%
	5	17	7	6	86%
	6	12	4	2	50%
6	1	28	7	5	71%
	2	21	7	5	71%
	3	32	5	5	100%
	4	12	5	5	100%
	5	18	7	5	71%
	6	12	4	3	75%
7	1	22	9	6	67%
	2	21	8	7	88%
	3	32	6	5	83%
	4	15	5	3	60%
	5	15	7	5	71%
	6	17	4	4	100%
8	1	24	7	4	57%
	2	21	7	5	71%
	3	32	6	5	83%
	4	16	5	5	100%
	5	15	6	5	83%
	6	14	4	4	100%
9	1	25	7	6	86%
	2	21	8	5	63%
	3	32	6	5	83%
	4	14	5	4	80%
	5	16	6	5	83%
	6	13	5	4	80%

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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
10	1	21	7	5	71%
	2	21	8	5	63%
	3	32	5	5	100%
	4	17	6	4	67%
	5	17	6	5	83%
	6	13	4	4	100%

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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	12	80%
	6	7	9	7	78%
4	1	14	11	9	82%
	2	9	6	5	83%
	3	11	6	5	83%
	4/5	21	15	12	80%
	6	14	10	8	80%
5	1	16	13	12	92%
	2	12	7	5	71%
	3	11	15	8	53%
	4/5	14	22	11	50%
	6	16	12	9	75%
6	1	12	8	8	100%
	2	10	6	6	100%
	3	11	9	8	89%
	4/5	16	17	13	76%
	6	11	8	6	75%
7	1/6	19	18	14	78%
	2	12	5	5	100%
	3	12	9	8	89%
	4/5	17	14	11	79%
8	1/6	14	10	8	80%
	2	15	6	6	100%
	3	12	9	8	89%
	4/5	18	11	10	91%
9	1/6	12	9	7	78%
	2	17	12	10	83%
	3	15	14	10	71%
	4/5	15	9	8	89%
10	1/6	14	10	8	80%
	2	17	14	10	71%
	3	15	22	11	50%
	4/5	14	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	34	22	15	68%
	2	17	27	14	52%
	3	17	24	12	50%
	4	15	24	14	58%
10	1/5	33	24	17	71%
	2	17	14	11	79%
	3	17	28	17	61%
	4	15	19	13	68%

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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	12	MC													*	150	-0.107			
	3	39	CR				+	2109	0.118												
	4	6	CR	*	475	-0.106															
	4	25	CR				+	2108	0.100												
	4	27	MC													*	113	-0.106			
	4	44	CR	+	475	0.117															
	4	95	CR	*	475	-0.106															
	4	114	MC				+	2108	0.100												
	6	6	CR				+	1922	0.118												
	6	11	CR				+	1922	0.206				+	20079	0.102						
	6	47	CR				+	1922	0.157												
	6	97	MC				+	1922	0.118												
	6	102	MC				+	1922	0.206				+	20079	0.102						
	7	13	CR							+	2966	0.112									
	7	25	CR				+	1860	0.105							+	154	0.176			
	7	42	CR				*	1860	-0.132												
	7	103	MC							+	2966	0.112									
	7	115	MC				+	1860	0.105							+	154	0.176			
	8	10	CR				+	1860	0.171							+	121	0.206			
	8	30	CR				+	1860	0.144												
	8	34	MC													*	121	-0.105			
	8	48	CR				+	1860	0.136												
	8	54	CR				+	1860	0.123												
	8	105	MC				+	1860	0.171							+	121	0.206			
	9	6	MC				*	1841	-0.133												
	9	24	CR				+	1841	0.110												
	9	27	CR				+	1841	0.180				+	17840	0.103						
	9	97	MC				*	1841	-0.133												

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	115	CR				+	1841	0.110												
	10	13	CR				+	1802	0.112												
	10	21	CR				+	1802	0.105												
	10	30	CR				+	1802	0.204	+	2738	0.102	+	16125	0.118						
	10	31	CR				+	1802	0.141												
	10	39	MC													*	133	-0.162			
	10	47	CR							*	2738	-0.108									
	10	51	CR				+	1802	0.140												
	10	105	MC				+	1802	0.112												
	10	113	MC				+	1802	0.105												
WRITING	3	1C	CR				+	2101	0.100												
	4	76	MC													*	113	-0.121			
	6	2D	CR													+	126	0.107			
	6	3A	CR													*	126	-0.188			
	6	81	MC													+	126	0.116			
	7	53	MC				*	1850	-0.111												
	7	57	MC													*	154	-0.110			
	8	2A	CR													+	121	0.109			
	8	91	MC													*	121	-0.116			
	9	3B	CR													+	151	0.157			
	9	72	CR							+	2853	0.101	+	17855	0.126						
	9	94	CR	*	489	-0.158	+	1823	0.102												
	10	67	MC				*	1805	-0.108							*	135	-0.143			
	10	71	CR										+	16155	0.139						

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
MATHEMATICS	4	17	MC													+	110	0.132			
	4	30	CR				+	2102	0.123	+	2889	0.110									
	5	36	CR	+	519	0.103															
	5	43	CR							*	2872	-0.119									
	6	30	MC													+	126	0.143			
	6	51	CR							*	2899	-0.122									
	6	56	MC													*	126	-0.130			
	8	30	CR							*	2985	-0.102									
	8	40	CR							*	2985	-0.130									
	8	53	CR				*	1863	-0.115												
	8	60	CR				+	1863	0.131												
	9	5	MC	*	486	-0.117				*	2860	-0.113	*	17855	-0.111						
	9	60	CR				+	1832	0.166	+	2860	0.147									
	10	20	CR				*	1810	-0.148												
	10	21	MC													*	132	-0.109			
	10	44	CR				*	1810	-0.102												
SCIENCE	8	2	MC													*	121	-0.161			
	8	24	CR				+	1862	0.189				+	18381	0.104				*	1743	-0.116
	8	65	MC													+	121	0.132			
	10	21	CR				+	1815	0.164				+	16175	0.119						
	10	40	CR				+	1815	0.206												
	10	41	CR													+	134	0.111			

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	25	CR				*	30872	-0.101
	7	115	MC				*	30872	-0.101
	8	10	CR	+	29215	0.125	*	30259	-0.126
	8	49	MC	*	29215	-0.115	+	30259	0.102
	8	105	MC	+	29215	0.125	*	30259	-0.126
Writing	4	69	CR	+	30785	0.124	*	32075	-0.125
	5	69	CR	+	30791	0.107	*	31663	-0.112
	6	73	CR	+	30070	0.106	*	31656	-0.102
	6	94	CR	+	30070	0.103	*	31656	-0.101
	7	3A	CR				*	30862	-0.106
	7	70	CR	+	29641	0.103	*	30862	-0.112
	8	75	CR	+	29079	0.113	*	30172	-0.112
	8	98	CR	+	29079	0.129	*	30172	-0.132
	9	72	CR	+	28963	0.173	*	30055	-0.164
	9	94	CR	+	28963	0.120	*	30055	-0.121
	10	71	CR	+	27734	0.146	*	28612	-0.151
Mathematics	9	5	MC				*	29993	-0.103
Science	8	24	CR	+	29209	0.136	*	30233	-0.140
	10	21	CR	+	27808	0.107			

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	32	CR													*	156	-0.163
	4	18	CR							+	91	0.196						
	4	29	CR													*	204	-0.205
	4	47	CR													*	204	-0.126
	4	107	MC							+	91	0.196						
	5	6	CR													*	179	-0.249
	5	15	MC							*	104	-0.125						
	5	21	CR													*	179	-0.185
	5	30	MC													+	179	0.102
	5	38	CR													*	179	-0.159
	5	40	CR													*	179	-0.183
	5	96	CR													*	179	-0.249
	5	105	MC							*	104	-0.125						
Reading	5	111	MC													*	179	-0.185
	6	11	CR													*	184	-0.255
	6	12	CR													*	184	-0.315
	6	18	CR							*	65	-0.193				*	184	-0.128
	6	23	CR													*	184	-0.145
	6	32	CR							*	65	-0.243	*	1464	-0.109			
	6	47	CR													*	184	-0.168
	6	49	MC													+	184	0.107
	6	102	MC													*	184	-0.255
	6	103	CR													*	184	-0.315
	6	109	MC							*	65	-0.193				*	184	-0.128
	6	114	MC													*	184	-0.145
	7	14	CR													*	217	-0.142
	7	16	MC							*	70	-0.149						

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
Reading	7	19	CR													*	217	-0.240
	7	20	CR													*	217	-0.289
	7	25	CR													*	217	-0.171
	7	44	CR													*	217	-0.134
	7	104	MC													*	217	-0.142
	7	106	CR							*	70	-0.149						
	7	109	MC													*	217	-0.240
	7	110	CR													*	217	-0.289
	7	115	MC													*	217	-0.171
	8	10	CR													*	172	-0.218
	8	19	CR													*	172	-0.133
	8	21	CR										+	814	0.131			
	8	29	MC													+	172	0.107
	8	46	CR													*	172	-0.136
	8	48	CR													*	172	-0.141
	8	49	MC													+	172	0.170
	8	105	MC													*	172	-0.218
	8	114	MC													*	172	-0.133
	9	25	MC													+	106	0.105
	9	47	MC													+	106	0.151
	10	13	CR													*	119	-0.217
	10	27	CR	*	2491	-0.111							*	391	-0.120	*	119	-0.310
	10	30	CR	+	2491	0.102										*	119	-0.198
	10	47	CR	+	2491	0.154												
	10	51	CR	+	2491	0.118												
	10	105	MC													*	119	-0.217

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
	3	1C	CR							*	54	-0.211						
	3	3	MC				+	7065	0.103									
	3	19	MC				+	7065	0.109									
	3	25	MC							*	54	-0.121						
	4	2A	CR													*	214	-0.113
	4	69	CR													*	214	-0.229
	4	76	MC													+	214	0.107
	4	80	MC				+	6439	0.121									
	4	87	MC				+	6439	0.168									
	4	92	CR				+	6439	0.121									
	5	2E	CR							*	67	-0.132						
	5	2F	CR				*	6001	-0.125									
	5	3A	CR										*	530	-0.115			
Writing	5	3B	CR				*	6001	-0.121									
	5	56	MC							*	67	-0.150						
	5	59	MC							*	67	-0.134						
	5	67	MC				+	6001	0.112									
	5	80	MC				+	6001	0.135									
	5	88	MC				+	6001	0.115									
	5	91	MC				+	6001	0.132									
	5	92	MC				+	6001	0.130									
	5	93	CR				+	6001	0.114				+	530	0.113			
	6	2B	CR				*	3602	-0.132									
	6	2C	CR				*	3602	-0.105									
	6	3B	CR				*	3602	-0.126									
	6	76	MC				+	3602	0.110									
	6	84	MC													+	392	0.131

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
	6	92	MC				+	3602	0.154									
	6	94	CR	+	4624	0.120	+	3602	0.171				+	578	0.119			
	7	2B	CR				*	2858	-0.104							*	406	-0.129
	7	3B	CR				*	2858	-0.125									
	7	70	CR	+	3580	0.123												
	7	88	MC				+	2858	0.151									
	7	90	MC							+	59	0.170						
	7	91	MC													*	406	-0.111
	7	92	MC				+	2858	0.120									
	7	93	CR	+	3580	0.156												
	8	2B	CR				*	2391	-0.116									
	8	2C	CR				*	2391	-0.112									
	8	2F	CR				*	2391	-0.104									
Writing	8	57	MC				*	2391	-0.120									
	8	75	CR	+	3018	0.157												
	8	80	MC													*	361	-0.113
	8	95	MC				+	2391	0.161									
	8	98	CR	+	3018	0.163	+	2391	0.142									
	9	2E	CR													*	451	-0.105
	9	3B	CR				*	1188	-0.106									
	9	55	MC													*	451	-0.215
	9	57	MC													*	451	-0.123
	9	67	MC				+	1188	0.100									
	9	72	CR	+	2072	0.110												
	9	91	MC				+	1188	0.152									
	9	93	MC				+	1188	0.158									
	9	94	CR	+	2072	0.146										+	451	0.141

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
Writing	10	2A	CR				*	872	-0.155							*	526	-0.123
	10	2B	CR													*	526	-0.165
	10	2C	CR													*	526	-0.116
	10	2F	CR				*	872	-0.139							*	526	-0.215
	10	3A	CR				*	872	-0.136									
	10	3B	CR				*	872	-0.177									
	10	3C	CR				*	872	-0.153									
	10	58	MC				*	872	-0.129									
	10	60	MC				*	872	-0.114							*	526	-0.135
	10	69	MC													+	526	0.105
	10	71	CR	+	1566	0.135										+	526	0.198
	10	72	MC				*	872	-0.105							*	526	-0.135
	10	76	MC				+	872	0.117									
	10	85	MC				+	872	0.114									
	10	87	MC				+	872	0.137									
	10	91	MC				+	872	0.120									
	10	95	CR	+	1566	0.125												
Mathematics	3	30	CR							+	50	0.210						
	3	37	CR				+	7567	0.155									
	4	27	CR										*	732	-0.106			
	4	32	MC							*	60	-0.137						
	4	39	MC							+	60	0.185						
	4	46	CR				*	6940	-0.161									
	4	61	CR							+	60	0.228						
	5	6	CR													*	306	-0.138
	5	8	CR				*	6245	-0.101									
	5	20	MC							*	68	-0.114						

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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)

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	5	23	CR				+	6245	0.156									
	5	35	MC							*	68	-0.127						
	6	20	CR													+	387	0.102
	6	46	CR													*	387	-0.154
	7	6	CR													+	277	0.148
	7	20	CR				+	3026	0.127							+	277	0.116
	7	26	CR													*	277	-0.186
	7	30	CR				*	3026	-0.118									
	7	48	CR				+	3026	0.181									
	7	51	CR													*	277	-0.114
	8	9	CR													*	258	-0.154
	8	25	CR													+	258	0.167
	8	26	MC													+	258	0.116
	8	27	CR				+	2528	0.146				+	366	0.109			
	8	35	CR										*	366	-0.142			
	8	47	CR										+	366	0.108			
	8	52	MC													*	258	-0.115
	8	53	CR													*	258	-0.291
	9	5	MC	*	2026	-0.120	*	1270	-0.118				*	256	-0.149	*	372	-0.145
	9	20	CR										*	256	-0.146	*	372	-0.173
	9	40	CR													+	372	0.111
	9	53	CR													*	372	-0.103
	10	6	MC				*	922	-0.112									
	10	12	CR										+	244	0.106			
	10	14	MC										*	244	-0.115	*	440	-0.105
	10	20	CR	*	1482	-0.101										*	440	-0.171

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)

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
Science	5	48	MC													*	255	-0.140
	5	50	MC													+	255	0.101
	5	57	MC													+	255	0.146
	5	68	MC													+	255	0.167
	8	16	MC													+	265	0.122
	8	24	CR													+	265	0.131
	8	59	CR										*	447	-0.125	*	265	-0.123
	10	21	CR	*	1170	-0.121	*	953	-0.127							+	461	0.227
	10	24	CR													*	461	-0.131
	10	32	CR													*	461	-0.111
	10	51	CR				*	953	-0.104									
	10	71	MC				+	953	0.102									

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	5	CR	*	377	-0.113												
	3	16	MC							+	624	0.106						
	3	17	CR	*	377	-0.117												
	3	20	CR	*	377	-0.116												
	3	32	CR	*	377	-0.195				*	624	-0.152				*	469	-0.162
	3	39	CR	*	377	-0.158												
	4	8	CR	*	421	-0.171												
	4	11	MC	+	421	0.121												
	4	18	CR	*	421	-0.102												
	4	23	CR	*	421	-0.125				*	689	-0.125						
	4	25	CR	*	421	-0.177												
	4	29	CR	*	421	-0.226				*	689	-0.149				*	456	-0.219
	4	44	CR	*	421	-0.175										*	456	-0.102
Reading	4	47	CR	*	421	-0.200				*	689	-0.127				*	456	-0.132
	4	97	MC	*	421	-0.171												
	4	100	MC	+	421	0.121												
	4	107	MC	*	421	-0.102												
	4	112	MC	*	421	-0.125				*	689	-0.125						
	4	114	MC	*	421	-0.177												
	5	6	CR	*	454	-0.120				*	747	-0.144				*	456	-0.156
	5	14	CR	*	454	-0.125												
	5	29	CR	*	454	-0.199												
	5	35	MC	+	454	0.107												
	5	38	CR	*	454	-0.273				*	747	-0.170						
	5	40	CR	*	454	-0.138				*	747	-0.130				*	456	-0.124
	5	47	CR	*	454	-0.101												
	5	96	CR	*	454	-0.120				*	747	-0.144				*	456	-0.156

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
	5	104	MC	*	454	-0.125												
	6	6	CR	*	484	-0.322										*	438	-0.145
	6	11	CR	*	484	-0.290				*	774	-0.185						
	6	12	CR	*	484	-0.201				*	774	-0.153				*	438	-0.139
	6	18	CR	*	484	-0.141				*	774	-0.115						
	6	23	CR	*	484	-0.111												
	6	28	CR	*	484	-0.115												
	6	52	MC													+	438	0.100
	6	97	MC	*	484	-0.322										*	438	-0.145
	6	102	MC	*	484	-0.290				*	774	-0.185						
	6	103	CR	*	484	-0.201				*	774	-0.153				*	438	-0.139
	6	109	MC	*	484	-0.141				*	774	-0.115						
	6	114	MC	*	484	-0.111												
Reading	7	8	CR							*	766	-0.100						
	7	19	CR	*	468	-0.196				*	766	-0.129				*	408	-0.122
	7	20	CR	*	468	-0.163				*	766	-0.163				*	408	-0.118
	7	25	CR	*	468	-0.125				*	766	-0.114				*	408	-0.131
	7	44	CR	*	468	-0.126												
	7	47	CR	*	468	-0.165												
	7	98	MC							*	766	-0.100						
	7	109	MC	*	468	-0.196				*	766	-0.129				*	408	-0.122
	7	110	CR	*	468	-0.163				*	766	-0.163				*	408	-0.118
	7	115	MC	*	468	-0.125				*	766	-0.114				*	408	-0.131
	8	6	CR	*	530	-0.131				*	796	-0.109				*	430	-0.155
	8	10	CR	*	530	-0.282				*	796	-0.206				*	430	-0.140
	8	19	CR	*	530	-0.201												
	8	20	CR	*	530	-0.198												

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	21	CR				+	3191	0.107	+	796	0.106						
	8	40	MC													+	430	0.109
	8	44	CR	*	530	-0.136												
	8	46	CR	*	530	-0.141				*	796	-0.122				*	430	-0.126
	8	48	CR	*	530	-0.184				*	796	-0.119						
	8	49	MC	+	530	0.139												
	8	101	MC	*	530	-0.131				*	796	-0.109				*	430	-0.155
	8	105	MC	*	530	-0.282				*	796	-0.206				*	430	-0.140
	8	114	MC	*	530	-0.201												
	8	115	MC	*	530	-0.198												
	9	4	CR	*	539	-0.246										*	392	-0.111
	9	10	MC	+	539	0.110												
	9	13	CR	*	539	-0.109												
Reading	9	24	CR	*	539	-0.161												
	9	27	CR	*	539	-0.217				*	741	-0.118	+	237	0.123			
	9	95	MC	*	539	-0.246										*	392	-0.111
	9	101	MC	+	539	0.110												
	9	104	MC	*	539	-0.109												
	9	115	CR	*	539	-0.161												
	10	12	MC	+	519	0.160				+	724	0.112	*	189	-0.117			
	10	13	CR	*	519	-0.199	+	2508	0.100	*	724	-0.103				*	381	-0.185
	10	14	MC	+	519	0.116										+	381	0.137
	10	21	CR	*	519	-0.141												
	10	27	CR										*	189	-0.207			
	10	30	CR	*	519	-0.112										*	381	-0.132
	10	31	CR	*	519	-0.112												
	10	45	MC	+	519	0.126												

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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
	10	47	CR				+	2508	0.119							+	381	0.121
	10	104	CR	+	519	0.160				+	724	0.112	*	189	-0.117			
Reading	10	105	MC	*	519	-0.199	+	2508	0.100	*	724	-0.103				*	381	-0.185
	10	106	MC	+	519	0.116										+	381	0.137
	10	113	MC	*	519	-0.141												
	3	1C	CR				*	2496	-0.100									
	3	3	MC				+	2496	0.108									
	3	19	MC				+	2496	0.103									
	3	38	MC	+	375	0.102												
	3	39A	CR													*	470	-0.113
	3	39C	CR	*	375	-0.104												
	4	2A	CR				*	3282	-0.131									
	4	2F	CR				*	3282	-0.103									
	4	3A	CR	*	420	-0.138				*	693	-0.110				*	457	-0.148
	4	3B	CR	*	420	-0.185				*	693	-0.165				*	457	-0.152
	4	58	MC	+	420	0.115				+	693	0.116						
Writing	4	66	MC													*	457	-0.105
	4	69	CR	*	420	-0.391				*	693	-0.316				*	457	-0.299
	4	79	MC	+	420	0.105												
	4	87	MC				+	3282	0.138	+	693	0.111						
	4	92	CR	*	420	-0.330	+	3282	0.108	*	693	-0.142				*	457	-0.114
	5	2F	CR				*	3611	-0.167									
	5	3A	CR	*	461	-0.222				*	751	-0.109				*	457	-0.218
	5	3B	CR	*	461	-0.238	*	3611	-0.115	*	751	-0.185				*	457	-0.220
	5	69	CR	*	461	-0.332				*	751	-0.252				*	457	-0.201
	5	80	MC				+	3611	0.125	+	751	0.119						
	5	88	MC	+	461	0.111				+	751	0.124				+	457	0.107

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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
	5	91	MC				+	3611	0.105									
	5	92	MC				+	3611	0.110									
	5	93	CR	*	461	-0.220	+	3611	0.106	*	751	-0.106						
	6	2B	CR				*	3504	-0.115									
	6	3A	CR	*	484	-0.179										*	437	-0.129
	6	3B	CR	*	484	-0.200	*	3504	-0.101	*	772	-0.111				*	437	-0.181
	6	73	CR	*	484	-0.238				*	772	-0.158				*	437	-0.199
	6	92	MC				+	3504	0.108									
	6	94	CR	*	484	-0.166	+	3504	0.188									
	7	3A	CR	*	474	-0.243										*	410	-0.226
	7	3B	CR	*	474	-0.255				*	764	-0.130				*	410	-0.228
	7	3C	CR	*	474	-0.138										*	410	-0.113
	7	70	CR	*	474	-0.305				*	764	-0.158				*	410	-0.219
Writing	7	71	MC													+	410	0.120
	7	93	CR	*	474	-0.235	+	3460	0.124	*	764	-0.131				*	410	-0.129
	8	2F	CR				*	3177	-0.131									
	8	3A	CR	*	536	-0.188				*	797	-0.110				*	427	-0.213
	8	3B	CR	*	536	-0.203				*	797	-0.168				*	427	-0.193
	8	57	MC										*	310	-0.106			
	8	75	CR	*	536	-0.277	+	3177	0.113	*	797	-0.135				*	427	-0.260
	8	80	MC	+	536	0.108				+	797	0.101						
	8	98	CR	*	536	-0.253	+	3177	0.163	*	797	-0.152				*	427	-0.183
	9	2E	CR										*	238	-0.155			
	9	2F	CR				*	3015	-0.100									
	9	3A	CR	*	541	-0.235				*	745	-0.180				*	396	-0.243
	9	3B	CR	*	541	-0.234				*	745	-0.186				*	396	-0.233
	9	53	MC										*	238	-0.118			

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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
Writing	9	55	MC										*	238	-0.118			
	9	72	CR	*	541	-0.299				*	745	-0.167				*	396	-0.224
	9	77	MC													+	396	0.110
	9	94	CR	*	541	-0.231	+	3015	0.162	*	745	-0.142						
	10	2A	CR				*	2502	-0.104									
	10	3A	CR	*	524	-0.177				*	721	-0.160				*	384	-0.270
	10	3B	CR	*	524	-0.166				*	721	-0.153				*	384	-0.234
	10	3C	CR													*	384	-0.120
	10	60	MC										*	189	-0.103			
	10	71	CR	*	524	-0.215	+	2502	0.105	*	721	-0.169	+	189	0.175	*	384	-0.267
	10	72	MC										*	189	-0.124			
	10	91	MC													+	384	0.102
	10	95	CR	*	524	-0.172	+	2502	0.140							*	384	-0.101
Mathematics	3	15	MC	+	382	0.104												
	3	20	CR				+	2562	0.105									
	3	25	CR	*	382	-0.134												
	3	33	MC	+	382	0.107												
	3	37	CR				+	2562	0.162	+	623	0.123						
	4	35	CR	+	422	0.176												
	4	46	CR				*	3284	-0.224	*	694	-0.108						
	4	69	CR	*	422	-0.150												
	5	6	CR				*	3610	-0.101							*	462	-0.114
	5	8	CR				*	3610	-0.113							*	462	-0.108
	5	26	CR													+	462	0.107
	5	36	CR	+	463	0.114												
	5	46	CR	*	463	-0.153												
	6	11	CR	*	492	-0.196				*	773	-0.123	*	673	-0.104	*	433	-0.220

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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	6	20	CR													+	433	0.120
	6	29	MC							+	773	0.103						
	6	33	CR							*	773	-0.138						
	6	36	CR													*	433	-0.185
	6	46	CR													*	433	-0.124
	6	53	CR													*	433	-0.102
	7	20	CR													+	410	0.139
	7	26	CR	*	475	-0.138												
	7	30	CR							*	769	-0.115				*	410	-0.108
	7	38	MC													*	410	-0.106
	7	48	CR				+	3472	0.100							+	410	0.141
	7	51	CR	*	475	-0.116				*	769	-0.107				*	410	-0.146
	7	60	CR	*	475	-0.226				*	769	-0.113						
	8	9	CR	*	531	-0.221				*	799	-0.133				*	426	-0.103
	8	20	CR	*	531	-0.120												
	8	27	CR				+	3201	0.111	+	799	0.106	+	312	0.122			
	9	2	CR	+	550	0.106				+	734	0.106						
	9	5	MC	*	550	-0.137	*	3013	-0.138	*	734	-0.122	*	237	-0.136	*	392	-0.105
	9	20	CR	*	550	-0.144										*	392	-0.158
	9	60	CR	*	550	-0.136												
	10	20	CR	*	529	-0.138										*	374	-0.149
	10	31	MC	+	529	0.162												
	10	48	CR	*	529	-0.104				*	728	-0.111						
Science	5	3	MC													*	465	-0.106
	5	75	CR							*	748	-0.119						
	8	24	CR	*	522	-0.372	*	3203	-0.105	*	801	-0.312	+	309	0.174	*	426	-0.160
	8	49	CR							+	801	0.108						

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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	59	CR													*	426	-0.144
	8	67	CR	*	522	-0.124				*	801	-0.136						
	10	10	CR							+	725	0.102						
	10	21	CR	*	521	-0.351				*	725	-0.284				*	380	-0.180
Science	10	24	CR	*	521	-0.164										*	380	-0.213
	10	32	CR										*	193	-0.132	*	380	-0.118
	10	51	CR							*	725	-0.105				*	380	-0.139
	10	66	MC										+	193	0.109			
	10	75	MC										+	193	0.108			

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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	7	3A	CR				*	7843	-0.142	*	9374	-0.123
	8	75	CR							*	8743	-0.110
	8	98	CR				*	7014	-0.102			
	9	72	CR							*	9108	-0.125
	9	94	CR							*	9108	-0.133
	10	71	CR							*	8585	-0.106
	10	95	CR				*	7140	-0.113	*	8585	-0.129
Mathematics	7	60	CR				*	7861	-0.108			
Science	8	24	CR	*	10185	-0.148	*	7022	-0.162	*	8749	-0.124

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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	5	CR										+	7974	0.113			
	3	16	MC	*	548	-0.101							*	7974	-0.124			
	3	32	CR										+	7974	0.104			
	3	39	CR	+	548	0.149	+	10968	0.111				+	7974	0.127			
	4	7	MC	*	827	-0.130							*	7998	-0.105			
	4	8	CR	+	827	0.110												
	4	25	CR	+	827	0.225							+	7998	0.109			
	4	29	CR	+	827	0.151	+	11552	0.112				+	7998	0.145			
	4	44	CR	+	827	0.145	+	11552	0.112	+	2621	0.103	+	7998	0.131			
	4	47	CR	+	827	0.136	+	11552	0.103	+	2621	0.138	+	7998	0.105			
	4	96	MC	*	827	-0.130							*	7998	-0.105			
	4	97	MC	+	827	0.110												
	4	114	MC	+	827	0.225							+	7998	0.109			
	5	6	CR										+	7198	0.115			
	5	29	CR	+	588	0.147										+	1095	0.128
	5	38	CR	+	588	0.101	+	11359	0.100				+	7198	0.118			
	5	39	CR							+	3622	0.128						
	5	96	CR										+	7198	0.115			
	6	6	CR				+	10995	0.130	+	4434	0.156	+	6064	0.131			
	6	7	MC	*	403	-0.113												
	6	11	CR	+	403	0.200	+	10995	0.211	+	4434	0.215	+	6064	0.211	+	868	0.205
	6	12	CR	+	403	0.230	+	10995	0.134	+	4434	0.121	+	6064	0.168			
	6	32	CR							+	4434	0.130						
	6	34	MC	*	403	-0.103												
	6	46	CR													+	868	0.112
	6	49	MC							*	4434	-0.151						
	6	97	MC				+	10995	0.130	+	4434	0.156	+	6064	0.131			
	6	98	MC	*	403	-0.113												
	6	102	MC	+	403	0.200	+	10995	0.211	+	4434	0.215	+	6064	0.211	+	868	0.205
	6	103	CR	+	403	0.230	+	10995	0.134	+	4434	0.121	+	6064	0.168			

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
Reading	7	4	MC	+	354	0.146												
	7	13	CR													+	657	0.257
	7	14	CR													*	657	-0.175
	7	20	CR							+	4951	0.108						
	7	25	CR							+	4951	0.139				*	657	-0.140
	7	33	MC	*	354	-0.176	*	10186	-0.110	*	4951	-0.120	*	4912	-0.122			
	7	47	CR				+	10186	0.105	+	4951	0.101	+	4912	0.120			
	7	94	MC	+	354	0.146												
	7	103	MC													+	657	0.257
	7	104	MC													*	657	-0.175
	7	110	CR							+	4951	0.108						
	7	115	MC							+	4951	0.139				*	657	-0.140
	8	4	MC													*	557	-0.183
	8	10	CR				+	9880	0.178	+	5404	0.173	+	4195	0.186			
	8	13	MC													*	557	-0.109
	8	15	MC										*	4195	-0.125			
	8	19	CR	+	301	0.121	+	9880	0.115	+	5404	0.100	+	4195	0.135	+	557	0.117
	8	20	CR													+	557	0.188
	8	21	CR													*	557	-0.119
	8	23	MC							*	5404	-0.117						
	8	27	MC	*	301	-0.107	*	9880	-0.143	*	5404	-0.164	*	4195	-0.125			
	8	30	CR													+	557	0.152
	8	31	MC							*	5404	-0.100	*	4195	-0.109			
	8	39	MC	*	301	-0.129	*	9880	-0.105				*	4195	-0.143			
	8	43	MC													*	557	-0.105
	8	46	CR	+	301	0.154				+	5404	0.144						
	8	48	CR	+	301	0.175	+	9880	0.143	+	5404	0.149	+	4195	0.161			
	8	49	MC							*	5404	-0.130						
	8	54	CR													+	557	0.174
	8	99	MC													*	557	-0.183

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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	105	MC				+	9880	0.178	+	5404	0.173	+	4195	0.186			
	8	108	CR													*	557	-0.109
	8	110	CR										*	4195	-0.125			
	8	114	MC	+	301	0.121	+	9880	0.115	+	5404	0.100	+	4195	0.135	+	557	0.117
	8	115	MC													+	557	0.188
	9	4	CR	+	261	0.185										+	684	0.162
	9	5	MC													*	684	-0.178
	9	6	MC	*	261	-0.142	*	9373	-0.130	*	5417	-0.149	*	3504	-0.117			
	9	7	CR													*	684	-0.343
	9	11	MC							*	5417	-0.103						
	9	15	MC													*	684	-0.129
	9	17	MC							*	5417	-0.100						
	9	22	CR													+	684	0.125
	9	24	CR	+	261	0.185	+	9373	0.148	+	5417	0.136	+	3504	0.160	+	684	0.205
	9	27	CR	+	261	0.264	+	9373	0.206	+	5417	0.177	+	3504	0.237	+	684	0.290
	9	31	CR										+	3504	0.102			
	9	35	MC	*	261	-0.107												
	9	40	CR	+	261	0.107	+	9373	0.100				+	3504	0.101	+	684	0.168
	9	46	MC	+	261	0.104												
	9	49	MC	*	261	-0.1												
	9	95	MC	+	261	0.185										+	684	0.162
	9	96	CR													*	684	-0.178
	9	97	MC	*	261	-0.142	*	9373	-0.130	*	5417	-0.149	*	3504	-0.117			
	9	98	MC													*	684	-0.343
	9	102	CR							*	5417	-0.103						
	9	106	MC													*	684	-0.129
	9	108	MC							*	5417	-0.100						
	9	113	MC													+	684	0.125
	9	115	CR	+	261	0.185	+	9373	0.148	+	5417	0.136	+	3504	0.160	+	684	0.205
	10	5	MC				*	8268	-0.103	*	4858	-0.112	*	2919	-0.104			

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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	10	8	MC										*	2919	-0.122			
	10	12	MC										*	2919	-0.116			
	10	13	CR				+	8268	0.183	+	4858	0.160	+	2919	0.262			
	10	21	CR				+	8268	0.133				+	2919	0.176	+	671	0.203
	10	27	CR													*	671	-0.333
	10	30	CR	+	208	0.166	+	8268	0.203	+	4858	0.224	+	2919	0.206			
	10	31	CR	+	208	0.196	+	8268	0.174	+	4858	0.169	+	2919	0.164	+	671	0.268
	10	41	MC													*	671	-0.136
	10	45	MC										*	2919	-0.124			
	10	46	MC	*	208	-0.226	*	8268	-0.154	*	4858	-0.191	*	2919	-0.135			
	10	47	CR										+	2919	0.182	+	671	0.184
	10	97	MC				*	8268	-0.103	*	4858	-0.112	*	2919	-0.104			
	10	100	MC										*	2919	-0.122			
	10	104	CR										*	2919	-0.116			
	10	105	MC				+	8268	0.183	+	4858	0.160	+	2919	0.262			
	10	113	MC				+	8268	0.133				+	2919	0.176	+	671	0.203
Writing	4	2C	CR	+	823	0.169							+	7994	0.120			
	4	2D	CR	*	823	-0.133												
	4	3A	CR													+	1715	0.127
	4	56	MC	*	823	-0.127												
	4	58	MC										*	7994	-0.104			
	4	69	CR	+	823	0.192	+	11550	0.127				+	7994	0.156	+	1715	0.130
	4	75	MC	*	823	-0.120										*	1715	-0.151
	4	92	CR	+	823	0.185	+	11550	0.116				+	7994	0.116	+	1715	0.243
	5	3B	CR													*	1105	-0.147
	5	66	MC													*	1105	-0.174
	5	67	MC													+	1105	0.103
	5	69	CR	+	590	0.186	+	11432	0.115				+	7242	0.161	+	1105	0.104

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
	5	70	MC										*	7242	-0.107			
	5	75	MC													+	1105	0.111
	5	90	MC	*	590	-0.143	*	11432	-0.111	*	3643	-0.103	*	7242	-0.121			
	5	93	CR	+	590	0.277	+	11432	0.120				+	7242	0.161	+	1105	0.247
	6	2B	CR													*	871	-0.169
	6	2C	CR													*	871	-0.112
	6	3B	CR													*	871	-0.114
	6	55	MC										*	6064	-0.102	*	871	-0.129
	6	68	MC	*	403	-0.132												
	6	73	CR	+	403	0.124												
	6	94	CR	+	403	0.173							+	6064	0.115	+	871	0.116
	7	2A	CR													*	658	-0.134
	7	2B	CR													*	658	-0.194
	7	3A	CR										+	4914	0.147			
Writing	7	53	MC													*	658	-0.112
	7	59	MC	*	354	-0.104												
	7	70	CR	+	354	0.228	+	10183	0.132				+	4914	0.190			
	7	79	MC													+	658	0.105
	7	85	MC	*	354	-0.174	*	10183	-0.160	*	4945	-0.129	*	4914	-0.201			
	7	87	MC													+	658	0.153
	7	91	MC	*	354	-0.230	*	10183	-0.192	*	4945	-0.135	*	4914	-0.255	*	658	-0.180
	7	93	CR										+	4914	0.117	+	658	0.152
	8	2B	CR													*	554	-0.124
	8	2C	CR													*	554	-0.106
	8	2F	CR	+	300	0.109												
	8	3B	CR													*	554	-0.134
	8	57	MC										*	4198	-0.104			
	8	59	MC													*	554	-0.221
	8	61	MC	*	300	-0.127	*	9877	-0.143	*	5400	-0.104	*	4198	-0.206			

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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	8	62	MC													+	554	0.115
	8	75	CR	+	300	0.132	+	9877	0.136	+	5400	0.105	+	4198	0.191			
	8	80	MC	*	300	-0.206	*	9877	-0.179				*	4198	-0.300	*	554	-0.307
	8	83	MC	*	300	-0.140	*	9877	-0.137	*	5400	-0.148	*	4198	-0.148			
	8	86	MC													+	554	0.113
	8	91	MC	*	300	-0.130				*	5400	-0.119						
	8	96	MC													+	554	0.143
	8	98	CR	+	300	0.330	+	9877	0.119				+	4198	0.175	+	554	0.224
	9	2D	CR	+	262	0.113												
	9	2E	CR										*	3511	-0.102			
	9	2F	CR	+	262	0.143												
	9	55	MC	*	262	-0.126	*	9383	-0.159				*	3511	-0.267	*	681	-0.199
	9	57	MC										*	3511	-0.102	*	681	-0.226
	9	66	MC	*	262	-0.152	*	9383	-0.115	*	5424	-0.119	*	3511	-0.133			
	9	72	CR	+	262	0.182	+	9383	0.185	+	5424	0.149	+	3511	0.288			
	9	78	MC													+	681	0.108
	9	88	MC													+	681	0.112
	9	94	CR				+	9383	0.145	+	5424	0.103	+	3511	0.204	+	681	0.166
	10	2A	CR	*	209	-0.104							*	2940	-0.144	*	684	-0.134
	10	2B	CR										*	2940	-0.101	*	684	-0.240
	10	2C	CR													*	684	-0.128
	10	2F	CR													*	684	-0.335
	10	60	MC	*	209	-0.162	*	8305	-0.146	*	4860	-0.128	*	2940	-0.195			
	10	62	MC													+	684	0.111
	10	63	MC										*	2940	-0.109			
	10	69	MC													+	684	0.111
	10	71	CR	+	209	0.149	+	8305	0.218	+	4860	0.160	+	2940	0.330	+	684	0.148
	10	72	MC										*	2940	-0.170	*	684	-0.128
	10	73	MC				*	8305	-0.105	*	4860	-0.109	*	2940	-0.120			
	10	75	MC										*	2940	-0.105			

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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	80	MC													+	684	0.102
	10	83	MC													+	684	0.158
	10	84	MC													+	684	0.118
	10	91	MC													+	684	0.128
	10	95	CR	+	209	0.168	+	8305	0.126	+	4860	0.115	+	2940	0.186			
Mathematics	3	33	MC										*	8611	-0.119			
	4	7	CR													+	1823	0.143
	4	14	CR													*	1823	-0.193
	4	18	CR													*	1823	-0.101
	4	27	CR	+	862	0.155												
	4	30	CR													+	1823	0.115
	4	46	CR													*	1823	-0.169
	4	69	CR	+	862	0.252	+	11618	0.105				+	8006	0.133			
	5	6	CR													*	1126	-0.213
	5	26	CR													+	1126	0.117
	5	49	CR	*	589	-0.100												
	5	52	MC													+	1126	0.106
	5	60	MC													+	1126	0.104
	5	69	CR	+	589	0.185				+	3649	0.119						
	6	11	CR	+	405	0.152							+	6053	0.141			
	6	13	CR	+	405	0.102												
	6	20	CR													+	884	0.129
	6	23	CR													*	884	-0.124
	6	33	CR													*	884	-0.116
	6	36	CR													*	884	-0.200
	6	39	MC													+	884	0.114
	6	44	MC										*	6053	-0.105			
	6	46	CR													*	884	-0.263
	6	53	CR													*	884	-0.164
	6	54	MC													+	884	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
	7	6	CR													+	670	0.109
	7	20	CR							*	4953	-0.109				+	670	0.101
	7	26	CR													*	670	-0.177
	7	40	CR	+	356	0.136												
	7	42	MC										*	4914	-0.101			
	7	51	CR													*	670	-0.174
	8	9	CR													*	564	-0.178
	8	18	CR	+	303	0.142												
	8	20	CR				*	9893	-0.118	*	5405	-0.132	*	4203	-0.112			
	8	22	MC													+	564	0.138
	8	25	CR													+	564	0.135
	8	35	CR										*	4203	-0.119	*	564	-0.149
	8	53	CR	*	303	-0.195	*	9893	-0.125				*	4203	-0.176	*	564	-0.355
Mathematics	8	60	CR	+	303	0.133	+	9893	0.111				+	4203	0.174	+	564	0.231
	9	2	CR													+	694	0.148
	9	5	MC				*	9407	-0.109				*	3524	-0.142	*	694	-0.112
	9	7	CR							*	5422	-0.113						
	9	16	MC													*	694	-0.139
	9	20	CR										*	3524	-0.119	*	694	-0.231
	9	47	MC													*	694	-0.129
	9	53	CR													*	694	-0.113
	9	60	CR				+	9407	0.151	+	5422	0.154	+	3524	0.148			
	10	20	CR													*	690	-0.256
	10	25	CR							+	4869	0.108	+	2936	0.106			
	10	29	CR													*	690	-0.109
	10	44	CR										*	2936	-0.109	*	690	-0.121
	10	51	MC													*	690	-0.118

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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
	5	61	MC	+	589	0.114												
	5	68	MC													+	1120	0.127
	8	16	MC	+	300	0.103												
	8	22	CR	*	300	-0.124												
	8	24	CR				+	9868	0.221	+	5399	0.207	+	4183	0.239	+	563	0.173
	8	47	MC													*	563	-0.108
	8	49	CR	*	300	-0.218							*	4183	-0.110	*	563	-0.111
	8	59	CR													*	563	-0.109
	8	79	MC	*	300	-0.143												
	8	80	MC	+	300	0.119												
Science	10	2	MC													+	691	0.108
	10	5	MC													+	691	0.104
	10	21	CR	+	201	0.254	+	8311	0.244	+	4868	0.225	+	2937	0.302			
	10	24	CR				+	8311	0.133	+	4868	0.168	+	2937	0.175	*	691	-0.312
	10	32	CR													*	691	-0.169
	10	36	MC	+	201	0.104												
	10	51	CR							+	4868	0.103						
	10	53	MC													+	691	0.108
	10	66	MC													+	691	0.103
	10	76	CR	*	201	-0.146				*	4868	-0.117						
	10	82	CR													*	691	-0.174

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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
Reading	3	23	CR				*	752	-0.113						
	3	32	CR	*	415	-0.111	*	752	-0.156						
	3	39	CR	*	415	-0.120									
	4	18	CR				*	1143	-0.162						
	4	25	CR	*	523	-0.133									
	4	29	CR	*	523	-0.156	*	1143	-0.186						
	4	44	CR	*	523	-0.120	*	1143	-0.108						
	4	47	CR				*	1143	-0.111						
	4	107	MC				*	1143	-0.162						
	4	114	MC	*	523	-0.133									
	5	6	CR	*	627	-0.116									
	5	14	CR	*	627	-0.172									
	5	21	CR	*	627	-0.104	*	1292	-0.102						
	5	38	CR	*	627	-0.177									
	5	39	CR	*	627	-0.123									
	5	40	CR	*	627	-0.132									
	5	96	CR	*	627	-0.116									
	5	104	MC	*	627	-0.172									
	5	111	MC	*	627	-0.104	*	1292	-0.102						
	6	6	CR	*	767	-0.122							+	11258	0.119
	6	11	CR	*	767	-0.191	*	1493	-0.101						
	6	18	CR	*	767	-0.116									
	6	32	CR				*	1493	-0.146						
	6	47	CR	*	767	-0.121									
	6	97	MC	*	767	-0.122							+	11258	0.119
	6	102	MC	*	767	-0.191	*	1493	-0.101						
	6	109	MC	*	767	-0.116									
	7	8	CR	*	807	-0.112									
	7	20	CR				*	1457	-0.121						
	7	25	CR	*	807	-0.126									
	7	47	CR	*	807	-0.123									
	7	98	MC	*	807	-0.112									
	7	110	CR				*	1457	-0.121						
	7	115	MC	*	807	-0.126									
	8	10	CR	*	913	-0.171							+	8946	0.140
	8	20	CR				*	1500	-0.108						
	8	46	CR	*	913	-0.110									
	8	48	CR	*	913	-0.139									
	8	105	MC	*	913	-0.171							+	8946	0.140
	8	115	MC				*	1500	-0.108						
	9	22	CR	*	1008	-0.102									
	9	24	CR										+	4129	0.210
	9	27	CR	*	1008	-0.122							+	4129	0.149
	9	113	MC	*	1008	-0.102									
	9	115	CR										+	4129	0.210
	10	13	CR	*	951	-0.151									
	10	27	CR				*	1348	-0.101						
	10	30	CR	*	951	-0.119							+	3655	0.175
	10	31	CR	*	951	-0.115							+	3655	0.109
	10	46	MC										*	3655	-0.114
	10	105	MC	*	951	-0.151									

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Table 247. 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	3	28A	CR				*	730	-0.127						
	3	31	MC				+	730	0.136						
	3	39A	CR				*	730	-0.128						
	4	3B	CR				*	1139	-0.111						
	4	69	CR	*	522	-0.149	*	1139	-0.125	*	6115	-0.130			
	4	87	MC							+	6115	0.107			
	4	92	CR	*	522	-0.153									
	5	2F	CR							*	6263	-0.106			
	5	3A	CR	*	623	-0.110									
	5	3B	CR	*	623	-0.119	*	1280	-0.103	*	6263	-0.134			
	5	69	CR	*	623	-0.202	*	1280	-0.107						
	5	80	MC							+	6263	0.105			
	5	93	CR	*	623	-0.204									
	6	3B	CR							*	5856	-0.110			
	6	73	CR	*	768	-0.124									
	6	94	CR	*	768	-0.137									
	7	3A	CR	*	808	-0.117							+	9095	0.120
	7	3B	CR	*	808	-0.111				*	5619	-0.104			
	7	70	CR	*	808	-0.124									
	7	91	MC										*	9095	-0.100
	7	93	CR	*	808	-0.124									
	8	3B	CR				*	1492	-0.110						
	8	75	CR	*	905	-0.139									
	9	55	MC										*	4128	-0.111
	9	72	CR	*	1004	-0.158							+	4128	0.116
	9	94	CR	*	1004	-0.159							+	4128	0.124
	10	2E	CR				+	1345	0.112						
	10	3A	CR										+	3664	0.123
	10	3B	CR							*	4317	-0.100	+	3664	0.114
	10	71	CR	*	953	-0.161							+	3664	0.143
	10	95	CR	*	953	-0.119									
Mathematics	4	23	CR	+	522	0.137									
	4	46	CR							*	6132	-0.128			
	5	69	CR	+	630	0.112									
	7	20	CR				+	1457	0.119						
	7	56	CR				+	1457	0.122						
	7	60	CR				+	1457	0.106						
	8	20	CR										*	8943	-0.106
	8	60	CR										+	8943	0.101
	9	5	MC	*	1003	-0.101				*	4922	-0.132	*	4134	-0.111
	9	7	CR										*	4134	-0.135
	9	60	CR										+	4134	0.104
Science	8	24	CR	*	910	-0.245				*	5252	-0.151	+	8916	0.143
	10	21	CR							*	4332	-0.145	+	3661	0.124
	10	24	CR	*	962	-0.117									

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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	17	CR				+	734	0.102						
	4	6	CR				+	555	0.116						
	4	8	CR				+	555	0.135						
	4	25	CR							+	200	0.152			
	4	44	CR				+	555	0.144	+	200	0.201			
	4	95	CR				+	555	0.116						
	4	97	MC				+	555	0.135						
	4	114	MC							+	200	0.152			
	5	7	MC				*	586	-0.101						
	5	29	CR				+	586	0.161						
	5	38	CR				+	586	0.119						
	5	40	CR				+	586	0.123						
	5	47	CR				+	586	0.123						
	5	97	MC				*	586	-0.101						
	6	11	CR				+	499	0.210	+	174	0.219			
	6	28	CR				+	499	0.126						
	6	34	MC							*	174	-0.113			
	6	46	CR				+	499	0.108						
	6	47	CR				+	499	0.101						
	6	49	MC							*	174	-0.147			
	6	102	MC				+	499	0.210	+	174	0.219			
	7	4	MC				+	525	0.107						
	7	7	MC							*	161	-0.111			
	7	13	CR				+	525	0.236	+	161	0.109			
	7	38	MC				*	525	-0.137						
Reading	7	94	MC				+	525	0.107						
	7	97	CR							*	161	-0.111			
	7	103	MC				+	525	0.236	+	161	0.109			
	8	4	MC				*	497	-0.128						
	8	10	CR				+	497	0.154						
	8	14	MC				*	497	-0.125						
	8	20	CR				+	497	0.109	+	181	0.137			
	8	27	MC				*	497	-0.142	*	181	-0.116			
	8	30	CR				+	497	0.123						
	8	39	MC				*	497	-0.104	*	181	-0.104			
	8	46	CR							+	181	0.193			
	8	54	CR				+	497	0.148	+	181	0.104			
	8	55	MC				+	497	0.102						
	8	99	MC				*	497	-0.128						
	8	105	MC				+	497	0.154						
	8	109	MC				*	497	-0.125						
	8	115	MC				+	497	0.109	+	181	0.137			
	9	4	CR				+	528	0.121						
	9	6	MC							*	165	-0.107			
	9	7	CR				*	528	-0.153						
	9	10	MC							*	165	-0.126			
	9	12	MC							*	165	-0.113			
	9	13	CR							+	165	0.117			
	9	17	MC							*	165	-0.104			
	9	24	CR				+	528	0.184	+	165	0.123			
	9	25	MC							*	165	-0.101			

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 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	9	27	CR				+	528	0.328	+	165	0.259			
	9	40	CR				+	528	0.126	+	165	0.140			
	9	95	MC				+	528	0.121						
	9	97	MC							*	165	-0.107			
	9	98	MC				*	528	-0.153						
	9	101	MC							*	165	-0.126			
	9	103	MC							*	165	-0.113			
	9	104	MC							+	165	0.117			
	9	108	MC							*	165	-0.104			
	9	115	CR				+	528	0.184	+	165	0.123			
	10	5	MC							*	143	-0.104			
	10	8	MC							*	143	-0.134			
	10	11	CR	+	701	0.102									
	10	13	CR							+	143	0.223			
	10	21	CR				+	574	0.173	+	143	0.139			
	10	27	CR				*	574	-0.182						
	10	30	CR				+	574	0.102	+	143	0.177			
	10	31	CR				+	574	0.260	+	143	0.174			
	10	43	MC							*	143	-0.116			
	10	46	MC							*	143	-0.121			
	10	47	CR							+	143	0.293			
	10	97	MC							*	143	-0.104			
	10	100	MC							*	143	-0.134			
	10	103	MC	+	701	0.102									
	10	105	MC							+	143	0.223			
	10	113	MC				+	574	0.173	+	143	0.139			
Writing	3	39C	CR							+	211	0.114			
	4	2C	CR				+	552	0.118						
	4	52	MC				*	552	-0.113						
	4	75	MC				*	552	-0.129						
	4	82	MC							*	200	-0.107			
	4	92	CR							+	200	0.221			
	5	66	MC				*	587	-0.105						
	5	90	MC				*	587	-0.114	*	188	-0.106			
	6	2D	CR				+	500	0.108						
	6	55	MC				*	500	-0.141	*	173	-0.125			
	6	65	MC							*	173	-0.117			
	6	81	MC							+	173	0.140			
	6	94	CR							+	173	0.197			
	7	2B	CR				*	526	-0.176						
	7	3A	CR							+	160	0.188			
	7	53	MC				*	526	-0.142						
	7	85	MC				*	526	-0.163	*	160	-0.183			
	7	91	MC				*	526	-0.227	*	160	-0.227			

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 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	2F	CR							+	180	0.109			
	8	59	MC				*	494	-0.107						
	8	61	MC				*	494	-0.116						
	8	68	MC							+	180	0.122			
	8	75	CR							+	180	0.258			
	8	80	MC				*	494	-0.290	*	180	-0.241			
	8	83	MC							*	180	-0.175			
	8	91	MC							*	180	-0.105			
	8	96	MC							+	180	0.111			
	8	98	CR				+	494	0.157						
	9	2D	CR							+	166	0.102			
	9	55	MC				*	527	-0.204	*	166	-0.190			
	9	57	MC				*	527	-0.173	*	166	-0.119			
	9	66	MC							*	166	-0.140			
	9	90	MC							+	166	0.100			
	9	94	CR				+	527	0.128						
	10	2A	CR							*	146	-0.132			
	10	2B	CR				*	579	-0.156	*	146	-0.141			
	10	2C	CR							*	146	-0.129			
	10	2F	CR				*	579	-0.259	*	146	-0.231			
	10	60	MC							*	146	-0.150			
	10	62	MC				+	579	0.109						
	10	69	MC				+	579	0.119						
	10	71	CR				+	579	0.150						
	10	72	MC				*	579	-0.156	*	146	-0.150			
	10	73	MC							*	146	-0.114			
	10	82	MC							*	146	-0.106			
	10	83	MC				+	578	0.103	+	146	0.113			
	10	84	MC				+	578	0.104						
	10	91	MC				+	579	0.109	+	146	0.105			
Mathematics	3	15	MC				*	805	-0.111	*	218	-0.125			
	3	25	CR				+	805	0.110						
	3	37	CR				*	805	-0.121						
	4	7	CR							+	201	0.106			
	4	14	CR				*	586	-0.193						
	4	41	CR							+	201	0.137			
	5	6	CR							*	189	-0.140			
	6	11	CR				*	506	-0.113						
	6	36	CR				*	506	-0.128						
	6	39	MC							+	176	0.126			
	6	44	MC				*	506	-0.142	*	176	-0.122			
	6	46	CR				*	506	-0.187						
	6	54	MC				+	506	0.105	+	176	0.106			
	6	60	CR	*	1001	-0.100									
	7	6	CR				+	529	0.167						
	7	40	CR				+	529	0.142						
	7	42	MC				*	529	-0.104						

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 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	8	9	CR				*	501	-0.128						
	8	20	CR	*	910	-0.118									
	8	25	CR				+	501	0.153						
	8	29	MC							+	181	0.107			
	8	35	CR				*	501	-0.127						
	8	38	MC							+	181	0.108			
	8	47	CR				*	501	-0.112						
	8	53	CR				*	501	-0.377						
	8	60	CR	+	910	0.113	+	501	0.221						
	9	5	MC	*	721	-0.145	*	530	-0.111	*	168	-0.127	*	18083	-0.119
	9	16	MC				*	530	-0.122						
	9	20	CR				*	530	-0.193						
	9	53	CR	*	721	-0.103	*	530	-0.119						
	9	60	CR				+	530	0.139						
	10	20	CR	*	718	-0.101	*	578	-0.189						
	10	29	CR				*	578	-0.149						
	10	35	CR							*	146	-0.162			
	10	44	CR				*	578	-0.154	*	146	-0.158			
	10	52	CR				+	578	0.130						
	10	60	CR				+	578	0.107						
Science	8	24	CR				+	496	0.286						
	8	49	CR				*	496	-0.190						
	8	59	CR				*	496	-0.125						
	8	67	CR							+	180	0.202			
	8	74	MC				+	496	0.118						
	10	21	CR				+	580	0.219						
	10	24	CR				*	580	-0.216						
	10	28	MC							+	149	0.101			
	10	32	CR				*	580	-0.120						
	10	46	MC							+	149	0.126			
	10	82	CR				*	580	-0.121						

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	0.79	0.74	
	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	0.81	0.77	0.83
	Writing		1.00	0.79	0.78
	Mathematics			1.00	0.84
	Science				1.00
6	Reading	1.00	0.84	0.78	
	Writing		1.00	0.78	
	Mathematics			1.00	
7	Reading	1.00	0.82	0.79	
	Writing		1.00	0.77	
	Mathematics			1.00	
8	Reading	1.00	0.84	0.76	0.84
	Writing		1.00	0.76	0.80
	Mathematics			1.00	0.86
	Science				1.00
9	Reading	1.00	0.86	0.76	
	Writing		1.00	0.76	
	Mathematics			1.00	
10	Reading	1.00	0.85	0.76	0.81
	Writing		1.00	0.76	0.78
	Mathematics			1.00	0.85
	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	0.77	
	Writing		1.00	0.77	
	Mathematics			1.00	
4	Reading	1.00	0.85	0.79	
	Writing		1.00	0.77	
	Mathematics			1.00	
5	Reading	1.00	0.85	0.79	0.87
	Writing		1.00	0.79	0.79
	Mathematics			1.00	0.84
	Science				1.00
6	Reading	1.00	0.86	0.79	
	Writing		1.00	0.78	
	Mathematics			1.00	
7	Reading	1.00	0.85	0.80	
	Writing		1.00	0.78	
	Mathematics			1.00	
8	Reading	1.00	0.86	0.77	0.85
	Writing		1.00	0.77	0.82
	Mathematics			1.00	0.87
	Science				1.00
9	Reading	1.00	0.88	0.78	
	Writing		1.00	0.78	
	Mathematics			1.00	
10	Reading	1.00	0.87	0.77	0.82
	Writing		1.00	0.76	0.78
	Mathematics			1.00	0.85
	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	-0.071	-0.115	-0.030	0.028	-0.092	-0.270
	4	-0.085	-0.118	-0.029	0.026	-0.095	-0.280
	5	-0.103	-0.111	-0.032	0.035	-0.101	-0.293
	6	-0.121	-0.140	-0.031	0.027	-0.105	-0.307
	7	-0.129	-0.131	-0.029	0.028	-0.109	-0.291
	8	-0.121	-0.149	-0.034	0.036	-0.112	-0.306
	9	-0.185	-0.156	-0.027	0.042	-0.104	-0.291
	10	-0.194	-0.187	-0.025	0.030	-0.110	-0.254
Writing	3	-0.085	-0.162	-0.033	0.040	-0.090	-0.239
	4	-0.091	-0.176	-0.039	0.057	-0.092	-0.267
	5	-0.109	-0.179	-0.035	0.062	-0.091	-0.266
	6	-0.130	-0.199	-0.037	0.048	-0.094	-0.266
	7	-0.142	-0.228	-0.033	0.060	-0.097	-0.259
	8	-0.135	-0.226	-0.042	0.054	-0.095	-0.267
	9	-0.197	-0.206	-0.029	0.045	-0.104	-0.279
	10	-0.194	-0.214	-0.034	0.038	-0.107	-0.257
Mathematics	3	-0.052	0.037	-0.029	0.062	-0.127	-0.298
	4	-0.078	0.025	-0.036	0.070	-0.132	-0.295
	5	-0.107	-0.004	-0.034	0.080	-0.133	-0.285
	6	-0.133	-0.006	-0.037	0.075	-0.128	-0.286
	7	-0.143	-0.017	-0.033	0.070	-0.133	-0.291
	8	-0.133	-0.012	-0.037	0.085	-0.136	-0.285
	9	-0.215	0.007	-0.030	0.080	-0.128	-0.291
	10	-0.208	0.011	-0.033	0.071	-0.135	-0.285
Science	5	-0.079	0.010	-0.034	0.036	-0.136	-0.347
	8	-0.120	-0.018	-0.036	0.051	-0.127	-0.314
	10	-0.183	0.011	-0.028	0.025	-0.139	-0.319
Reading Spanish	3	-0.067	-0.172	-0.013			-0.001
	4	-0.028	-0.211				
Writing Spanish	3	-0.052	-0.188	0.019			-0.014
	4	0.043	-0.249				

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Table 252. Predictive Validity Coefficients

Content Area	Grade in 2011	Grade in 2012	Number Matched	Reliability 2011	Reliability 2012	Correlation $r_{2011\text{-}2012}$	Validity Coefficient
Reading	3	4	57934	0.94	0.94	0.83	0.88
	4	5	58563	0.93	0.94	0.87	0.93
	5	6	57968	0.93	0.93	0.87	0.94
	6	7	56923	0.93	0.93	0.87	0.93
	7	8	56177	0.93	0.93	0.87	0.94
	8	9	54344	0.93	0.92	0.86	0.93
	9	10	52626	0.94	0.93	0.85	0.90
Writing	3	4	58076	0.90	0.91	0.75	0.83
	4	5	59221	0.91	0.92	0.77	0.84
	5	6	58107	0.91	0.91	0.80	0.88
	6	7	57245	0.91	0.92	0.79	0.86
	7	8	56251	0.90	0.91	0.81	0.89
	8	9	54354	0.92	0.92	0.82	0.89
	9	10	52836	0.92	0.92	0.80	0.87
Mathematics	3	4	59388	0.94	0.95	0.85	0.90
	4	5	59207	0.94	0.94	0.89	0.94
	5	6	57909	0.94	0.94	0.89	0.94
	6	7	56893	0.93	0.94	0.89	0.95
	7	8	55977	0.94	0.94	0.90	0.96
	8	9	53589	0.93	0.94	0.89	0.95
	9	10	52334	0.93	0.94	0.90	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	0.0409	0.0112	0.0004	0.0000	0.0525
Partially Proficient	0.0107	0.0668	0.0331	0.0000	0.1107
Proficient	0.0003	0.0326	0.5318	0.0679	0.6325
Advanced	0.0000	0.0000	0.0632	0.1411	0.2043
Sum	0.0519	0.1107	0.6285	0.2090	0.2609
Observed Score Dist.	0.0796	0.1770	0.6670	0.0720	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9774	0.9337	0.8689	0.7805
Chance Probability (Pc)	0.9011	0.7273	0.6721	0.4552
Kappa	0.7712	0.7567	0.6000	0.5972
Classification Accuracy	0.9837	0.9550	0.9025	0.8412

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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	0.0908	0.0196	0.0000	0.0000	0.1104
Partially Proficient	0.0181	0.1603	0.0385	0.0000	0.2169
Proficient	0.0000	0.0422	0.5480	0.0233	0.6135
Advanced	0.0000	0.0000	0.0227	0.0366	0.0592
Sum	0.1088	0.2221	0.6092	0.0598	0.1686
Observed Score Dist.	0.1053	0.2213	0.6257	0.0443	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9623	0.9193	0.9540	0.8356
Chance Probability (Pc)	0.8048	0.5584	0.8880	0.4375
Kappa	0.8069	0.8172	0.5896	0.7078
Classification Accuracy	0.9734	0.9456	0.9643	0.8833

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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	0.1002	0.0190	0.0002	0.0000	0.1193
Partially Proficient	0.0184	0.1324	0.0347	0.0000	0.1854
Proficient	0.0002	0.0362	0.5342	0.0294	0.6000
Advanced	0.0000	0.0000	0.0322	0.0631	0.0953
Sum	0.1188	0.1875	0.6012	0.0925	0.2113
Observed Score Dist.	0.1153	0.1834	0.6124	0.0815	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9623	0.9288	0.9384	0.8298
Chance Probability (Pc)	0.7903	0.5756	0.8298	0.4185
Kappa	0.8202	0.8322	0.6378	0.7074
Classification Accuracy	0.9719	0.9482	0.9557	0.8757

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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	0.0642	0.0134	0.0000	0.0000	0.0776
Partially Proficient	0.0139	0.1252	0.0356	0.0000	0.1747
Proficient	0.0000	0.0334	0.5305	0.0421	0.6061
Advanced	0.0000	0.0000	0.0427	0.0990	0.1417
Sum	0.0781	0.1720	0.6087	0.1411	0.2192
Observed Score Dist.	0.0849	0.1796	0.6156	0.1151	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9726	0.9310	0.9152	0.8189
Chance Probability (Pc)	0.8564	0.6238	0.7572	0.4250
Kappa	0.8095	0.8166	0.6507	0.6850
Classification Accuracy	0.9809	0.9529	0.9402	0.8739

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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	0.1006	0.0189	0.0000	0.0000	0.1195
Partially Proficient	0.0194	0.1360	0.0365	0.0000	0.1919
Proficient	0.0000	0.0498	0.4934	0.0353	0.5785
Advanced	0.0000	0.0000	0.0407	0.0694	0.1101
Sum	0.1200	0.2048	0.5705	0.1047	0.2247
Observed Score Dist.	0.1139	0.1982	0.5931	0.0895	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9617	0.9137	0.9240	0.7994
Chance Probability (Pc)	0.7892	0.5661	0.8082	0.3952
Kappa	0.8184	0.8011	0.6038	0.6684
Classification Accuracy	0.9746	0.9381	0.9448	0.8576

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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	0.0895	0.0181	0.0000	0.0000	0.1076
Partially Proficient	0.0189	0.1569	0.0458	0.0000	0.2216
Proficient	0.0000	0.0421	0.4995	0.0338	0.5754
Advanced	0.0000	0.0000	0.0301	0.0653	0.0955
Sum	0.1084	0.2171	0.5754	0.0991	0.2075
Observed Score Dist.	0.1045	0.2177	0.5888	0.0817	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9630	0.9122	0.9361	0.8112
Chance Probability (Pc)	0.8074	0.5596	0.8243	0.4003
Kappa	0.8077	0.8006	0.6361	0.6852
Classification Accuracy	0.9731	0.9404	0.9539	0.8674

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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	0.0575	0.0163	0.0000	0.0000	0.0738
Partially Proficient	0.0148	0.1868	0.0433	0.0000	0.2450
Proficient	0.0000	0.0452	0.5679	0.0189	0.6320
Advanced	0.0000	0.0000	0.0195	0.0298	0.0493
Sum	0.0723	0.2482	0.6307	0.0487	0.1210
Observed Score Dist.	0.0660	0.2450	0.6343	0.0395	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9689	0.9115	0.9615	0.8420
Chance Probability (Pc)	0.8646	0.5651	0.9068	0.4671
Kappa	0.7706	0.7966	0.5871	0.7034
Classification Accuracy	0.9783	0.9360	0.9738	0.8881

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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	0.0641	0.0133	0.0000	0.0000	0.0774
Partially Proficient	0.0150	0.1712	0.0390	0.0000	0.2252
Proficient	0.0000	0.0441	0.5376	0.0244	0.6062
Advanced	0.0000	0.0000	0.0305	0.0607	0.0912
Sum	0.0791	0.2286	0.6072	0.0851	0.1642
Observed Score Dist.	0.0722	0.2209	0.6045	0.0776	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9716	0.9169	0.9451	0.8336
Chance Probability (Pc)	0.8558	0.5759	0.8392	0.4334
Kappa	0.8032	0.8040	0.6584	0.7062
Classification Accuracy	0.9804	0.9422	0.9596	0.8822

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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	0.0480	0.0141	0.0000	0.0000	0.0621
Partially Proficient	0.0138	0.3321	0.0631	0.0004	0.4093
Proficient	0.0000	0.0667	0.3282	0.0369	0.4318
Advanced	0.0000	0.0000	0.0355	0.0613	0.0967
Sum	0.0618	0.4129	0.4267	0.0986	0.1604
Observed Score Dist.	0.0577	0.4131	0.4520	0.0726	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9721	0.8699	0.9272	0.7696
Chance Probability (Pc)	0.8838	0.5014	0.8238	0.3667
Kappa	0.7602	0.7390	0.5870	0.6362
Classification Accuracy	0.9798	0.9072	0.9457	0.8327

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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	0.0616	0.0174	0.0000	0.0000	0.0790
Partially Proficient	0.0208	0.3516	0.0561	0.0000	0.4285
Proficient	0.0000	0.0562	0.3156	0.0325	0.4043
Advanced	0.0000	0.0000	0.0293	0.0588	0.0882
Sum	0.0824	0.4252	0.4010	0.0913	0.1737
Observed Score Dist.	0.0751	0.4280	0.4212	0.0715	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9618	0.8877	0.9382	0.7877
Chance Probability (Pc)	0.8516	0.5001	0.8366	0.3589
Kappa	0.7426	0.7753	0.6219	0.6688
Classification Accuracy	0.9727	0.9145	0.9570	0.8441

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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	0.0431	0.0139	0.0000	0.0000	0.0570
Partially Proficient	0.0136	0.2936	0.0488	0.0000	0.3559
Proficient	0.0000	0.0521	0.3669	0.0418	0.4609
Advanced	0.0000	0.0000	0.0364	0.0898	0.1262
Sum	0.0567	0.3596	0.4521	0.1316	0.1883
Observed Score Dist.	0.0519	0.3598	0.4759	0.1084	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9725	0.8991	0.9218	0.7934
Chance Probability (Pc)	0.8928	0.5146	0.7754	0.3562
Kappa	0.7434	0.7921	0.6518	0.6790
Classification Accuracy	0.9803	0.9268	0.9432	0.8503

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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	0.0408	0.0151	0.0000	0.0000	0.0559
Partially Proficient	0.0147	0.3135	0.0536	0.0000	0.3818
Proficient	0.0000	0.0619	0.3557	0.0345	0.4521
Advanced	0.0000	0.0000	0.0349	0.0752	0.1102
Sum	0.0556	0.3905	0.4443	0.1097	0.1653
Observed Score Dist.	0.0520	0.3819	0.4669	0.0936	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9702	0.8845	0.9306	0.7853
Chance Probability (Pc)	0.8948	0.5067	0.8043	0.3651
Kappa	0.7171	0.7658	0.6452	0.6618
Classification Accuracy	0.9796	0.9225	0.9512	0.8533

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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	0.0240	0.0122	0.0000	0.0000	0.0362
Partially Proficient	0.0114	0.2830	0.0547	0.0000	0.3491
Proficient	0.0000	0.0500	0.3566	0.0472	0.4538
Advanced	0.0000	0.0000	0.0421	0.1188	0.1609
Sum	0.0354	0.3452	0.4534	0.1660	0.2014
Observed Score Dist.	0.0301	0.3468	0.4766	0.1410	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9764	0.8953	0.9106	0.7824
Chance Probability (Pc)	0.9310	0.5274	0.7265	0.3543
Kappa	0.6582	0.7785	0.6733	0.6630
Classification Accuracy	0.9838	0.9302	0.9326	0.8465

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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	0.0251	0.0112	0.0000	0.0000	0.0362
Partially Proficient	0.0115	0.3484	0.0630	0.0000	0.4229
Proficient	0.0000	0.0519	0.3367	0.0379	0.4265
Advanced	0.0000	0.0000	0.0316	0.0827	0.1144
Sum	0.0366	0.4114	0.4313	0.1207	0.1573
Observed Score Dist.	0.0307	0.4114	0.4496	0.0980	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9773	0.8852	0.9304	0.7929
Chance Probability (Pc)	0.9298	0.5043	0.7926	0.3731
Kappa	0.6765	0.7684	0.6646	0.6696
Classification Accuracy	0.9845	0.9193	0.9481	0.8520

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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	0.0345	0.0134	0.0000	0.0000	0.0479
Partially Proficient	0.0133	0.3752	0.0510	0.0000	0.4395
Proficient	0.0000	0.0497	0.3484	0.0314	0.4295
Advanced	0.0000	0.0000	0.0281	0.0549	0.0830
Sum	0.0478	0.4384	0.4275	0.0863	0.1341
Observed Score Dist.	0.0410	0.4316	0.4426	0.0678	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9733	0.8992	0.9405	0.8130
Chance Probability (Pc)	0.9089	0.5003	0.8450	0.3858
Kappa	0.7069	0.7984	0.6160	0.6956
Classification Accuracy	0.9814	0.9301	0.9593	0.8708

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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	0.0508	0.0132	0.0000	0.0000	0.0640
Partially Proficient	0.0142	0.3600	0.0685	0.0000	0.4427
Proficient	0.0000	0.0603	0.3308	0.0297	0.4208
Advanced	0.0000	0.0000	0.0252	0.0473	0.0725
Sum	0.0650	0.4335	0.4244	0.0770	0.1420
Observed Score Dist.	0.0592	0.4340	0.4253	0.0578	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9726	0.8712	0.9451	0.7889
Chance Probability (Pc)	0.8793	0.5000	0.8616	0.3803
Kappa	0.7728	0.7425	0.6030	0.6593
Classification Accuracy	0.9803	0.9057	0.9604	0.8464

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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	0.0644	0.0217	0.0000	0.0000	0.0861
Partially Proficient	0.0216	0.1480	0.0399	0.0000	0.2095
Proficient	0.0000	0.0402	0.2935	0.0533	0.3870
Advanced	0.0000	0.0000	0.0533	0.2641	0.3173
Sum	0.0860	0.2099	0.3867	0.3173	0.4033
Observed Score Dist.	0.0790	0.2093	0.4043	0.3074	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9567	0.9199	0.8934	0.7700
Chance Probability (Pc)	0.8426	0.5834	0.5667	0.3018
Kappa	0.7247	0.8077	0.7541	0.6706
Classification Accuracy	0.9705	0.9397	0.9216	0.8318

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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	0.0719	0.0159	0.0002	0.0000	0.0880
Partially Proficient	0.0160	0.1475	0.0310	0.0000	0.1946
Proficient	0.0000	0.0356	0.3291	0.0406	0.4053
Advanced	0.0000	0.0000	0.0501	0.2620	0.3121
Sum	0.0879	0.1991	0.4104	0.3026	0.3905
Observed Score Dist.	0.0836	0.1994	0.4121	0.3050	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9679	0.9332	0.9094	0.8106
Chance Probability (Pc)	0.8395	0.5926	0.5742	0.3073
Kappa	0.7999	0.8360	0.7871	0.7266
Classification Accuracy	0.9762	0.9585	0.9320	0.8667

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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	0.0912	0.0164	0.0000	0.0000	0.1076
Partially Proficient	0.0176	0.1746	0.0318	0.0000	0.2239
Proficient	0.0000	0.0341	0.2634	0.0339	0.3314
Advanced	0.0000	0.0000	0.0390	0.2980	0.3370
Sum	0.1088	0.2251	0.3342	0.3320	0.4408
Observed Score Dist.	0.0970	0.2561	0.3639	0.2831	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9660	0.9341	0.9271	0.8272
Chance Probability (Pc)	0.8070	0.5560	0.5548	0.2848
Kappa	0.8239	0.8516	0.8362	0.7584
Classification Accuracy	0.9761	0.9516	0.9278	0.8555

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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	0.1023	0.0286	0.0000	0.0000	0.1309
Partially Proficient	0.0231	0.1886	0.0346	0.0000	0.2463
Proficient	0.0000	0.0449	0.2951	0.0326	0.3726
Advanced	0.0000	0.0000	0.0303	0.2199	0.2502
Sum	0.1255	0.2620	0.3600	0.2525	0.3780
Observed Score Dist.	0.1225	0.2593	0.3709	0.2473	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9483	0.9204	0.9371	0.8059
Chance Probability (Pc)	0.7765	0.5276	0.6236	0.2783
Kappa	0.7689	0.8316	0.8329	0.7311
Classification Accuracy	0.9659	0.9403	0.9537	0.8599

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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	0.1208	0.0350	0.0003	0.0000	0.1561
Partially Proficient	0.0353	0.2318	0.0479	0.0000	0.3149
Proficient	0.0000	0.0361	0.2098	0.0310	0.2769
Advanced	0.0000	0.0000	0.0347	0.2174	0.2521
Sum	0.1561	0.3029	0.2927	0.2484	0.4045
Observed Score Dist.	0.1471	0.3191	0.2903	0.2435	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9294	0.9157	0.9344	0.7798
Chance Probability (Pc)	0.7366	0.5024	0.6247	0.2634
Kappa	0.7322	0.8305	0.8251	0.7011
Classification Accuracy	0.9515	0.9409	0.9558	0.8482

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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	0.1742	0.0418	0.0000	0.0000	0.2160
Partially Proficient	0.0402	0.1791	0.0429	0.0000	0.2622
Proficient	0.0000	0.0456	0.1941	0.0314	0.2711
Advanced	0.0000	0.0000	0.0308	0.2198	0.2506
Sum	0.2144	0.2665	0.2679	0.2512	0.4656
Observed Score Dist.	0.2102	0.2714	0.2737	0.2447	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9180	0.9114	0.9378	0.7673
Chance Probability (Pc)	0.6622	0.5008	0.6241	0.2518
Kappa	0.7572	0.8226	0.8346	0.6889
Classification Accuracy	0.9434	0.9410	0.9563	0.8406

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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	0.2720	0.0467	0.0004	0.0000	0.3190
Partially Proficient	0.0476	0.2100	0.0368	0.0000	0.2944
Proficient	0.0000	0.0367	0.1832	0.0182	0.2381
Advanced	0.0000	0.0000	0.0228	0.1257	0.1485
Sum	0.3195	0.2934	0.2432	0.1438	0.4633
Observed Score Dist.	0.3134	0.3053	0.2398	0.1414	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9054	0.9261	0.9590	0.7908
Chance Probability (Pc)	0.5653	0.5256	0.7504	0.2676
Kappa	0.7823	0.8443	0.8357	0.7144
Classification Accuracy	0.9340	0.9478	0.9675	0.8493

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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	0.2520	0.0509	0.0000	0.0000	0.3029
Partially Proficient	0.0387	0.2903	0.0308	0.0000	0.3598
Proficient	0.0000	0.0378	0.2169	0.0156	0.2704
Advanced	0.0000	0.0000	0.0146	0.0523	0.0669
Sum	0.2907	0.3790	0.2623	0.0680	0.3587
Observed Score Dist.	0.2856	0.3805	0.2704	0.0635	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9104	0.9313	0.9698	0.8115
Chance Probability (Pc)	0.5825	0.5552	0.8742	0.2999
Kappa	0.7855	0.8456	0.7596	0.7308
Classification Accuracy	0.9410	0.9526	0.9781	0.8717

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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	0.1218	0.0297	0.0000	0.0000	0.1515
Partially Proficient	0.0292	0.2883	0.0429	0.0000	0.3605
Proficient	0.0000	0.0507	0.2478	0.0372	0.3356
Advanced	0.0000	0.0003	0.0379	0.1142	0.1524
Sum	0.1510	0.3690	0.3286	0.1514	0.3024
Observed Score Dist.	0.1455	0.3678	0.3471	0.1397	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9410	0.9060	0.9246	0.7720
Chance Probability (Pc)	0.7432	0.5005	0.7424	0.2893
Kappa	0.7703	0.8119	0.7073	0.6792
Classification Accuracy	0.9582	0.9290	0.9466	0.8338

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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	0.1966	0.0320	0.0000	0.0000	0.2286
Partially Proficient	0.0327	0.1963	0.0460	0.0000	0.2749
Proficient	0.0000	0.0465	0.3379	0.0268	0.4112
Advanced	0.0000	0.0000	0.0244	0.0608	0.0853
Sum	0.2293	0.2748	0.4084	0.0876	0.3169
Observed Score Dist.	0.2275	0.2805	0.4177	0.0743	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9353	0.9076	0.9487	0.7916
Chance Probability (Pc)	0.6469	0.5000	0.8421	0.3033
Kappa	0.8169	0.8151	0.6755	0.7009
Classification Accuracy	0.9537	0.9326	0.9628	0.8490

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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	0.2392	0.0390	0.0031	0.0000	0.2814
Partially Proficient	0.0367	0.1269	0.0516	0.0000	0.2153
Proficient	0.0035	0.0456	0.3527	0.0234	0.4252
Advanced	0.0000	0.0000	0.0228	0.0553	0.0781
Sum	0.2794	0.2115	0.4303	0.0787	0.3581
Observed Score Dist.	0.2683	0.2271	0.4358	0.0688	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9176	0.8961	0.9538	0.7741
Chance Probability (Pc)	0.5965	0.5001	0.8554	0.3133
Kappa	0.7958	0.7922	0.6801	0.6710
Classification Accuracy	0.9399	0.9232	0.9661	0.8299

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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
	2012	62888	485	485	63.4	501	479	97.0	484	483	56.6
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
	2012	62536	512	509	72.8	534	541	121.1	511	508	68.1
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
	2012	61742	524	522	75.6	597	511	175.7	524	521	72.8

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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
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
	2012	60563	562	558	85.2	575	526	123.7	561	556	80.7
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
	2012	59307	567	562	90.4	589	609	142.7	566	564	84.1
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
	2012	59043	566	567	91.1	592	600	141.7	566	566	83.2

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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
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
	2012	56374	577	579	93.5	625	606	177.5	577	576	87.2

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