

Table 1. The Colorado Model Content Standards and Sub-Content 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
Sub-Content 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
Sub-Content 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	5-6	Number Sense
2	5-10	Algebra, Patterns, and Functions
3	5-10	Satistics and Probability
4/5	5-10	Geometry and Measurement
6	5-6	Computational Techniques
1/6	7-10	Number Sense and Computational Techniques
Sub-Content Areas		
SA Grades		
1	5-6	Number and Operational Sense
1	7	Number Sense
1	8	Linear Pattern Representation
1	9	Multiple Representations of Linear/Nonlinear
1	10	Multiple Representations of Functions
2	5-6	Patterns
2	7	Area and Perimeter Relationships
2	8-9	Proportional Thinking
2	10	Probability and Counting Techniques
3	5	Data Displays
3	6 and 8	Geometry

Table 1. The Colorado Model Content Standards and Sub-Content Areas (Continued)		
Science		
Content Standards		
CS Grades		
1	8	Scientific Investigations
2	8	Physical Science
3	8	Life Science
4	8	Earth and Space Science
5/6	8	Science and Technology
Sub-Content Areas		
SA Grades		
1	8	Experimental Design and Investigations
2	8	Results and Data Analysis
3	8	Physics
4	8	Chemistry
5	8	Earth Science

Table 2. Configuration of 2004 CSAP Assessments

Content Area	Grade	Maximum Possible Points	Total # of Items			Frequency of CR Items with the Given Number of Maximum Points			
			MC	CR	Total	1	2	3	4
Reading	3	53	32		40	0	4	3	1
Reading	4	93(92)	56(55)	1	70(69)	0	6	7	1
Reading	5	92	56	1	70	0	8	4	2
Reading	6	91	56	1	70	0	10	1	3
Reading	7	91	57	1	72	0	11	4	0
Reading	8	90	56	1	70	0	8	6	0
Reading	9	95	57	1	71	0	4	10	0
Reading	10	96(95)	56(55)	1	70(69)	0	4	8	2
Writing	3	56	35	1	53	15	3	0	0
Writing	4	69	40	1	53	7	1	0	5
Writing	5	69	40	1	53	7	1	0	5
Writing	6	69	40	1	53	7	1	0	5
Writing	7	69	40	1	53	7	1	0	5
Writing	8	69	40	1	53	7	1	0	5
Writing	9	69	40	1	53	7	1	0	5
Writing	10	69(68)	40(39)	1	53(52)	7	1	0	5
Spanish Reading	3	51	32		40	0	5	3	0
Spanish Reading	4	90(89)	56(55)	1	70(69)	0	8	6	0
Spanish Writing	3	56	35	1	53	15	3	0	0
Spanish Writing	4	69(67)	40(38)	1	53(51)	7	1	0	5
Mathematics	5	96	54	1	69	0	6	6	3
Mathematics	6	87	45	1	60	0	6	6	3
Mathematics	7	87	45	1	60	0	6	6	3
Mathematics	8	87	45	1	60	0	6	6	3
Mathematics	9	87(86)	45(44)	1	60(59)	0	6	6	3
Mathematics	10	87	45	1	60	0	6	6	3
Science	8	101(100)	65(64)	1	83(82)	5	9	3	1

Table 3. Configuration of 2004 CSAP Reading Assessments by Grade, Content Standard, Sub-Content Area, and Item Type

Grade	Content Area	Item Type	Content Standard								Sub-Content Area									
			1		4		5		6		1		1/4		2		3		4	
			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								17	17	5	5	10	10			
		CR	8	21								5	13	3	8					
4	Reading	MC	26	26	10	10	13	13	6	6		22	22	11	11	9	9			
		CR	5	12	3	8	2	5	4	12		7	18	5	14					
5	Reading	MC	23	23	11	11	13	13	9	9		19	19	13	13	11	11			
		CR	4	8	3	9	3	8	4	11		7	18	4	10					
6	Reading	MC	20	20	11	11	18	18	7	7		14	14	10	10	14	14			
		CR	4	10	4	10	1	2	5	13		8	21	5	12					
7	Reading	MC	16	16	16	16	16	16	9	9	10	10		10	10	11	11	10	10	
		CR	6	15	2	4	2	4	5	11	6	14		5	11			2	5	
8	Reading	MC	18	18	18	18	10	10	10	10	13	13		17	17	11	11	5	5	
		CR	6	13	1	2	3	9	4	10	2	5		6	12			3	8	
9	Reading	MC	21	21	12	12	13	13	11	11	13	13		13	13	11	11	7	7	
		CR	4	10	3	9	3	8	4	11	5	14		4	11			2	5	
10	Reading	MC	18	18	12	12	12	12	13	13	9	9		14	14	10	10	10	10	
		CR	5	13	3	9	3	9	3	9	4	10		5	14			2	7	
3	Spanish Reading	MC	32	32								13	13	7	7	12	12			
		CR	8	19								5	10	3	9					
4	Spanish Reading	MC	27	27	11	11	10	10	7	7		17	17	17	17	11	11			
		CR	4	10	3	6	3	8	4	10		8	19	3	7					

Table 4. Configuration of 2004 CSAP Writing Assessments by Grade, Content Standard, Sub-Content Area, and Item Type

Grade	Content Area	Item Type	Content Standard				Sub-Content Area							
			2		3		5		6		7		8	
			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	5	5			12	12	11	11
		CR	9	12	9	9	12	15			3	3	3	3
4	Writing	MC	15	15	25	25	7	7			14	14	11	11
		CR	6	21	7	8	3	12	4	11	3	3	3	3
5	Writing	MC	15	15	25	25	3	3			23	23	9	9
		CR	6	21	7	8	3	12	4	11	1	1	5	5
6	Writing	MC	15	15	25	25	8	8			22	22	7	7
		CR	6	21	7	8	3	12	4	11	2	2	4	4
7	Writing	MC	15	15	25	25	3	3			22	22	13	13
		CR	6	21	7	8	3	12	4	11	2	2	4	4
8	Writing	MC	15	15	25	25	8	8			13	13	16	16
		CR	6	21	7	8	3	12	4	11	2	2	4	4
9	Writing	MC	15	15	25	25	8	8			20	20	9	9
		CR	6	21	7	8	3	12	4	11	3	3	3	3
10	Writing	MC	15	15	24	24	9	9			20	20	8	8
		CR	6	21	7	8	3	12	4	11	2	2	4	4
3	Spanish Writing	MC	11	11	24	24					17	17	7	7
		CR	9	12	9	9	12	15			3	3	3	3
4	Spanish Writing	MC	13	13	25	25	6	6			15	15	10	10
		CR	6	21	7	8	3	12	4	11	2	2	4	4

Table 5. Configuration of 2004 CSAP Mathematics Assessments by Grade, Content Standard, Sub-Content Area, and Item Type

Grade	Content Area	Item Type	Content Standard												Sub-Content Area					
			1		1/6		2		3		4/5		6		1		2		3	
			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	Math	MC	14	14			8	8	7	7	11	11	14	14	13	13	2	2	4	4
		CR	2	5			4	11	4	12	3	9	2	5	3	8	3	9	4	12
6	Math	MC	10	10			7	7	7	7	12	12	9	9	7	7	7	7	5	5
		CR	2	7			3	10	4	11	4	10	2	4	1	4	2	7	3	8
7	Math	MC			15	15	9	9	9	9	12	12			2	2	5	5		
		CR			4	11	3	8	3	9	5	14			3	10	2	5		
8	Math	MC			11	11	11	11	9	9	14	14			3	3	12	12	4	4
		CR			4	11	4	11	3	8	4	12			4	11	3	8	3	9
9	Math	MC			9	9	12	12	11	11	12	12			5	5	9	9		
		CR			3	7	5	14	4	11	3	10			6	18	3	7		
10	Math	MC			12	12	12	12	11	11	10	10			5	5	5	5		
		CR			2	5	5	14	4	11	4	12			4	12	2	5		

Table 6. Configuration of 2004 CSAP Science Assessments by Grade, Content Standard, Sub-Content Area, and Item Type

Grade	Content Area	Item Type	Content Standard									
			1		2		3		4		5/6	
			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.
8	Science	MC	13	13	14	14	13	13	14	14	10	10
		CR	9	18	3	5	3	6	3	7		
Grade	Content Area	Item Type	Sub-Content Area									
			1		2		3		4		5	
			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.
8	Science	MC	6	6	7	7	9	9	5	5	10	10
		CR	7	12	2	6			3	5	3	7

Table 7. Lowest and Highest Obtainable Scale Scores for the 2004 CSAP Assessments

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

Table 8. Scale Score Descriptive Statistics for the Total Test

Content Area	Grade	Group	N	Mean SS	SD	Median SS
Reading	3	Female	25566	573	72.6	576
		Male	27001	557	77.5	562
		Total	52591	565	75.5	569
Reading	4	Female	26676	592	60.6	597
		Male	27835	579	65.0	586
		Total	54517	585	63.2	591
Reading	5	Female	27301	618	66.3	624
		Male	28670	605	72.8	615
		Total	55976	611	70.0	619
Reading	6	Female	27869	632	67.5	638
		Male	29014	615	74.8	623
		Total	56886	623	71.9	631
Reading	7	Female	27809	641	63.2	647
		Male	29195	621	71.1	631
		Total	57007	631	68.1	639
Reading	8	Female	27631	659	60.7	665
		Male	28859	639	67.9	647
		Total	56491	649	65.2	656
Reading	9	Female	27541	672	53.3	676
		Male	29039	651	64.0	660
		Total	56586	661	60.0	668
Reading	10	Female	25202	690	53.5	693
		Male	25505	671	63.6	679
		Total	50715	680	59.6	687
Spanish Reading	3	Female	798	531	43.2	531
		Male	853	516	42.9	518
		Total	1652	523	43.6	525
Spanish Reading	4	Female	244	540	38.4	542
		Male	280	526	40.6	529
		Total	524	533	40.1	535
Writing	3	Female	25602	477	54.9	475
		Male	27061	462	53.4	461
		Total	52668	469	54.7	468
Writing	4	Female	26682	499	55.2	498
		Male	27858	480	51.3	481
		Total	54546	489	54.0	489
Writing	5	Female	27284	515	57.4	515
		Male	28657	496	56.0	496
		Total	55946	505	57.5	505
Writing	6	Female	27790	537	62.3	536
		Male	28951	510	61.7	511
		Total	56744	523	63.5	523

**Table 8. Scale Score Descriptive Statistics for the Total Test
(Continued)**

Content Area	Grade	Group	N	Mean SS	SD	Median SS
Writing	7	Female	27825	558	69.9	558
		Male	29188	528	70.8	530
		Total	57016	542	72.0	544
Writing	8	Female	27602	572	72.6	574
		Male	28808	535	73.3	539
		Total	56410	553	75.3	556
Writing	9	Female	27570	587	70.4	588
		Male	29013	553	72.3	557
		Total	56588	570	73.4	572
Writing	10	Female	25248	596	73.1	597
		Male	25500	562	76.0	566
		Total	50756	579	76.4	581
Spanish Writing	3	Female	803	517	64.6	513
		Male	865	487	58.4	486
		Total	1668	501	63.2	499
Spanish Writing	4	Female	245	529	41.8	530
		Male	282	510	43.3	515
		Total	527	519	43.7	523
Mathematics	5	Female	27370	507	72.7	507
		Male	28763	511	76.5	513
		Total	56137	509	74.7	510
Mathematics	6	Female	27942	522	74.8	526
		Male	29112	523	79.7	528
		Total	57054	523	77.4	527
Mathematics	7	Female	27832	539	71.6	544
		Male	29291	538	77.1	544
		Total	57127	539	74.5	544
Mathematics	8	Female	27701	556	72.1	561
		Male	28925	555	79.0	563
		Total	56629	555	75.7	562
Mathematics	9	Female	27615	565	70.5	573
		Male	29135	565	78.3	574
		Total	56754	565	74.6	574
Mathematics	10	Female	25218	579	69.9	586
		Male	25576	580	76.2	590
		Total	50798	580	73.1	588
Science	8	Female	27643	499	59.2	506
		Male	28906	503	67.3	512
		Total	56552	501	63.5	509

Table 9. Scale Score Descriptive Statistics by Content Standard

Grade	Content Standard																				
	1			2			3			4			5			6			Total		
	Mean	SD	Median	Mean	SD	Median	Mean	SD	Median	Mean	SD	Median	Mean	SD	Median	Mean	SD	Median	Mean	SD	Median
Reading	3	565	75.5	569															565	75.5	569
Reading	4	593	84.1	592						584	101.8	594							585	63.2	591
Reading	5	613	82.8	620						601	109.1	619							611	70.0	619
Reading	6	625	82.9	631						629	109.2	631							623	71.9	631
Reading	7	632	76.4	638						636	88.9	640							631	68.1	639
Reading	8	652	76.9	656						651	81.9	656							649	65.2	656
Reading	9	662	71.0	668						665	84.5	668							661	60.0	668
Reading	10	681	68.4	687						687	85.2	685							680	59.6	687
Spanish Reading	3	523	43.6	525															523	43.6	525
Spanish Reading	4	532	43.9	535						529	59.5	533							533	40.1	535
Writing	3				471	61.0	470	476	66.1	469									469	54.7	468
Writing	4				491	57.8	489	496	73.0	488									489	54.0	489
Writing	5				506	61.3	505	510	68.8	506									505	57.5	505
Writing	6				524	68.5	522	528	77.8	525									523	63.5	523
Writing	7				543	77.6	542	545	82.1	545									542	72.0	544
Writing	8				554	81.7	553	557	86.1	557									553	75.3	556
Writing	9				570	78.0	571	574	86.4	573									570	73.4	572
Writing	10				580	82.3	578	583	88.5	583									579	76.5	581
Spanish Writing	3				505	75.7	500	505	72.6	499									501	63.2	499
Spanish Writing	4				519	50.1	524	519	47.3	523									519	43.7	523
Mathematics	5	521	109.4	511	520	112.5	509	517	100.4	514	513	94.5	507			519	102.3	514	509	74.7	510
Mathematics	6	517	106.9	526	524	94.0	524	535	107.4	530	526	95.0	526			539	122.6	530	523	77.4	527
Mathematics	7	540	84.1	547	542	96.6	543	542	96.8	545	532	87.0	542						539	74.5	544
Mathematics	8	553	93.2	561	557	87.5	563	551	93.4	561	550	89.2	562						555	75.7	562
Mathematics	9	559	97.0	574	562	87.2	573	562	86.2	573	557	92.4	573						565	74.6	574
Mathematics	10	578	93.2	590	580	79.4	588	579	80.6	587	570	89.2	585						580	73.1	588
Science	8	504	72.8	509	502	73.6	507	502	78.2	510	497	77.7	507	511	95.7	509			501	63.5	509

Table 10. Scale Score Descriptive Statistics by Sub-Content Area

Grade	Sub-Content Area																								Total		
	1			2			3			4			5			6			7			8			Mean	SD	Median
	Mean	SD	Median	Mean	SD	Median	Mean	SD	Median	Mean	SD	Median	Mean	SD	Median	Mean	SD	Median	Mean	SD	Median	Mean	SD	Median	Mean	SD	Median
Reading	3	569	88.5	569	568	108.3	570	618	144.3	578														565	75.5	569	
Reading	4	586	72.3	591	592	85.2	590	643	168.0	592														585	63.2	591	
Reading	5	612	79.4	620	610	90.3	619	616	115.5	621														611	70.0	619	
Reading	6	627	87.0	631	624	93.2	631	636	118.7	630														623	71.9	631	
Reading	7	638	87.8	639	632	85.5	638	635	109.2	638	634	95.4	641											631	68.1	639	
Reading	8	663	101.1	656	650	75.8	655	660	116.7	660	645	88.8	654											649	65.2	656	
Reading	9	662	71.5	669	664	82.0	668	663	118.6	669	688	131.3	670											661	60.0	668	
Reading	10	680	90.5	688	685	74.5	685	685	93.7	690	672	93.1	686											680	59.6	687	
Spanish Reading	3	524	50.7	526	522	60.4	524	524	66.2	527														523	43.6	525	
Spanish Reading	4	532	46.7	536	532	50.3	535	538	78.7	536														533	40.1	535	
Writing	3										472	63.4	470			501	107.7	471	481	78.0	477			469	54.7	468	
Writing	4										492	65.9	490	517	107.6	505	506	93.3	491	507	101.0	489		489	54.0	489	
Writing	5										505	73.5	500	525	107.7	508	514	78.2	508	517	97.5	508		505	57.5	505	
Writing	6										523	73.7	522	559	134.6	547	530	87.8	526	540	118.1	527		523	63.5	523	
Writing	7										546	94.4	543	574	147.7	557	546	92.0	547	543	97.5	544		542	72.0	544	
Writing	8										556	90.1	555	576	142.1	583	562	110.9	559	557	99.0	556		553	75.3	556	
Writing	9										571	94.8	569	580	94.6	545	573	103.1	574	576	122.4	574		570	73.4	572	
Writing	10										584	96.7	577	588	117.2	537	583	98.4	584	581	120.6	583		579	76.5	581	
Spanish Writing	3										522	107.8	506			511	86.0	501	510	112.0	507			501	63.2	499	
Spanish Writing	4										508	79.3	523	520	59.7	505	520	66.1	522	515	73.0	523		519	43.7	523	
Mathematics	5	520	104.3	510	529	139.6	507	522	108.4	516														509	74.7	510	
Mathematics	6	525	129.9	525	526	99.6	525	526	103.5	527														523	77.4	527	
Mathematics	7	529	107.4	545	534	116.7	542																	539	74.5	544	
Mathematics	8	560	96.6	564	550	92.8	560	531	120.3	558														555	75.7	562	
Mathematics	9	561	88.3	573	554	100.2	573																	565	74.6	574	
Mathematics	10	578	82.0	588	570	107.9	583																	580	73.1	588	
Science	8	504	80.6	508	521	107.8	510	518	112.4	504	498	85.8	499	497	79.5	506								501	63.5	509	

Table 11. Raw Score Descriptive Statistics by Content Standard

Grade	Content Standard																				Total													
	1				2				3				4				5				6				Total									
	Mean	SD	Median	Mean %	Mean	SD	Median	Mean %	Mean	SD	Median	Mean %	Mean	SD	Median	Mean %	Mean	SD	Median	Mean %	Mean	SD	Median	Mean %	Mean	SD	Median	Mean %						
Reading	3	40	10.3	43	75.0																								40	10.3	43	75.0		
Reading	4	29	7.3	31	75.2							10	3.9	11	56.6	11	3.7	12	61.1	10	3.6	11	57.6	60	16.7	64	65.4							
Reading	5	21	5.7	22	68.0							10	4.0	11	52.4	14	4.2	14	65.6	13	4.0	13	63.2	58	16.1	61	63.0							
Reading	6	20	5.8	21	65.8							14	4.9	14	64.6	13	4.1	13	62.5	13	4.8	13	63.0	58	17.9	62	64.2							
Reading	7	19	6.0	20	60.7							14	3.8	15	69.6	12	4.1	12	57.5	12	3.8	12	57.6	56	16.1	58	61.3							
Reading	8	21	6.3	22	67.4							13	3.6	14	65.4	12	4.6	13	62.4	12	4.1	13	60.5	58	17.2	61	64.3							
Reading	9	20	6.2	21	63.7							14	4.7	15	64.5	12	4.6	12	56.6	15	4.3	15	66.1	60	18.2	63	62.9							
Reading	10	20	5.9	21	64.9							15	4.2	16	72.1	14	4.3	15	66.8	11	4.1	11	48.2	60	16.7	63	63.0							
Spanish Reading	3	30	8.9	32	59.6																													
Spanish Reading	4	23	7.2	24	63.0							9	3.2	9	51.4	9	3.4	9	52.3	8	3.2	8	48.8	50	15.2	51	55.9							
Writing	3					18	3.5	19	76.3	26	4.8	27	81.6															44	7.8	46	79.3			
Writing	4					26	5.4	27	71.3	26	5.3	27	77.8															51	10.1	53	74.4			
Writing	5					25	5.3	26	69.1	24	5.5	26	74.2															49	10.2	51	71.5			
Writing	6					24	5.7	25	67.5	23	6.0	24	70.2															47	11.1	49	68.7			
Writing	7					24	5.5	25	67.3	20	6.1	21	62.2															45	11.0	46	64.9			
Writing	8					25	5.6	25	68.1	21	6.0	22	64.5															46	11.0	48	66.4			
Writing	9					23	5.8	24	64.5	22	6.3	22	65.6															45	11.5	46	65.0			
Writing	10					24	5.8	25	67.5	20	5.5	21	63.8															45	10.7	46	65.7			
Spanish Writing	3					16	4.5	16	68.3	24	5.5	25	72.4															40	9.3	41	70.6			
Spanish Writing	4					17	5.3	17	50.5	18	5.7	18	54.3															35	10.0	35	52.3			
Mathematics	5	14	3.8	14	72.7	12	5.0	13	64.2	13	4.1	14	67.9	13	4.4	13	63.3			14	3.6	15	73.6	65	18.9	69	68.3							
Mathematics	6	9	4.2	9	52.2	10	3.4	10	59.9	13	3.7	13	70.0	14	4.6	14	63.2			9	2.9	10	70.6	55	16.8	56	62.9							
Mathematics	7	15	5.4	14	56.1	10	3.9	9	56.0	10	4.0	11	58.0	12	5.3	11	44.9										46	17.1	45	53.1				
Mathematics	8	11	5.0	11	50.7	12	4.5	12	54.3	8	3.8	8	44.9	10	4.9	9	36.8										40	16.6	39	46.3				
Mathematics	9	7	3.5	6	42.0	13	6.0	13	49.2	8	4.1	8	36.1	8	3.7	7	34.1										35	15.8	33	40.6				
Mathematics	10	8	3.8	8	48.5	13	5.5	12	48.7	9	4.0	9	42.0	7	4.1	6	33.5										37	15.9	36	43.1				
Science	8	19	6.8	20	62.5	10	3.3	10	52.5	11	3.6	11	57.8	8	3.4	8	40.0	6	2.2	7	64.8							55	16.9	57	55.2			

Table 12. Raw Score Descriptive Statistics by Sub-Content Area

Content	Grade	Sub-Content Area																Total			
		1				2				3				4				Mean	SD	Median	Mean % of Max.
		Mean	SD	Median	Mean % of Max.	Mean	SD	Median	Mean % of Max.	Mean	SD	Median	Mean % of Max.	Mean	SD	Median	Mean % of Max.				
Reading	3	22	6.2	24	74.7	9	3.0	10	69.4	8	2.0	9	82.9					39.7	10.3	43	75.0
Reading	4	25	7.8	26	62.5	17	4.8	18	69.7	7	1.9	7	75.8					60	16.7	64	65.4
Reading	5	23	7.2	25	63.3	14	4.1	14	60.2	7	2.3	7	63.6					58	16.1	61	63.0
Reading	6	23	7.9	24	64.3	14	4.6	15	63.5	9	3.0	10	67.6					58	17.9	62	64.2
Reading	7	16	4.5	18	68.8	13	4.5	13	60.4	7	2.4	7	59.6	9	2.9	9	56.9	56	16.1	58	61.3
Reading	8	13	3.6	14	73.0	20	5.6	21	67.6	7	2.6	7	62.3	6	2.8	6	50.0	58	17.2	61	64.3
Reading	9	17	5.3	18	62.5	16	5.3	17	65.3	7	2.6	7	60.2	9	2.6	9	72.3	60	18.2	63	62.9
Reading	10	12	4.4	13	64.6	20	5.4	21	70.4	6	1.9	6	59.6	8	3.3	8	46.4	60	16.7	63	63.0
Spanish Reading	3	15	4.4	15	64.0	9	3.5	9	54.0	7	2.3	7	58.6					30	8.9	32	59.6
Spanish Reading	4	19	6.9	20	53.3	14	4.4	14	57.4	7	2.2	8	67.0					50	15.2	51	55.9

Content	Grade	Sub-Content Area																Total			
		5				6				7				8				Mean	SD	Median	Mean % of Max.
		Mean	SD	Median	Mean % of Max.	Mean	SD	Median	Mean % of Max.	Mean	SD	Median	Mean % of Max.	Mean	SD	Median	Mean % of Max.				
Writing	3	15	3.0	16	76.6					12	2.7	13	81.8	11	2.2	12	79.1	44	7.8	46	79.3
Writing	4	12	3.2	13	64.7	9	1.6	9	78.3	13	2.9	14	78.1	10	2.7	11	74.5	51	10.1	53	74.4
Writing	5	10	2.3	10	63.8	8	1.8	8	73.3	18	4.2	19	74.9	10	2.9	10	70.5	49	10.2	51	71.5
Writing	6	12	3.4	13	62.2	8	1.8	9	76.6	17	4.4	18	70.5	7	2.5	8	67.5	47	11.1	49	68.7
Writing	7	9	2.5	10	62.6	9	1.7	9	78.4	15	4.7	15	62.9	10	3.4	11	61.6	45	11.0	46	64.9
Writing	8	13	3.3	13	64.5	8	1.6	9	76.4	10	3.2	10	64.7	13	3.9	13	62.7	46	11.0	48	66.4
Writing	9	13	3.7	13	64.7	7	1.4	7	67.5	15	4.8	16	64.8	8	2.6	8	63.1	45	11.5	46	65.0
Writing	10	14	3.8	15	68.9	8	1.6	7	69.9	14	3.9	14	63.7	7	2.7	7	58.1	45	10.7	46	65.7
Spanish Writing	3	11	3.6	12	71.5					15	3.4	15	73.3	6	2.4	7	64.5	40	9.3	41	70.6
Spanish Writing	4	7	3.6	6	37.7	7	1.5	7	63.7	10	3.6	10	59.3	7	2.8	7	48.2	35	10.0	35	52.3

Table 12. Raw Score Descriptive Statistics by Sub-Content Area (Continued)

Content	Grade	Sub-Content Area																											
		1				2				3				4				5				Total							
		Mean	SD	Med	Mean % of Max.	Mean	SD	Med	Mean % of Max.	Mean	SD	Med	Mean % of Max.	Mean	SD	Med	Mean % of Max.	Mean	SD	Med	Mean % of Max.	Mean	SD	Median	Mean % of Max.				
Mathematics	5	15	4.3	16	72.1	7	3.4	7	60.7	11	3.5	12	69.5													65	18.9	69	68.3
Mathematics	6	6	2.8	6	58.8	9	2.8	9	62.5	7	2.8	8	57.5													55	16.8	56	62.9
Mathematics	7	4	2.9	3	35.1	5	2.6	5	48.0																46	17.1	45	53.1	
Mathematics	8	7	3.2	7	53.5	10	4.4	9	47.6	3	2.8	3	25.7												40	16.6	39	46.3	
Mathematics	9	10	5.3	10	42.6	6	3.4	5	38.1																35	15.8	33	40.6	
Mathematics	10	7	3.5	7	44.1	4	2.2	3	37.2																37	15.9	36	43.1	
Science	8	10	4.2	11	58.2	9	3.1	10	68.4	6	2.0	6	67.4	4	1.8	4	39.1	7	2.9	7	40.2				55	16.9	57	55.2	

Table 13. Reading Raw Score Correlations by Content Standard and Sub-Content Area

Grade 3 Reading

	SA 1/4	SA 2	SA 3	Total
CS 1	.968	.887	.828	1.000
SA 1/4		.775	.732	.968
SA 2			.670	.887
SA 3				.828

Grade 3 Spanish Reading

	SA 1/4	SA 2	SA 3	Total
CS 1	.913	.865	.793	1.000
SA 1/4		.652	.618	.913
SA 2			.571	.865
SA 3				.793

Grade 4 Reading

	CS 4	CS 5	CS 6	SA 1/4	SA 2	SA 3	Total
CS 1	.756	.792	.757	.905	.902	.830	.953
CS 4		.699	.694	.880	.795	.648	.868
CS 5			.686	.773	.751	.703	.879
CS 6				.862	.802	.664	.861
SA 1/4					.824	.728	.958
SA 2						.704	.919
SA 3							.813

Grade 4 Spanish Reading

	CS 4	CS 5	CS 6	SA 1/4	SA 2	SA 3	Total
CS 1	.751	.742	.705	.898	.869	.818	.950
CS 4		.670	.634	.813	.821	.629	.853
CS 5			.659	.747	.707	.589	.858
CS 6				.854	.692	.602	.828
SA 1/4					.760	.689	.947
SA 2						.646	.892
SA 3							.782

Grade 5 Reading

	CS 4	CS 5	CS 6	SA 1/4	SA 2	SA 3	Total
CS 1	.735	.789	.790	.879	.845	.858	.936
CS 4		.712	.703	.862	.793	.659	.867
CS 5			.737	.787	.737	.685	.898
CS 6				.900	.801	.656	.892
SA 1/4					.774	.715	.952
SA 2						.650	.885
SA 3							.807

Grade 6 Reading

	CS 4	CS 5	CS 6	SA 1/4	SA 2	SA 3	Total
CS 1	.812	.771	.798	.851	.912	.890	.936
CS 4		.750	.784	.915	.840	.752	.918
CS 5			.743	.776	.730	.737	.883
CS 6				.942	.770	.757	.910
SA 1/4					.801	.781	.955
SA 2						.717	.898
SA 3							.865

Grade 7 Reading

	CS 4	CS 5	CS 6	SA 1	SA 2	SA 3	SA 4	Total
CS 1	.800	.778	.772	.806	.909	.854	.774	.944
CS 4		.738	.743	.833	.875	.690	.733	.900
CS 5			.704	.692	.771	.679	.680	.886
CS 6				.870	.750	.655	.837	.881
SA 1					.756	.636	.663	.881
SA 2						.704	.716	.921
SA 3							.633	.811
SA 4								.834

Grade 8 Reading

	CS 4	CS 5	CS 6	SA 1	SA 2	SA 3	SA 4	Total
CS 1	.814	.826	.813	.821	.927	.863	.783	.954
CS 4		.760	.757	.823	.897	.734	.704	.894
CS 5			.774	.752	.806	.724	.725	.917
CS 6				.861	.809	.740	.859	.903
SA 1					.792	.696	.663	.882
SA 2						.742	.726	.939
SA 3							.669	.842
SA 4								.835

Grade 9 Reading

	CS 4	CS 5	CS 6	SA 1	SA 2	SA 3	SA 4	Total
CS 1	.836	.811	.793	.881	.880	.870	.723	.949
CS 4		.783	.775	.834	.948	.724	.701	.924
CS 5			.736	.775	.791	.713	.636	.904
CS 6				.895	.789	.655	.826	.891
SA 1					.810	.695	.674	.922
SA 2						.717	.682	.930
SA 3							.565	.818
SA 4								.783

Grade 10 Reading

	CS 4	CS 5	CS 6	SA 1	SA 2	SA 3	SA 4	Total
CS 1	.809	.790	.741	.890	.883	.777	.677	.944
CS 4		.743	.684	.800	.933	.602	.644	.897
CS 5			.680	.755	.760	.596	.625	.891
CS 6				.774	.689	.613	.946	.856
SA 1					.769	.615	.643	.901
SA 2						.592	.638	.913
SA 3							.563	.731
SA 4								.796

Table 14. Writing Raw Score Correlations by Content Standard and Sub-Content Area

Grade 3 Writing

	CS 3	SA 5	SA 7	SA 8	Total
CS 2	.780	.932	.705	.657	.924
CS 3		.734	.919	.877	.960
SA 5			.628	.610	.866
SA 7				.637	.876
SA 8					.830

Grade 6 Writing

	CS 3	SA 5	SA 6	SA 7	SA 8	Total
CS 2	.798	.942	.783	.791	.726	.945
CS 3		.739	.609	.957	.887	.951
SA 5			.614	.723	.660	.884
SA 6				.568	.546	.732
SA 7					.745	.924
SA 8						.852

Grade 3 Spanish Writing

	CS 3	SA 5	SA 7	SA 8	Total
CS 2	.743	.899	.661	.592	.919
CS 3		.640	.917	.842	.947
SA 5			.522	.517	.810
SA 7				.576	.859
SA 8					.781

Grade 7 Writing

	CS 3	SA 5	SA 6	SA 7	SA 8	Total
CS 2	.792	.874	.740	.786	.808	.941
CS 3		.648	.561	.955	.878	.952
SA 5			.560	.622	.615	.797
SA 6				.517	.513	.682
SA 7					.768	.925
SA 8						.892

Grade 4 Writing

	CS 3	SA 5	SA 6	SA 7	SA 8	Total
CS 2	.786	.936	.751	.726	.707	.946
CS 3		.720	.560	.923	.913	.944
SA 5			.574	.659	.657	.877
SA 6				.490	.510	.694
SA 7					.689	.872
SA 8						.857

Grade 8 Writing

	CS 3	SA 5	SA 6	SA 7	SA 8	Total
CS 2	.797	.943	.760	.756	.774	.945
CS 3		.734	.577	.922	.929	.951
SA 5			.605	.695	.690	.882
SA 6				.525	.533	.703
SA 7					.742	.887
SA 8						.900

Grade 4 Spanish Writing

	CS 3	SA 5	SA 6	SA 7	SA 8	Total
CS 2	.670	.926	.681	.610	.539	.908
CS 3		.575	.511	.906	.834	.920
SA 5			.461	.536	.453	.815
SA 6				.424	.430	.649
SA 7					.527	.835
SA 8						.756

Grade 9 Writing

	CS 3	SA 5	SA 6	SA 7	SA 8	Total
CS 2	.800	.954	.716	.793	.726	.945
CS 3		.750	.543	.961	.864	.953
SA 5			.592	.734	.659	.894
SA 6				.507	.470	.660
SA 7					.723	.927
SA 8						.841

Grade 5 Writing

	CS 3	SA 5	SA 6	SA 7	SA 8	Total
CS 2	.800	.845	.775	.794	.776	.947
CS 3		.616	.621	.943	.875	.950
SA 5			.555	.589	.558	.768
SA 6				.555	.554	.734
SA 7					.740	.917
SA 8						.871

Grade 10 Writing

	CS 3	SA 5	SA 6	SA 7	SA 8	Total
CS 2	.787	.955	.753	.749	.756	.948
CS 3		.743	.599	.957	.840	.942
SA 5			.619	.710	.663	.901
SA 6				.539	.525	.718
SA 7					.694	.900
SA 8						.843

Table 15. Mathematics and Science Raw Score Correlations by Content Standard and Sub-Content Area

Grade 5 Mathematics

	CS 2	CS 3	CS 4/5	CS 6	SA 1	SA 2	SA 3	Total
CS 1	.788	.751	.768	.778	.958	.745	.721	.902
CS 2		.757	.769	.770	.790	.957	.741	.916
CS 3			.772	.754	.772	.705	.969	.894
CS 4/5				.735	.788	.723	.745	.901
CS 6					.838	.716	.729	.889
SA 1						.744	.744	.915
SA 2							.685	.863
SA 3							1	.866

Grade 8 Mathematics

	CS 2	CS 3	CS 4/5	SA 1	SA 2	SA 3	Total
CS 1/6	.803	.791	.783	.766	.879	.703	.929
CS 2		.775	.766	.951	.811	.681	.915
CS 3			.752	.747	.821	.676	.897
CS 4/5				.719	.827	.911	.909
SA 1					.751	.637	.871
SA 2						.691	.915
SA 3							.818

Grade 6 Mathematics

	CS 2	CS 3	CS 4/5	CS 6	SA 1	SA 2	SA 3	Total
CS 1	.757	.743	.764	.709	.899	.744	.711	.897
CS 2		.760	.773	.725	.732	.954	.708	.894
CS 3			.777	.742	.716	.766	.709	.899
CS 4/5				.721	.744	.759	.937	.915
CS 6					.752	.712	.656	.856
SA 1						.717	.687	.863
SA 2							.692	.877
SA 3								.845

Grade 9 Mathematics

	CS 2	CS 3	CS 4/5	SA 1	SA 2	Total
CS 1/6	.805	.768	.722	.784	.912	.900
CS 2		.808	.737	.967	.767	.944
CS 3			.714	.828	.751	.907
CS 4/5				.723	.777	.863
SA 1					.745	.929
SA 2						.874

Grade 7 Mathematics

	CS 2	CS 3	CS 4/5	SA 1	SA 2	Total
CS 1/6	.818	.779	.818	.843	.760	.940
CS 2		.755	.790	.720	.726	.910
CS 3			.749	.688	.676	.886
CS 4/5				.803	.878	.925
SA 1					.692	.841
SA 2						.837

Grade 10 Mathematics

	CS 2	CS 3	CS 4/5	SA 1	SA 2	Total
CS 1/6	.818	.746	.748	.774	.625	.904
CS 2		.788	.784	.928	.656	.943
CS 3			.735	.789	.887	.894
CS 4/5				.753	.626	.895
SA 1					.631	.900
SA 2						.762

Grade 8 Science

	CS 2	CS 3	CS 4	CS5/6	SA 1	SA 2	SA 3	SA 4	SA 5	Total
CS 1	.749	.729	.663	.710	.951	.907	.706	.599	.660	.929
CS 2		.705	.670	.684	.721	.667	.890	.858	.659	.871
CS 3			.665	.681	.705	.645	.657	.573	.655	.866
CS 4				.634	.649	.575	.608	.561	.958	.823
CS 5/6					.687	.628	.654	.535	.624	.821
SA 1						.732	.675	.582	.644	.893
SA 2							.634	.526	.575	.829
SA 3								.530	.597	.805
SA 4									.553	.713
SA 5										.808

Table 16. Cronbach Alpha Reliability Coefficients for Content Standards

Content Area	Grade	Content Standard						Total Alpha
		1 Alpha	2 Alpha	3 Alpha	4 Alpha	5 Alpha	6 Alpha	
Reading	3	.91						.91
Reading	4	.88			.70	.74	.67	.93
Reading	5	.84			.64	.75	.73	.92
Reading	6	.80			.77	.78	.73	.93
Reading	7	.83			.78	.76	.70	.93
Reading	8	.86			.76	.75	.74	.94
Reading	9	.83			.78	.75	.72	.93
Reading	10	.80			.74	.69	.68	.92
Spanish Reading	3	.86						.86
Spanish Reading	4	.85			.67	.65	.55	.91
Writing	3		.81	.85				.91
Writing	4		.84	.85				.91
Writing	5		.84	.85				.91
Writing	6		.85	.86				.92
Writing	7		.84	.85				.91
Writing	8		.86	.85				.92
Writing	9		.87	.86				.92
Writing	10		.87	.82				.91
Spanish Writing	3		.83	.84				.90
Spanish Writing	4		.74	.82				.87
Mathematics	5	.78	.77	.76	.78		.78	.94
Mathematics	6	.75	.72	.78	.80		.75	.94
Mathematics	7	.80	.75	.73	.79			.93
Mathematics	8	.78	.79	.73	.79			.93
Mathematics	9	.76	.85	.76	.70			.93
Mathematics	10	.77	.82	.73	.76			.93
Science	8	.84	.73	.70	.67	.65		.93

Table 17. Cronbach Alpha Reliability Coefficients for Sub-Content Areas

Content Area	Grade	Sub-Content Area							
		1 Alpha	2 Alpha	3 Alpha	4 Alpha	5 Alpha	6 Alpha	7 Alpha	8 Alpha
Reading	3	.85	.68	.72					
Reading	4	.85	.78	.68					
Reading	5	.84	.71	.66					
Reading	6	.83	.74	.74					
Reading	7	.77	.80	.68	.64				
Reading	8	.74	.84	.74	.65				
Reading	9	.78	.81	.71	.59				
Reading	10	.77	.79	.55	.58				
Spanish Reading	3	.78	.61	.62					
Spanish Reading	4	.82	.73	.60					
Writing	3					.80		.77	.71
Writing	4					.74	.69	.74	.74
Writing	5					.69	.71	.82	.75
Writing	6					.78	.70	.81	.73
Writing	7					.72	.72	.81	.75
Writing	8					.77	.69	.77	.78
Writing	9					.81	.74	.83	.69
Writing	10					.82	.72	.76	.67
Spanish Writing	3					.86		.75	.71
Spanish Writing	4					.60	.59	.76	.66
Mathematics	5	.79	.68	.72					
Mathematics	6	.67	.69	.66					
Mathematics	7	.62	.62						
Mathematics	8	.74	.77	.67					
Mathematics	9	.84	.73						
Mathematics	10	.75	.53						
Science	8	.75	.66	.64	.53	.63			

Table 18. Multiple-Choice Item Analyses, Grade 3 Reading

Item #	Session	CS	SA	R_ITT	Omit %	p-Value	Item #	Session	CS	SA	R_ITT	Omit %	p-Value
1	S1	1	1/4	0.33	0.0	0.98	21	S2	1	1/4	0.37	0.5	0.63
2	S1	1	3	0.24	0.0	0.94	22	S2	1	1/4	0.40	0.8	0.88
3	S1	1	3	0.48	0.1	0.91	23	S2	1	3	0.35	1.1	0.78
4	S1	1	3	0.46	0.1	0.85	25	S2	1	2	0.36	0.1	0.83
5	S1	1	1/4	0.35	0.1	0.80	26	S2	1	2	0.08	0.3	0.25
6	S1	1	1/4	0.49	0.2	0.85	27	S2	1	2	0.44	0.3	0.71
9	S1	1	2	0.49	0.2	0.73	28	S2	1	3	0.41	0.5	0.75
10	S1	1	2	0.36	0.4	0.58	29	S2	1	1/4	0.45	0.2	0.67
11	S1	1	3	0.50	0.3	0.77	30	S2	1	1/4	0.49	0.3	0.84
12	S1	1	3	0.32	0.6	0.84	31	S2	1	3	0.43	0.3	0.82
14	S1	1	1/4	0.44	1.1	0.77	32	S2	1	1/4	0.46	0.3	0.74
15	S1	1	1/4	0.47	1.3	0.60	33	S2	1	1/4	0.50	0.4	0.68
16	S1	1	1/4	0.55	1.3	0.85	37	S2	1	1/4	0.49	2.0	0.92
17	S1	1	1/4	0.45	1.4	0.78	38	S2	1	1/4	0.40	1.1	0.87
19	S2	1	1/4	0.48	0.1	0.72	39	S2	1	3	0.55	1.1	0.80
20	S2	1	1/4	0.45	0.1	0.78	40	S2	1	3	0.38	1.3	0.88

Mean R_ITT: 0.42
 Mean p-value: 0.77

Table 19. Constructed-Response Item Analyses, Grade 3 Reading

Item #	Session	CS	SA	R_ITT	Percent of Students Obtaining Score Level					Omit %	p-Value
					0	1	2	3	4		
7	S1	1	2	0.62	14.7	5.5	21.2	57.7		0.9	0.74
8	S1	1	2	0.60	24.8	20.8	52.8			1.6	0.63
13	S1	1	1/4	0.52	8.7	8.1	17.2	22.9	41.3	1.8	0.69
18	S2	1	1/4	0.44	31.0	31.3	37.3			0.4	0.53
24	S2	1	2	0.54	5.3	8.3	21.5	64.2		0.7	0.81
34	S2	1	1/4	0.56	8.4	25.0	65.8			0.9	0.78
35	S2	1	1/4	0.59	10.5	14.2	16.6	57.3		1.4	0.73
36	S2	1	1/4	0.62	10.3	18.1	69.8			1.7	0.79

Mean R_ITT: 0.56
 Mean p-value: 0.71

Table 20. Multiple-Choice Item Analyses, Grade 3 Spanish Reading

Item #	Session	CS	SA	R_ITT	Omit %	p-Value	Item #	Session	CS	SA	R_ITT	Omit %	p-Value
3	S1	1	2	0.21	0.3	0.19	21	S2	1	1/4	0.37	0.5	0.94
4	S1	1	2	0.27	0.1	0.65	22	S2	1	1/4	0.34	0.2	0.68
5	S1	1	3	0.18	0.4	0.32	23	S2	1	1/4	0.41	0.1	0.87
6	S1	1	3	0.19	0.2	0.20	24	S2	1	3	0.37	0.2	0.88
7	S1	1	1/4	0.19	0.5	0.25	27	S2	1	2	0.34	0.7	0.88
9	S1	1	3	0.28	0.5	0.46	28	S2	1	3	0.44	0.1	0.74
10	S1	1	3	0.28	0.8	0.64	29	S2	1	3	0.30	0.2	0.77
11	S1	1	1/4	0.38	0.9	0.68	30	S2	1	2	0.43	0.2	0.54
12	S1	1	1/4	0.28	1.2	0.51	31	S2	1	2	0.38	0.5	0.59
13	S1	1	1/4	0.30	1.6	0.31	33	S2	1	2	0.32	0.6	0.64
14	S1	1	1/4	0.06	1.4	0.37	34	S2	1	2	0.08	0.4	0.31
15	S1	1	3	0.37	1.7	0.78	35	S2	1	3	0.11	0.9	0.32
16	S1	1	1/4	0.33	2.1	0.86	37	S2	1	1/4	0.50	1.2	0.77
18	S1	1	1/4	0.42	3.5	0.80	38	S2	1	3	0.38	1.3	0.65
19	S1	1	1/4	0.45	2.8	0.79	39	S2	1	1/4	0.39	1.4	0.64
20	S1	1	3	0.43	3.0	0.76	40	S2	1	3	0.34	1.3	0.57

Mean R_ITT: 0.32
Mean p-value: 0.60

Table 21. Constructed-Response Item Analyses, Grade 3 Spanish Reading

Item #	Session	CS	SA	R_ITT	Percent of Students Obtaining Score Level					Omit %	p-Value
					0	1	2	3	4		
1	S1	1	2	0.41	30.4	9.6	20.4	38.9		0.7	0.56
2	S1	1	2	0.56	21.5	8.0	10.3	58.8		1.4	0.68
8	S1	1	1/4	0.52	19.0	30.4	49.9			0.6	0.65
17	S1	1	1/4	0.44	10.0	11.9	75.2			2.9	0.81
25	S2	1	1/4	0.45	7.9	28.1	63.6			0.4	0.78
26	S2	1	1/4	0.39	42.0	30.5	26.7			0.8	0.42
32	S2	1	2	0.43	28.4	34.4	30.5	6.0		0.7	0.38
36	S2	1	1/4	0.49	29.1	37.0	32.4			1.5	0.51

Mean R_ITT: 0.46
Mean p-value: 0.60

Table 22. Multiple-Choice Item Analyses, Grade 3 Writing

Item #	Session	CS	SA	R_ITT	Omit %	p-Value	Item #	Session	CS	SA	R_ITT	Omit %	p-Value
1	S1	3	8	0.45	0.1	0.91	21	S2	3	7	0.38	0.0	0.60
2	S1	3	8	0.36	0.1	0.83	22	S2	3	7	0.43	0.1	0.77
3	S1	3	8	0.29	0.1	0.63	23	S2	3	7	0.40	0.2	0.89
4	S1	3	8	0.42	0.3	0.88	24	S2	3	7	0.38	0.2	0.94
6	S1	3	7	0.31	0.2	0.84	25	S2	3	7	0.41	0.3	0.82
7	S1	3	7	0.27	0.2	0.79	26	S2	3	7	0.37	1.2	0.69
8	S1	3	7	0.53	0.4	0.88	27	S2	3	8	0.43	0.1	0.91
9	S1	3	7	0.29	0.2	0.75	28	S2	2	5	0.38	0.1	0.70
10	S1	3	7	0.45	0.3	0.82	29	S2	2	5	0.41	0.1	0.91
11	S1	3	7	0.38	0.4	0.90	31	S2	3	8	0.35	0.1	0.85
13	S1	2	5	0.42	0.3	0.69	32	S2	3	8	0.25	0.1	0.92
14	S1	2		0.40	0.1	0.97	33	S2	3	8	0.32	0.2	0.91
15	S1	2		0.37	0.3	0.91	34	S2	3	8	0.38	0.3	0.82
16	S1	2		0.30	0.7	0.73	35	S2	3	8	0.30	0.3	0.96
17	S1	2		0.43	1.1	0.89	36	S2	3	8	0.29	0.4	0.85
18	S1	2		0.42	0.2	0.65	37	S2	2	5	0.47	0.1	0.77
19	S1	2		0.41	0.3	0.91	38	S2	2	5	0.34	0.1	0.80
20	S1	2		0.45	0.3	0.68							

Mean R_ITT: 0.38
Mean p-value: 0.82

Table 23. Constructed-Response Item Analyses, Grade 3 Writing

Item #	Part	Session	CS	SA	R_ITT	Percent of Students Obtaining Score Level					Omit %	p-Value
						0	1	2	3	4		
5	A	S1	3	7	0.38	4.9	94.9				0.2	0.95
5	B	S1	3	7	0.47	25.8	74.0				0.2	0.74
5	C	S1	3	7	0.52	8.0	91.8				0.2	0.92
5	D	S1	3	8	0.14	93.5	6.3				0.2	0.06
5	E	S1	3	8	0.41	15.6	84.2				0.2	0.84
5	F	S1	3	8	0.43	28.9	70.9				0.2	0.71
12	A	S1	2	5	0.27	0.7	82.8	16.4			0.1	0.58
12	B	S1	2	5	0.28	3.0	96.9				0.1	0.97
12	C	S1	2	5	0.43	13.3	86.7				0.1	0.87
12	D	S1	3	5	0.39	4.9	95.0				0.1	0.95
30	A	S2	2	5	0.36	2.9	77.8	19.1			0.2	0.58
30	B	S2	2	5	0.38	4.5	95.3				0.2	0.95
30	C	S2	2	5	0.51	13.4	86.4				0.2	0.86
30	D	S2	3	5	0.47	7.7	92.1				0.2	0.92
39	A	S2	2	5	0.34	7.8	81.9	10.2			0.2	0.51
39	B	S2	2	5	0.34	9.3	90.5				0.2	0.91
39	C	S2	2	5	0.50	19.2	80.6				0.2	0.81
39	D	S2	3	5	0.43	12.1	87.7				0.2	0.88

Mean R_ITT: 0.39
Mean p-value: 0.78

Table 24. Multiple-Choice Item Analyses, Grade 3 Spanish Writing

Item #	Session	CS	SA	R_ITT	Omit %	p-Value	Item #	Session	CS	SA	R_ITT	Omit %	p-Value
1	S1	3	7	0.32	0.0	0.97	21	S2	3	8	0.34	0.1	0.72
2	S1	3	7	0.34	0.2	0.88	22	S2	3	8	0.38	0.1	0.56
3	S1	3	7	0.40	0.1	0.91	23	S2	3	8	0.38	0.4	0.73
5	S1	3	7	0.02	0.0	0.65	24	S2	3	8	0.32	0.0	0.66
6	S1	3	7	0.25	0.1	0.59	25	S2	3	8	0.39	0.0	0.78
7	S1	3	7	0.28	0.1	0.81	26	S2	3	8	0.29	0.2	0.37
8	S1	3	7	0.27	0.4	0.71	28	S2	3	7	0.38	0.2	0.71
9	S1	3	7	0.31	0.4	0.50	29	S2	3	7	0.42	0.5	0.89
10	S1	3	7	0.36	0.7	0.50	30	S2	3	7	0.36	0.8	0.87
11	S1	3	7	0.34	0.2	0.93	31	S2	3	7	0.43	0.7	0.80
12	S1	3	7	0.37	0.3	0.87	32	S2	3	7	0.41	0.7	0.64
13	S1	3	7	0.38	0.5	0.92	33	S2	2		0.36	1.4	0.67
14	S1	2		0.36	0.4	0.80	34	S2	2		0.39	0.5	0.94
15	S1	2		0.34	0.4	0.84	35	S2	2		0.41	0.5	0.93
17	S1	2		0.41	0.5	0.81	37	S2	2		0.43	1.1	0.76
18	S1	2		0.19	0.7	0.28	38	S2	2		0.31	1.0	0.53
19	S1	2		0.21	0.7	0.37	39	S2	2		0.24	1.0	0.81
20	S2	3	8	0.36	0.0	0.61							

Mean R_ITT: 0.34
Mean p-value: 0.72

Table 25. Constructed-Response Item Analyses, Grade 3 Spanish Writing

Item #	Part	Session	CS	SA	R_ITT	Percent of Students Obtaining Score Level					Omit %	p-Value
						0	1	2	3	4		
4	A	S1	3	8	0.40	21.6	78.1				0.4	0.78
4	B	S1	3	7	0.35	73.7	26.0				0.3	0.26
4	C	S1	3	8	0.41	35.5	64.2				0.3	0.64
4	D	S1	3	8	0.42	39.9	59.8				0.3	0.60
4	E	S1	3	7	0.41	45.6	54.1				0.3	0.54
4	F	S1	3	7	0.31	24.8	74.9				0.3	0.75
16	A	S1	2	5	0.48	6.1	48.4	45.1			0.4	0.69
16	B	S1	2	5	0.44	26.3	73.3				0.4	0.73
16	C	S1	2	5	0.48	23.1	76.5				0.4	0.76
16	D	S1	3	5	0.36	5.6	94.0				0.4	0.94
27	A	S2	2	5	0.54	14.1	50.7	34.5			0.7	0.60
27	B	S2	2	5	0.49	36.2	63.2				0.7	0.63
27	C	S2	2	5	0.54	29.7	69.7				0.7	0.70
27	D	S2	3	5	0.46	13.0	86.3				0.7	0.86
36	A	S2	2	5	0.50	7.6	56.6	34.7			1.1	0.63
36	B	S2	2	5	0.48	30.8	68.0				1.1	0.68
36	C	S2	2	5	0.52	32.0	66.8				1.1	0.67
36	D	S2	3	5	0.43	8.3	90.6				1.1	0.91

Mean R_ITT: 0.45
Mean p-value: 0.69

Table 26. Multiple-Choice Item Analyses, Grade 4 Reading

Item #	Session	CS	SA	R_ITT	Omit %	p-Value	Item #	Session	CS	SA	R_ITT	Omit %	p-Value
6	S3	1	2	0.47	0.1	0.85	38	S4	1	2	0.50	0.2	0.75
7	S3	1	2	0.46	0.2	0.73	39	S4	1	2	0.41	0.5	0.91
8	S3	1	3	0.47	0.1	0.88	40	S4	1	2	0.25	0.2	0.63
9	S3	1	3	0.27	0.4	0.85	41	S4	1	3	-0.08	0.2	0.16
11	S3	1	1/4	0.42	0.5	0.52	43	S4	5		0.33	1.5	0.83
12	S3	1	1/4	0.21	0.7	0.58	44	S4	5		0.41	0.4	0.53
13	S3	1	1/4	0.41	2.1	0.90	45	S4	5		0.32	0.4	0.48
14	S3	4	1/4	0.41	0.4	0.65	47	S4	4	1/4	0.30	0.3	0.53
15	S3	6	3	0.46	0.4	0.94	48	S4	6	1/4	0.47	0.4	0.79
16	S3	1	3	0.49	0.6	0.79	49	S4	6	1/4	0.34	0.4	0.56
17	S3	5		0.36	0.4	0.75	50	S4	6	1/4	0.46	0.4	0.89
18	S3	5		0.51	0.4	0.78	95	S6	6	3	0.42	1.0	0.69
19	S3	5		0.37	1.4	0.58	97	S6	1	1/4	0.44	0.2	0.84
22	S3	1	1/4	0.37	1.4	0.67	98	S6	6	1/4	0.46	0.2	0.94
23	S3	4	1/4	0.26	1.6	0.48	99	S6	4	1/4	0.53	0.2	0.74
24	S3	1	1/4	0.53	1.8	0.81	100	S6	5		0.24	0.2	0.74
25	S3	4	1/4	0.41	1.7	0.86	102	S6	1	2	0.40	0.3	0.89
26	S3	1	3	0.45	1.9	0.63	103	S6	4	2	0.37	0.4	0.91
27	S3	1	3	0.47	2.0	0.74	104	S6	4	2	0.39	0.3	0.77
28	S3	5		0.33	2.2	0.61	106	S6	4	2	0.42	0.5	0.59
29	S3	5		0.32	2.4	0.40	107	S6	4	2	0.47	0.5	0.70
31	S4	1	1/4	0.45	0.1	0.82	109	S6	1	3	0.38	0.4	0.49
32	S4	1	1/4	0.44	0.1	0.85	110	S6	5		0.44	0.6	0.63
33	S4	1	1/4	0.38	0.8	0.70	111	S6	5		0.37	0.4	0.52
34	S4	1	1/4	0.39	0.2	0.93	112	S6	5		0.39	0.6	0.68
35	S4	1	3	0.35	0.3	0.85	113	S6	1	1/4	0.49	0.6	0.77
36	S4	1	2	0.26	0.1	0.73	114	S6	1	1/4	0.45	1.0	0.61
37	S4	5		0.43	0.1	0.73	115	S6	4	1/4	0.49	0.8	0.62

Mean R_ITT: 0.40
 Mean p-value: 0.72

Table 27. Constructed-Response Item Analyses, Grade 4 Reading

Item #	Session	CS	SA	R_ITT	Percent of Students Obtaining Score Level					Omit %	p-Value
					0	1	2	3	4		
4	S3	1	2	0.57	8.1	3.5	16.9	71.2		0.4	0.84
5	S3	1	2	0.55	14.4	19.4	65.5			0.7	0.75
10	S3	4	1/4	0.42	42.0	0.4	32.0	25.0		0.5	0.47
20	S3	5		0.31	68.2	21.2	9.1			1.4	0.20
21	S3	1	1/4	0.57	29.0	16.8	51.9			2.3	0.60
30	S4	1	1/4	0.44	21.2	28.5	50.0			0.3	0.64
42	S4	6	2	0.49	19.3	23.0	27.6	18.6	10.1	1.4	0.44
46	S4	4	1/4	0.41	30.7	31.7	19.1	17.5		1.1	0.41
51	S4	6	1/4	0.35	34.5	31.9	22.3	10.0		1.3	0.35
96	S6	6	1/4	0.48	27.0	18.1	54.4			0.6	0.63
101	S6	1	2	0.54	6.1	7.8	18.3	67.2		0.6	0.82
105	S6	4	2	0.43	41.4	36.4	21.0			1.2	0.39
108	S6	5		0.61	9.3	6.3	12.8	69.7		2.0	0.80
116	S6	6	1/4	0.55	14.7	41.5	17.9	24.5		1.5	0.50

Mean R_ITT: 0.48
 Mean p-value: 0.56

Table 28. Multiple-Choice Item Analyses, Grade 4 Spanish Reading

Item #	Session	CS	SA	R_ITT	Omit %	p-Value	Item #	Session	CS	SA	R_ITT	Omit %	p-Value
4	S3	1	2	0.40	0.8	0.48	39	S4	1	1/4	0.43	2.1	0.81
5	S3	5		0.36	1.0	0.56	40	S4	1	1/4	0.41	2.5	0.59
6	S3	6	2	0.26	0.6	0.68	42	S4	1	1/4	0.36	4.0	0.40
7	S3	5		0.21	0.2	0.37	45	S4	1	3	0.45	5.5	0.84
8	S3	6	2	0.14	0.4	0.32	46	S4	6	3	0.07	6.9	0.39
9	S3	4	2	0.37	0.4	0.67	47	S4	5		0.14	7.4	0.38
10	S3	4	2	0.32	0.8	0.65	90	S6	1	2	0.42	0.2	0.86
11	S3	1	3	0.14	0.2	0.66	91	S6	1	3	0.34	0.0	0.71
12	S3	6	2	0.10	0.6	0.35	92	S6	1	3	0.42	0.4	0.48
15	S3	4	1/4	0.19	0.8	0.71	93	S6	1	2	0.33	0.0	0.75
16	S3	1	1/4	0.37	0.8	0.73	94	S6	1	2	0.39	0.2	0.83
17	S3	4	1/4	0.22	1.1	0.80	95	S6	1	2	0.36	0.2	0.60
18	S3	1	1/4	0.40	1.7	0.75	98	S6	6	1/4	0.31	0.2	0.50
19	S3	6	1/4	0.32	1.0	0.95	99	S6	4	1/4	0.05	0.2	0.59
20	S3	1	1/4	0.10	1.5	0.59	101	S6	4	1/4	0.36	0.2	0.50
21	S3	1	1/4	0.47	1.1	0.59	102	S6	4	1/4	0.39	0.0	0.43
22	S3	1	1/4	0.47	1.5	0.52	103	S6	1	3	0.44	0.4	0.78
23	S3	6	1/4	0.33	1.5	0.55	104	S6	1	3	0.36	1.0	0.68
25	S4	1	2	0.23	0.4	0.56	105	S6	5		0.25	1.1	0.55
26	S4	1	3	0.43	0.2	0.79	106	S6	5		0.28	1.0	0.32
27	S4	4	2	0.29	0.0	0.69	107	S6	5		0.41	0.6	0.50
29	S4	4	2	0.25	1.3	0.45	109	S6	1	2	0.31	0.2	0.67
31	S4	4	2	0.23	1.5	0.32	110	S6	1	2	0.31	0.4	0.52
34	S4	4	1/4	0.46	1.7	0.79	111	S6	4	2	0.51	0.4	0.69
35	S4	1	1/4	0.53	2.3	0.59	112	S6	1	3	0.30	0.8	0.58
36	S4	1	3	0.45	1.9	0.79	113	S6	1	3	0.23	0.8	0.75
37	S4	5		0.33	2.5	0.44	114	S6	5		0.43	0.8	0.65
38	S4	5		0.32	2.3	0.64	115	S6	5		0.39	1.0	0.59

Mean R_ITT: 0.33
Mean p-value: 0.61

Table 29. Constructed-Response Item Analyses, Grade 4 Spanish Reading

Item #	Session	CS	SA	R_ITT	Percent of Students Obtaining Score Level					Omit %	p-Value
					0	1	2	3	4		
13	S3	1	2	0.48	15.3	20.2	42.9	20.2		1.3	0.56
14	S3	5		0.25	48.1	43.7	3.1			5.2	0.25
28	S4	5		0.59	8.8	10.5	11.5	68.9		0.4	0.80
30	S4	4	2	0.46	60.5	17.9	20.0			1.5	0.29
32	S4	6	1/4	0.44	33.0	30.9	20.0	15.1		1.0	0.39
33	S4	1	1/4	0.61	19.8	20.6	21.2	36.3		2.1	0.57
41	S4	1	1/4	0.45	43.5	31.9	19.5			5.2	0.35
43	S4	6	1/4	0.40	21.4	27.1	44.1			7.4	0.58
44	S4	4	1/4	0.37	43.3	47.7	0.8			8.2	0.25
96	S6	4	1/4	0.36	28.6	40.3	30.9			0.2	0.51
97	S6	6	1/4	0.50	25.2	27.9	23.9	22.3		0.8	0.48
100	S6	6	1/4	0.45	37.0	40.6	21.9			0.4	0.42
108	S6	1	2	0.48	17.0	16.8	64.9			1.3	0.73
116	S6	5		0.42	20.8	8.0	53.1	15.8		2.3	0.54

Mean R_ITT: 0.45
Mean p-value: 0.48

Table 30. Multiple-Choice Item Analyses, Grade 4 Writing

Item #	Session	CS	SA	R_ITT	Omit %	p-Value	Item #	Session	CS	SA	R_ITT	Omit %	p-Value
53	S5	2		0.46	0.1	0.89	74	S5	2	5	0.46	0.2	0.89
54	S5	2		0.33	0.1	0.95	75	S5	2	5	0.48	0.3	0.74
55	S5	3	7	0.34	0.3	0.88	76	S5	2	5	0.49	0.3	0.81
56	S5	3	7	0.32	0.6	0.56	77	S5	3	7	0.45	0.7	0.65
57	S5	3	7	0.30	0.7	0.85	78	S5	3	7	0.39	0.3	0.65
58	S5	3	7	0.24	1.2	0.98	79	S5	3	7	0.44	0.3	0.84
59	S5	3	7	0.40	0.1	0.86	80	S5	3	7	0.39	0.6	0.68
60	S5	3	7	0.39	0.3	0.88	81	S5	3	8	0.46	0.5	0.79
61	S5	3	7	0.39	0.4	0.90	82	S5	3	7	0.44	1.4	0.87
62	S5	3	7	0.40	0.1	0.95	83	S5	2		0.36	0.7	0.78
63	S5	3	7	0.37	0.1	0.78	84	S5	2		0.40	0.7	0.78
64	S5	3	8	0.24	0.4	0.95	85	S5	2		0.45	2.7	0.80
65	S5	3	8	0.31	0.2	0.66	86	S5	3	8	0.34	0.2	0.52
66	S5	3	8	0.39	0.2	0.74	87	S5	3	8	0.49	0.5	0.61
67	S5	3	8	0.33	5.2	0.53	88	S5	3	8	0.43	0.3	0.86
68	S5	3	8	0.42	5.9	0.60	89	S5	2		0.41	0.2	0.93
69	S5	2	5	0.38	0.5	0.75	90	S5	2		0.45	0.2	0.71
70	S5	2	5	0.33	0.2	0.73	91	S5	2		0.41	0.6	0.93
71	S5	2	5	0.30	0.2	0.53	92	S5	3	8	0.29	0.7	0.91
73	S5	2	5	0.41	0.2	0.86	93	S5	3	8	0.31	0.8	0.86

Mean R_ITT: 0.38
 Mean p-value: 0.79

Table 31. Constructed-Response Item Analyses, Grade 4 Writing

Item #	Part	Session	CS	SA	R_ITT	Percent of Students Obtaining Score Level					Omit %	p-Value	
						0	1	2	3	4			
1		S1	2	6	0.06	0.5	99.5					0	1.00
2	A	S2	3	8	0.36	18.4	80.7					0.9	0.81
2	B	S2	3	8	0.44	12.3	86.8					0.9	0.87
2	C	S2	3	7	0.37	32.6	66.5					0.9	0.66
2	D	S2	3	7	0.30	50.0	49.1					0.9	0.49
2	E	S2	3	7	0.13	14.4	84.6					0.9	0.85
2	F	S2	3	8	0.44	18.3	80.8					0.9	0.81
3	A	S2	2	6	0.59	1.5	2.7	24.2	52.2	19.3		0.0	0.71
3	B	S2	2	6	0.62	0.1	2.9	30.5	48.4	18.1		0.0	0.70
3	C	S2	3	6	0.41	0.2	6.6	93.2				0.0	0.97
52		S4	2	5	0.53	6.6	10.2	36.2	42.7	2.9		1.5	0.55
72		S5	2	5	0.56	0.9	8.5	39.3	47.5	3.4		0.5	0.61
94		S5	2	5	0.56	2.8	10.4	39.4	43.3	3.6		0.5	0.58

Mean R_ITT: 0.41
 Mean p-value: 0.74

Table 32. Multiple-Choice Item Analyses, Grade 4 Spanish Writing

Item #	Session	CS	SA	R_ITT	Omit %	p-Value	Item #	Session	CS	SA	R_ITT	Omit %	p-Value
48	S5	3	7	0.31	0.0	0.86	69	S5	3	7	0.46	1.9	0.59
49	S5	3	7	0.38	0.0	0.80	70	S5	3	7	0.36	0.6	0.46
50	S5	2		0.32	0.0	0.82	71	S5	3	7	0.29	1.5	0.54
51	S5	2		0.23	0.0	0.46	72	S5	3	8	0.34	0.6	0.55
52	S5	2		0.26	0.0	0.95	73	S5	3	8	0.28	0.8	0.44
53	S5	3	7	0.33	0.0	0.62	74	S5	3	8	0.40	2.1	0.71
54	S5	2		0.35	0.4	0.78	75	S5	3	8	0.16	3.4	0.44
55	S5	2	5	0.03	0.2	0.22	76	S5	3	7	0.29	1.5	0.45
56	S5	2	5	0.04	0.2	0.36	77	S5	3	7	0.22	0.8	0.42
57	S5	2	5	0.32	0.8	0.44	78	S5	3	7	0.31	2.7	0.37
58	S5	2	5	0.30	0.8	0.55	79	S5	3	8	0.16	0.9	0.66
59	S5	2	5	0.31	0.8	0.47	80	S5	3	8	0.25	1.7	0.38
60	S5	2	5	0.27	0.9	0.57	81	S5	3	8	0.42	1.3	0.62
61	S5	2	5	0.35	0.0	0.54	82	S5	3	8	0.42	1.5	0.45
62	S5	2	5	0.19	0.4	0.30	83	S5	3	8	0.39	1.3	0.42
64	S5	3	7	0.29	0.4	0.44	84	S5	3	8	0.12	1.3	0.36
65	S5	3	7	0.45	0.6	0.75	85	S5	3	7	0.29	1.7	0.82
66	S5	3	7	0.34	0.9	0.63	86	S5	2		0.29	1.5	0.34
67	S5	3	7	0.43	1.3	0.63	87	S5	2		0.39	1.5	0.66
68	S5	3	7	0.50	1.5	0.67	88	S5	2		0.35	1.3	0.48

Mean R_ITT: 0.32
Mean p-value: 0.56

Table 33. Constructed-Response Item Analyses, Grade 4 Spanish Writing

Item #	Part	Session	CS	SA	R_ITT	Percent of Students Obtaining Score Level					Omit %	p-Value	
						0	1	2	3	4			
1		S1	2	6	0.02	0.6	99.4					0.0	0.99
2	A	S2	3	8	0.31	11.0	88.6					0.4	0.89
2	B	S2	3	8	0.37	37.2	62.4					0.4	0.62
2	C	S2	3	8	0.19	76.9	22.8					0.4	0.23
2	D	S2	3	8	0.16	94.1	5.5					0.4	0.06
2	E	S2	3	7	0.35	20.1	79.5					0.4	0.80
2	F	S2	3	7	0.16	69.4	30.2					0.4	0.30
3	A	S2	2	6	0.45	5.5	3.8	34.5	51.6	4.4		0.2	0.61
3	B	S2	2	6	0.57	1.1	3.2	44.6	49.5	1.3		0.2	0.62
3	C	S2	3	6	0.39	1.7	89.4	8.7				0.2	0.53
24		S3	2	5	0.50	7.0	18.0	40.4	25.0	6.5		3.0	0.50
63		S5	2	5	0.31	65.7	2.5	15.9	12.0	3.2		0.8	0.21
89		S5	2	5	0.49	53.7	1.3	19.9	19.0	2.8		3.2	0.27

Mean R_ITT: 0.33
Mean p-value: 0.51

Table 34. Multiple-Choice Item Analyses, Grade 5 Reading

Item #	Session	CS	SA	R_ITT	Omit %	p-Value	Item #	Session	CS	SA	R_ITT	Omit %	p-Value
5	S3	6	1/4	0.43	0.1	0.85	41	S4	5		0.37	0.4	0.56
6	S3	1	3	0.33	0.4	0.69	43	S4	4	1/4	0.32	0.2	0.61
7	S3	6	1/4	0.48	0.2	0.80	44	S4	6	1/4	0.43	0.3	0.85
8	S3	1	3	0.46	0.2	0.83	45	S4	6	1/4	0.39	0.3	0.66
9	S3	1	1/4	0.02	0.2	0.42	46	S4	6	1/4	0.41	0.3	0.93
10	S3	6	1/4	0.42	0.1	0.58	49	S4	1	3	0.49	1.4	0.57
11	S3	6	1/4	0.35	0.1	0.75	50	S4	4	1/4	0.37	1.7	0.53
12	S3	1	1/4	0.43	0.3	0.88	51	S4	1	1/4	0.53	1.4	0.66
13	S3	1	3	0.34	0.1	0.57	52	S4	6	1/4	0.36	1.4	0.50
17	S3	4	2	0.13	0.6	0.64	53	S4	5		0.25	1.5	0.51
18	S3	4	2	0.13	0.8	0.50	96	S6	4	2	0.33	0.5	0.68
19	S3	4	2	0.16	0.6	0.56	97	S6	1	2	0.49	0.1	0.77
20	S3	1	2	0.42	0.7	0.83	98	S6	1	3	0.40	0.1	0.73
21	S3	1	2	0.41	0.8	0.85	99	S6	4	2	0.35	0.2	0.60
22	S3	1	3	0.47	1.3	0.79	100	S6	1	3	0.31	0.2	0.45
23	S3	4	2	0.38	0.8	0.73	101	S6	5		0.34	0.2	0.65
24	S3	4	2	0.46	1.1	0.76	102	S6	1	3	0.29	0.4	0.58
27	S3	5		0.43	2.4	0.89	103	S6	1	2	0.47	0.1	0.70
28	S3	5		0.33	2.5	0.78	104	S6	5		0.40	0.2	0.71
29	S3	1	3	0.44	2.6	0.71	105	S6	5		0.42	0.2	0.55
31	S4	1	2	0.34	0.1	0.81	106	S6	5		0.41	0.4	0.86
32	S4	1	3	0.46	0.1	0.92	107	S6	5		0.33	0.6	0.51
33	S4	5		0.20	0.1	0.57	110	S6	6	1/4	0.46	0.1	0.82
35	S4	5		0.34	0.6	0.90	111	S6	4	1/4	0.44	0.3	0.65
36	S4	1	2	0.28	0.1	0.70	112	S6	4	1/4	0.46	0.2	0.60
37	S4	1	3	0.03	0.2	0.17	113	S6	1	1/4	0.47	0.3	0.83
39	S4	5		0.29	1.0	0.88	114	S6	1	1/4	0.46	0.3	0.78
40	S4	5		0.48	0.2	0.60	115	S6	1	1/4	0.49	0.4	0.78

Mean R_ITT: 0.37
 Mean p-value: 0.69

Table 35. Constructed-Response Item Analyses, Grade 5 Reading

Item #	Session	CS	SA	R_ITT	Percent of Students Obtaining Score Level					Omit %	p-Value
					0	1	2	3	4		
4	S3	1	1/4	0.42	5.7	16.9	77.0			0.5	0.85
14	S3	6	1/4	0.59	13.1	30.2	55.6			1.0	0.71
15	S3	5		0.52	11.9	17.7	32.0	37.6		0.7	0.65
16	S3	5		0.55	26.0	37.7	32.7			3.6	0.52
25	S3	4	2	0.41	29.1	56.3	11.2			3.3	0.39
26	S3	5		0.58	10.1	18.0	35.6	33.4		2.9	0.63
30	S4	1	2	0.40	14.9	31.5	52.7			1.0	0.68
34	S4	1	2	0.44	43.1	42.5	12.0			2.4	0.33
38	S4	6	2	0.46	13.7	22.0	29.1	21.7	11.8	1.6	0.48
42	S4	4	1/4	0.38	20.0	37.4	20.7	20.5		1.4	0.47
47	S4	6	1/4	0.36	29.3	28.9	26.7	13.0		2.1	0.40
48	S4	4	1/4	0.52	42.0	7.0	19.7	9.1	18.0	4.1	0.36
108	S6	1	1/4	0.58	18.4	24.2	56.4			1.0	0.69
109	S6	6	1/4	0.60	10.5	40.6	47.7			1.3	0.68

Mean R_ITT: 0.49
 Mean p-value: 0.56

Table 36. Multiple-Choice Item Analyses, Grade 5 Writing

Item #	Session	CS	SA	R_ITT	Omit %	p-Value	Item #	Session	CS	SA	R_ITT	Omit %	p-Value
54	S5	2		0.28	0.1	0.98	75	S5	3	7	0.44	0.2	0.87
55	S5	3	7	0.30	0.1	0.94	76	S5	3	7	0.47	0.3	0.90
56	S5	2		0.41	0.3	0.84	77	S5	3	7	0.53	0.4	0.75
57	S5	3	7	0.33	0.7	0.59	78	S5	3	7	0.27	0.3	0.63
58	S5	3	7	0.21	0.7	0.99	79	S5	3	7	0.45	0.7	0.89
59	S5	3	7	0.34	1.0	0.93	80	S5	3	7	0.47	1.0	0.81
60	S5	2		0.30	0.3	0.38	81	S5	2	5	0.28	0.2	0.60
61	S5	2		0.43	0.4	0.85	82	S5	2	5	0.44	0.2	0.82
62	S5	2		0.41	0.5	0.86	83	S5	2	5	0.42	0.2	0.90
63	S5	2	8	0.43	0.1	0.76	84	S5	3	8	0.41	0.2	0.85
64	S5	3	7	0.18	0.3	0.28	85	S5	3	8	0.44	0.6	0.79
65	S5	3	7	0.31	3.1	0.72	86	S5	3	8	0.52	0.2	0.80
66	S5	3	7	0.28	0.2	0.73	87	S5	3	8	0.46	0.2	0.75
67	S5	3	7	0.32	0.2	0.85	88	S5	3	8	0.43	0.3	0.68
68	S5	3	7	0.34	0.5	0.70	89	S5	2	8	0.40	0.2	0.74
70	S5	3	7	0.30	0.2	0.41	90	S5	2	8	0.37	0.4	0.65
71	S5	2	8	0.36	0.2	0.65	91	S5	3	7	0.49	0.7	0.84
72	S5	3	7	0.29	0.2	0.86	92	S5	2	7	0.54	0.2	0.82
73	S5	3	7	0.48	0.3	0.83	93	S5	2	7	0.54	0.2	0.73
74	S5	3	7	0.43	0.5	0.87	94	S5	2	7	0.47	0.3	0.75

Mean R_ITT: 0.39
Mean p-value: 0.76

Table 37. Constructed-Response Item Analyses, Grade 5 Writing

Item #	Part	Session	CS	SA	R_ITT	Percent of Students Obtaining Score Level					Omit %	p-Value	
						0	1	2	3	4			
1		S1	2	6	0.05	0.4	99.6					0	1.00
2	A	S2	3	8	0.29	3.1	95.9					1.0	0.96
2	B	S2	3	7	0.28	62.5	36.5					1.0	0.36
2	C	S2	3	8	0.37	42.2	56.8					1.0	0.57
2	D	S2	3	8	0.30	67.1	31.9					1.0	0.32
2	E	S2	3	8	0.26	20.0	79.0					1.0	0.79
2	F	S2	3	8	0.45	41.1	57.8					1.0	0.58
3	A	S2	2	6	0.57	1.3	4.5	30.7	46.8	16.7		0.1	0.68
3	B	S2	2	6	0.64	0.3	6.7	37.9	41.4	13.5		0.1	0.65
3	C	S2	3	6	0.53	0.7	28.5	70.7				0.1	0.85
69		S5	2	5	0.46	3.0	5.7	46.9	40.0	4.1		0.4	0.59
95		S5	2	5	0.54	0.9	4.9	42.8	45.3	5.5		0.6	0.62
116		S6	2	5	0.52	0.8	5.3	48.2	40.7	4.6		0.5	0.61

Mean R_ITT: 0.40
Mean p-value: 0.66

Table 38. Multiple-Choice Item Analyses, Grade 5 Mathematics

Item #	Session	CS	SA	R_ITT	Omit %	p-Value	Item #	Session	CS	SA	R_ITT	Omit %	p-Value
1	S1	4/5	1	0.31	0.0	0.74	36	S2	6		0.37	0.4	0.36
2	S1	1		0.27	0.1	0.91	37	S2	6		0.32	0.2	0.67
3	S1	6		0.41	3.9	0.81	38	S2	6		0.53	1.1	0.48
4	S1	1	1	0.49	0.1	0.83	39	S2	3		0.51	0.2	0.61
5	S1	4/5		0.39	0.2	0.69	41	S2	6		0.42	0.3	0.91
7	S1	3		0.39	0.1	0.80	42	S2	4/5		0.37	0.6	0.66
8	S1	1		0.37	0.1	0.74	43	S2	2		0.45	0.6	0.76
9	S1	4/5		0.46	0.1	0.81	44	S2	3	3	0.34	0.3	0.76
10	S1	6		0.42	0.2	0.82	45	S2	6		0.37	0.6	0.78
11	S1	1	1	0.53	0.2	0.73	47	S3	2		0.34	0.1	0.85
12	S1	1	1	0.29	0.1	0.87	48	S3	4/5		0.31	0.2	0.68
14	S1	1	1	0.52	1.1	0.51	50	S3	4/5		0.44	0.7	0.68
16	S1	1	1	0.37	0.5	0.74	51	S3	6		0.38	0.4	0.83
17	S1	2		0.49	0.2	0.68	52	S3	2		0.41	0.3	0.68
18	S1	3	3	0.51	0.2	0.68	54	S3	3	3	0.33	3.0	0.93
20	S1	4/5		0.29	0.4	0.49	55	S3	1	1	0.33	0.2	0.54
21	S1	6		0.37	0.4	0.82	56	S3	4/5		0.35	0.6	0.30
22	S1	1		0.23	0.8	0.93	58	S3	2	2	0.32	0.2	0.87
24	S2	1	1	0.44	0.1	0.89	59	S3	1	1	0.51	0.1	0.78
25	S2	6	1	0.43	0.1	0.84	60	S3	4/5		0.50	0.1	0.64
26	S2	3		0.37	0.2	0.58	61	S3	2	2	0.56	0.2	0.63
28	S2	4/5		0.36	0.1	0.76	62	S3	3		0.37	0.3	0.61
29	S2	4/5		0.45	0.2	0.73	63	S3	6		0.45	0.1	0.87
30	S2	2	3	0.39	0.2	0.81	64	S3	6		0.26	0.6	0.90
32	S2	1	1	0.51	0.3	0.36	65	S3	2		0.38	0.2	0.83
34	S2	1	1	0.37	0.2	0.60	67	S3	6		0.32	0.8	0.81
35	S2	1		0.49	0.2	0.80	68	S3	6	1	0.42	0.2	0.90

Mean R_ITT: 0.40
 Mean p-value: 0.73

Table 39. Constructed-Response Item Analyses, Grade 5 Mathematics

Item #	Session	CS	SA	R_ITT	Percent of Students Obtaining Score Level					Omit %	p-Value	
					0	1	2	3	4			
6	S1	4/5		0.57	13.7	41.8	44.0				0.5	0.65
13	S1	3	3	0.54	1.9	29.0	31.1	37.0			1.1	0.67
15	S1	2		0.50	50.4	7.0	42.2				0.4	0.46
19	S1	6	1	0.57	7.1	14.1	27.5	50.9			0.4	0.74
23	S1	2	2	0.68	35.5	4.9	12.5	5.3	40.9		1.1	0.52
27	S2	2	2	0.59	26.2	12.5	61.0				0.4	0.67
31	S2	2	2	0.68	19.1	13.5	41.1	25.9			0.4	0.58
33	S2	1	1	0.49	5.7	18.2	75.8				0.3	0.85
40	S2	4/5		0.67	16.1	23.6	35.0	24.9			0.3	0.56
46	S2	3	3	0.67	4.8	12.7	15.8	27.0	39.3		0.5	0.71
49	S3	6		0.62	20.9	54.5	24.4				0.2	0.52
53	S3	1	1	0.57	11.7	26.3	21.2	40.2			0.5	0.63
57	S3	3	3	0.48	14.8	30.5	54.2				0.5	0.69
66	S3	3	3	0.56	14.5	26.0	31.5	27.4			0.5	0.57
69	S3	4/5		0.61	5.0	20.9	22.5	20.2	31.3		0.2	0.63

Mean R_ITT: 0.59
 Mean p-value: 0.63

Table 40. Multiple-Choice Item Analyses, Grade 6 Reading

Item #	Session	CS	SA	R_ITT	Omit %	p-Value	Item #	Session	CS	SA	R_ITT	Omit %	p-Value
5	S3	1	1/4	0.33	0.1	0.80	41	S4	1	1/4	0.26	0.3	0.54
6	S3	6	1/4	0.45	0.2	0.82	42	S4	1	1/4	0.53	0.6	0.76
7	S3	6	1/4	0.47	0.1	0.88	43	S4	6	1/4	0.44	0.3	0.60
8	S3	4	1/4	0.45	0.4	0.77	44	S4	5		0.32	1.2	0.60
12	S3	4	2	0.35	0.4	0.79	45	S4	5		0.40	0.4	0.55
13	S3	5		0.36	0.5	0.57	46	S4	5		0.18	0.6	0.54
14	S3	6	2	0.41	0.4	0.59	47	S4	5		0.41	0.5	0.79
15	S3	1	3	0.31	0.5	0.42	48	S4	5		0.43	0.7	0.57
16	S3	1	2	0.17	0.7	0.39	49	S4	5		0.49	0.3	0.62
17	S3	1	3	0.46	1.6	0.64	51	S4	6	1/4	0.48	0.3	0.84
18	S3	1	3	0.44	1.7	0.55	52	S4	6	3	0.37	0.4	0.65
19	S3	5		0.25	0.7	0.30	54	S4	4	2	0.45	1.9	0.80
20	S3	5		0.56	0.9	0.60	55	S4	4	2	0.38	1.3	0.60
21	S3	5		0.34	0.9	0.49	56	S4	4	2	0.44	0.8	0.70
22	S3	5		0.26	1.0	0.82	101	S6	6	1/4	0.36	0.2	0.69
25	S3	4	1/4	0.52	2.1	0.73	102	S6	4	1/4	0.45	0.3	0.66
26	S3	4	1/4	0.42	2.2	0.92	103	S6	4	1/4	0.39	0.3	0.81
27	S3	1	3	0.25	2.4	0.54	104	S6	1	3	0.32	0.1	0.49
28	S3	1	3	0.47	2.5	0.84	105	S6	1	3	0.36	0.3	0.80
29	S3	1	3	0.38	2.6	0.63	106	S6	1	3	0.58	0.4	0.82
30	S3	5		0.22	3.0	0.38	107	S6	1	2	0.33	0.5	0.55
31	S3	5		0.43	3.3	0.63	108	S6	5		0.47	0.8	0.83
33	S4	1	2	0.33	0.3	0.83	109	S6	5		0.55	0.1	0.70
34	S4	1	3	0.42	0.3	0.94	111	S6	1	2	0.34	0.2	0.72
35	S4	5		0.18	0.3	0.56	112	S6	4	2	0.39	0.4	0.66
37	S4	5		0.33	0.7	0.90	113	S6	1	3	0.36	0.2	0.76
39	S4	1	3	0.55	0.2	0.69	114	S6	1	3	0.38	0.2	0.77
40	S4	4	1/4	0.47	0.4	0.66	115	S6	5		0.32	0.4	0.54

Mean R_ITT: 0.39
Mean p-value: 0.67

Table 41. Constructed-Response Item Analyses, Grade 6 Reading

Item #	Session	CS	SA	R_ITT	Percent of Students Obtaining Score Level					Omit %	p-Value
					0	1	2	3	4		
4	S3	6	1/4	0.39	26.8	32.2	40.2			0.8	0.56
9	S3	4	1/4	0.40	18.5	33.4	47.5			0.7	0.64
10	S3	1	2	0.61	17.0	5.3	16.8	17.3	41.8	1.7	0.65
11	S3	4	2	0.52	37.8	22.8	38.3			1.0	0.50
23	S3	6	1/4	0.60	35.0	4.4	6.4	15.5	36.4	2.4	0.52
24	S3	6	1/4	0.45	25.6	33.5	37.7			3.2	0.54
32	S4	1	2	0.41	14.1	30.3	54.3			1.3	0.69
36	S4	1	2	0.45	35.8	43.4	18.0			2.8	0.40
38	S4	4	1/4	0.58	28.9	4.7	21.8	8.4	33.2	3.1	0.52
50	S4	4	1/4	0.57	18.9	37.8	41.4			1.9	0.60
53	S4	5		0.57	12.1	10.0	75.2			2.7	0.80
99	S6	6	1/4	0.55	9.0	14.5	18.8	56.9		0.9	0.74
100	S6	6	1/4	0.57	32.8	27.7	37.3			2.1	0.51
110	S6	1	2	0.41	4.1	30.4	64.3			1.3	0.79

Mean R_ITT: 0.51
Mean p-value: 0.61

Table 42. Multiple-Choice Item Analyses, Grade 6 Writing

Item #	Session	CS	SA	R_ITT	Omit %	p-Value	Item #	Session	CS	SA	R_ITT	Omit %	p-Value
57	S5	3	8	0.36	0.1	0.79	78	S5	2	5	0.30	0.4	0.51
58	S5	3	8	0.44	0.1	0.73	79	S5	2	5	0.33	0.3	0.47
59	S5	2		0.44	0.7	0.79	80	S5	2	5	0.42	0.4	0.72
60	S5	2		0.34	1.0	0.64	81	S5	2	5	0.46	0.4	0.76
61	S5	3	7	0.27	0.1	0.53	82	S5	3	8	0.42	0.4	0.75
62	S5	3	7	0.32	0.2	0.71	83	S5	3	8	0.27	0.5	0.36
63	S5	3	7	0.20	0.7	0.53	84	S5	3	7	0.31	0.4	0.68
64	S5	3	7	0.43	0.3	0.72	85	S5	3	7	0.38	0.9	0.75
65	S5	3	7	0.43	1.0	0.88	86	S5	3	7	0.40	0.6	0.64
66	S5	3	7	0.26	0.6	0.42	87	S5	3	7	0.38	0.3	0.74
67	S5	2	7	0.34	0.1	0.90	88	S5	3	7	0.38	0.3	0.47
68	S5	2	7	0.28	0.2	0.76	89	S5	2	8	0.44	2.5	0.66
69	S5	3	7	0.44	0.2	0.85	90	S5	3	8	0.44	0.4	0.76
70	S5	3	7	0.35	0.5	0.90	91	S5	3	8	0.43	0.7	0.86
71	S5	2		0.39	4.0	0.87	92	S5	2	7	0.48	0.8	0.79
72	S5	3	7	0.29	1.2	0.47	93	S5	3	7	0.51	0.3	0.83
73	S5	2	5	0.44	0.1	0.84	94	S5	3	7	0.48	0.4	0.73
75	S5	2	5	0.46	0.1	0.76	95	S5	3	7	0.59	0.5	0.71
76	S5	2	5	0.50	0.2	0.65	96	S5	3	7	0.32	0.9	0.45
77	S5	2	5	0.35	0.2	0.75	97	S5	3	7	0.49	2.0	0.63

Mean R_ITT: 0.39
 Mean p-value: 0.69

Table 43. Constructed-Response Item Analyses, Grade 6 Writing

Item #	Part	Session	CS	SA	R_ITT	Percent of Students Obtaining Score Level					Omit %	p-Value	
						0	1	2	3	4			
1		S1	2	6	0.08	0.5	99.5					0.0	0.99
2	A	S2	3	7	0.20	4.9	93.9					1.2	0.94
2	B	S2	3	7	0.31	5.9	92.9					1.2	0.93
2	C	S2	3	8	0.39	31.8	67.0					1.2	0.67
2	D	S2	3	8	0.47	31.7	67.1					1.2	0.67
2	E	S2	3	8	0.41	12.0	86.8					1.2	0.87
2	F	S2	3	8	0.47	66.7	32.1					1.2	0.32
3	A	S2	2	6	0.61	2.0	5.3	27.7	45.4	19.4		0.1	0.69
3	B	S2	2	6	0.66	0.2	5.6	29.5	45.4	19.3		0.1	0.69
3	C	S2	3	6	0.47	0.3	11.1	88.6				0.1	0.94
74		S5	2	5	0.61	2.2	7.7	48.2	36.1	4.4		1.4	0.58
98		S5	2	5	0.57	0.5	6.0	52.9	35.3	4.1		1.2	0.59
116		S6	2	5	0.57	0.3	6.8	51.7	35.2	4.8		1.2	0.59

Mean R_ITT: 0.45
 Mean p-value: 0.73

Table 44. Multiple-Choice Item Analyses, Grade 6 Mathematics

Item #	Session	CS	SA	R_ITT	Omit %	p-Value	Item #	Session	CS	SA	R_ITT	Omit %	p-Value
1	S1	2		0.47	2.5	0.88	31	S2	4/5		0.41	2.5	0.76
2	S1	6		0.53	2.9	0.84	32	S2	4/5	3	0.42	2.5	0.89
3	S1	1		0.34	2.4	0.51	33	S2	3		0.45	2.5	0.53
5	S1	1		0.45	2.6	0.58	35	S2	4/5	3	0.52	2.6	0.84
6	S1	6		0.56	2.4	0.82	36	S2	6		0.41	2.7	0.73
8	S1	6	1	0.43	3.0	0.75	37	S2	3		0.55	2.8	0.69
9	S1	1		0.40	2.7	0.77	39	S2	2	2	0.43	2.5	0.84
10	S1	4/5		0.47	2.4	0.78	41	S3	1	1	0.46	2.7	0.59
11	S1	1	1	0.58	2.5	0.65	42	S3	6		0.45	2.6	0.75
13	S1	4/5		0.51	2.7	0.82	43	S3	1		0.42	2.6	0.47
14	S1	2	2	0.48	2.6	0.39	45	S3	4/5	3	0.40	3.3	0.37
15	S1	3		0.55	2.6	0.77	46	S3	1	1	0.39	2.7	0.58
16	S1	3	2	0.45	2.5	0.45	47	S3	4/5		0.43	2.5	0.61
18	S1	6	1	0.52	3.0	0.73	48	S3	3		0.46	2.7	0.47
19	S1	4/5	3	0.39	2.7	0.57	50	S3	3		0.44	2.7	0.44
21	S2	1		0.45	2.5	0.68	51	S3	6		0.38	2.9	0.92
22	S2	1		0.43	2.7	0.31	52	S3	4/5	3	0.28	2.6	0.54
23	S2	2	2	0.39	2.4	0.94	54	S3	6	1	0.47	2.8	0.72
24	S2	6		0.50	4.1	0.86	55	S3	2	2	0.46	2.8	0.70
26	S2	1	1	0.36	2.5	0.72	56	S3	2	2	0.51	2.7	0.87
27	S2	2	2	0.50	2.6	0.81	57	S3	4/5		0.58	2.5	0.63
28	S2	3		0.45	2.5	0.81	59	S3	4/5		0.54	2.5	0.64
29	S2	4/5		0.51	2.7	0.60							

Mean R_ITT: 0.46
Mean p-value: 0.68

Table 45. Constructed-Response Item Analyses, Grade 6 Mathematics

Item #	Session	CS	SA	R_ITT	Percent of Students Obtaining Score Level					Omit %	p-Value	
					0	1	2	3	4			
4	S1	4/5		0.50	6.7	25.8	64.7				2.8	0.78
7	S1	3		0.63	1.0	19.7	24.3	51.8			3.2	0.75
12	S1	4/5	3	0.51	66.5	15.9	14.1				3.5	0.22
17	S1	1		0.60	31.4	31.5	3.0	29.5			4.7	0.42
20	S1	2	2	0.64	4.4	30.3	31.8	22.8	7.9		2.8	0.49
25	S2	3		0.49	0.4	17.5	79.5				2.6	0.88
30	S2	2	2	0.68	14.1	14.6	46.8	21.6			2.8	0.58
34	S2	6		0.62	18.1	24.2	54.9				2.8	0.67
38	S2	2		0.58	35.2	41.9	4.8	15.1			2.9	0.32
40	S2	3		0.71	0.7	12.8	17.2	34.4	32.1		2.8	0.70
44	S3	3		0.65	10.9	26.4	60.1				2.6	0.73
49	S3	4/5	3	0.70	10.0	19.6	36.0	31.8			2.6	0.62
53	S3	6		0.57	45.1	31.6	19.4				3.9	0.35
58	S3	4/5	3	0.55	16.7	56.2	24.5				2.6	0.53
60	S3	1	1	0.72	20.2	27.9	20.5	15.4	13.1		2.8	0.42

Mean R_ITT: 0.61
Mean p-value: 0.56

Table 46. Multiple-Choice Item Analyses, Grade 7 Reading

Item #	Session	CS	SA	R_ITT	Omit %	p-Value	Item #	Session	CS	SA	R_ITT	Omit %	p-Value
5	S3	1	1	0.34	0.1	0.82	42	S4	5		0.50	1.8	0.85
6	S3	6	1	0.44	0.1	0.86	45	S4	1	3	0.39	0.8	0.44
7	S3	6	1	0.44	0.1	0.90	46	S4	5		0.47	0.8	0.66
8	S3	4	1	0.42	0.2	0.79	47	S4	5		0.17	1.5	0.57
12	S3	1	1	0.34	0.2	0.69	48	S4	5		0.54	1.7	0.72
13	S3	4	1	0.45	0.3	0.92	92	S6	4	2	0.26	0.1	0.35
14	S3	4	1	0.28	0.4	0.65	93	S6	1	3	0.46	0.1	0.72
15	S3	5		0.26	0.5	0.55	94	S6	1	3	0.18	0.1	0.21
16	S3	5		0.42	0.3	0.58	95	S6	1	3	0.54	1.7	0.69
17	S3	5		0.29	0.3	0.92	96	S6	5		0.44	0.4	0.61
18	S3	4	2	0.46	0.3	0.78	98	S6	4	4	0.36	0.1	0.87
20	S3	5		0.49	0.3	0.67	99	S6	4	4	0.36	0.2	0.95
21	S3	4	2	0.47	0.4	0.67	101	S6	6	4	0.45	1.0	0.70
22	S3	4	2	0.47	0.6	0.78	102	S6	6	4	0.42	4.4	0.55
23	S3	5		0.41	0.7	0.50	103	S6	4	4	0.32	0.1	0.59
24	S3	5		0.33	1.1	0.44	104	S6	1	3	0.54	0.2	0.60
26	S4	6	1	0.40	0.3	0.84	105	S6	6	4	0.36	0.3	0.65
27	S4	4	1	0.44	0.1	0.74	106	S6	6	4	0.16	0.2	0.33
28	S4	1	3	0.38	0.2	0.47	107	S6	4	4	0.49	0.2	0.76
29	S4	1	3	0.40	0.2	0.92	108	S6	5		0.45	0.3	0.62
30	S4	4	1	0.45	0.4	0.91	109	S6	5		0.22	0.3	0.72
33	S4	4	2	0.55	0.2	0.84	110	S6	6	4	0.27	0.4	0.50
34	S4	1	2	0.49	1.1	0.74	111	S6	6	4	0.34	0.9	0.50
35	S4	5		0.10	0.3	0.43	113	S6	1	2	0.37	0.2	0.76
36	S4	1	3	0.10	0.3	0.38	114	S6	4	2	0.41	0.3	0.69
37	S4	1	3	0.41	0.5	0.54	115	S6	1	3	0.35	0.3	0.79
39	S4	1	2	0.47	0.5	0.82	116	S6	1	3	0.37	0.3	0.80
40	S4	5		0.37	1.3	0.47	117	S6	5		0.32	0.5	0.55
41	S4	4	2	0.33	1.3	0.45							

Mean R_ITT: 0.38
 Mean p-value: 0.66

Table 47. Constructed-Response Item Analyses, Grade 7 Reading

Item #	Session	CS	SA	R_ITT	Percent of Students Obtaining Score Level					Omit %	p-Value
					0	1	2	3	4		
4	S3	6	1	0.40	26.8	29.9	42.4			0.9	0.57
9	S3	4	1	0.39	16.9	33.5	48.8			0.8	0.66
10	S3	6	1	0.49	15.7	54.4	28.6			1.4	0.56
11	S3	6	1	0.55	17.6	17.2	63.9			1.3	0.72
19	S3	5		0.39	54.4	29.8	11.7			4.1	0.27
25	S4	5		0.49	22.9	31.8	43.3			2.1	0.59
31	S4	6	1	0.33	30.5	40.6	13.7	10.3		5.0	0.33
32	S4	1	1	0.50	10.0	0.2	26.9	61.1		1.7	0.79
38	S4	1	2	0.58	37.5	8.3	42.4	6.8		5.1	0.38
43	S4	1	2	0.49	26.8	40.9	29.4			2.9	0.50
44	S4	4	2	0.48	27.1	51.6	18.9			2.4	0.45
91	S6	1	2	0.59	21.4	35.3	40.9			2.5	0.58
97	S6	6	4	0.36	29.4	32.6	35.2			2.8	0.51
100	S6	1	4	0.45	27.9	32.7	27.7	9.0		2.7	0.38
112	S6	1	2	0.45	3.6	25.0	69.5			1.9	0.82

Mean R_ITT: 0.46
 Mean p-value: 0.54

Table 48. Multiple-Choice Item Analyses, Grade 7 Writing

Item #	Session	CS	SA	R_ITT	Omit %	p-Value	Item #	Session	CS	SA	R_ITT	Omit %	p-Value
49	S5	3	8	0.40	0.1	0.68	70	S5	2	8	0.48	0.7	0.78
50	S5	3	7	0.23	0.2	0.58	71	S5	2	8	0.43	0.3	0.58
51	S5	3	8	0.38	0.3	0.80	72	S5	2	8	0.40	0.3	0.73
52	S5	3	7	0.46	1.3	0.84	73	S5	2	8	0.48	0.5	0.87
53	S5	3	7	0.36	1.6	0.87	74	S5	3	7	0.39	0.3	0.55
54	S5	3	7	0.46	3.0	0.69	75	S5	3	7	0.34	0.5	0.45
55	S5	2	7	0.29	0.1	0.92	76	S5	3	7	0.31	0.5	0.54
56	S5	2	7	0.27	0.2	0.82	77	S5	3	7	0.50	0.4	0.73
57	S5	3	7	0.32	0.2	0.44	78	S5	3	7	0.57	1.1	0.75
58	S5	3	7	0.36	0.2	0.74	79	S5	2	7	0.47	0.8	0.84
59	S5	3	7	0.41	0.4	0.82	80	S5	2	5	0.49	0.2	0.65
60	S5	3	7	0.29	0.3	0.49	81	S5	2	5	0.28	0.3	0.60
61	S5	3	7	0.44	0.3	0.42	82	S5	3	8	0.39	0.3	0.53
62	S5	3	7	0.36	0.3	0.49	83	S5	3	8	0.22	0.6	0.26
63	S5	2		0.41	0.4	0.54	84	S5	3	8	0.46	0.6	0.76
64	S5	2		0.35	3.7	0.67	85	S5	3	8	0.42	0.3	0.88
65	S5	2	5	0.33	0.1	0.69	86	S5	3	8	0.39	0.4	0.80
66	S5	2	7	0.35	0.2	0.45	87	S5	3	7	0.30	0.4	0.56
68	S5	2	8	0.32	0.2	0.46	88	S5	3	7	0.45	0.4	0.65
69	S5	2	8	0.41	0.3	0.49	89	S5	3	7	0.36	0.4	0.70

Mean R_ITT: 0.38
Mean p-value: 0.65

Table 49. Constructed-Response Item Analyses, Grade 7 Writing

Item #	Part	Session	CS	SA	R_ITT	Percent of Students Obtaining Score Level					Omit %	p-Value	
						0	1	2	3	4			
1		S1	2	6	0.08	0.8	99.2					0.0	0.99
2	A	S2	3	8	0.32	60.6	38.1					1.4	0.38
2	B	S2	3	8	0.24	54.1	44.5					1.4	0.45
2	C	S2	3	8	0.31	63.1	35.5					1.4	0.36
2	D	S2	3	7	0.47	53.0	45.7					1.4	0.46
2	E	S2	3	8	0.29	28.0	70.6					1.4	0.71
2	F	S2	3	7	0.17	63.4	35.2					1.4	0.35
3	A	S2	2	6	0.57	1.0	2.1	20.8	54.7	21.1		0.2	0.73
3	B	S2	2	6	0.61	0.1	2.9	26.0	54.3	16.5		0.2	0.71
3	C	S2	3	6	0.44	0.2	14.8	84.8				0.2	0.92
67		S5	2	5	0.56	0.3	5.5	35.9	48.4	8.2		1.7	0.64
90		S5	2	5	0.56	0.2	6.7	43.6	43.9	4.4		1.3	0.61
118		S6	2	5	0.57	0.2	7.5	39.5	44.4	6.6		1.8	0.62

Mean R_ITT: 0.40
Mean p-value: 0.61

Table 50. Multiple-Choice Item Analyses, Grade 7 Mathematics

Item #	Session	CS	SA	R_ITT	Omit %	p-Value	Item #	Session	CS	SA	R_ITT	Omit %	p-Value
1	S1	1/6	2	0.39	0.0	0.59	31	S2	1/6		0.15	0.7	0.60
2	S1	1/6		0.28	0.1	0.93	32	S2	1/6		0.42	7.6	0.69
3	S1	4/5	2	0.50	0.3	0.56	34	S2	1/6		0.35	0.6	0.88
5	S1	2		0.33	0.2	0.60	36	S2	2		0.20	0.2	0.94
6	S1	3		0.42	0.2	0.64	37	S2	3		0.30	0.5	0.43
8	S1	1/6		0.48	0.6	0.71	38	S2	4/5		0.29	0.2	0.65
9	S1	1/6		0.42	1.1	0.77	39	S2	2		0.29	0.4	0.55
10	S1	3		0.23	0.1	0.94	41	S3	4/5		0.50	0.1	0.69
11	S1	4/5		0.19	0.2	0.56	42	S3	1/6	1	0.35	0.1	0.60
12	S1	1/6		0.34	0.3	0.56	43	S3	2		0.36	0.3	0.55
14	S1	3		0.38	0.4	0.45	45	S3	2		0.53	0.4	0.42
16	S1	2	2	0.27	0.3	0.85	46	S3	3	1	0.49	0.2	0.73
17	S1	4/5		0.33	0.4	0.79	47	S3	1/6		0.50	0.5	0.49
18	S1	4/5		0.39	0.3	0.51	50	S3	4/5	2	0.30	0.3	0.53
19	S1	2		0.39	0.9	0.54	51	S3	1/6		0.35	0.5	0.76
21	S2	1/6		0.39	0.3	0.72	52	S3	1/6		0.48	1.3	0.51
22	S2	4/5		0.16	0.1	0.93	53	S3	3		0.51	0.4	0.55
23	S2	3		0.41	0.1	0.43	54	S3	4/5		0.35	0.3	0.73
24	S2	3		0.42	0.3	0.61	56	S3	2		0.20	0.4	0.33
26	S2	1/6		0.36	1.0	0.73	57	S3	4/5	2	0.38	0.2	0.39
27	S2	4/5		0.31	0.1	0.81	58	S3	3		0.42	0.2	0.57
28	S2	2		0.43	0.3	0.60	59	S3	1/6		0.46	0.4	0.61
30	S2	4/5		0.41	0.3	0.55							

Mean R_ITT: 0.36
 Mean p-value: 0.64

Table 51. Constructed-Response Item Analyses, Grade 7 Mathematics

Item #	Session	CS	SA	R_ITT	Percent of Students Obtaining Score Level					Omit %	p-Value	
					0	1	2	3	4			
4	S1	4/5	2	0.64	55.0	20.0	23.9				1.1	0.34
7	S1	4/5	2	0.55	34.6	20.6	20.5	20.1			4.3	0.41
13	S1	2		0.60	40.5	19.6	34.8				5.2	0.45
15	S1	2		0.72	21.9	32.3	23.2	21.2			1.3	0.47
20	S1	1/6	1	0.68	53.3	14.7	10.4	9.3	10.7		1.8	0.26
25	S2	1/6		0.51	13.5	19.5	66.4				0.5	0.76
29	S2	3		0.65	22.9	27.8	24.0	23.7			1.6	0.49
33	S2	3		0.31	0.5	20.9	78.2				0.4	0.89
35	S2	2		0.66	17.3	11.3	41.2	29.8			0.4	0.61
40	S2	4/5	1	0.59	69.0	13.1	7.2	2.7	6.0		2.1	0.15
44	S3	4/5		0.54	29.3	32.6	37.1				1.0	0.53
48	S3	1/6		0.67	50.8	30.7	12.6	5.3			0.7	0.24
49	S3	1/6	1	0.36	19.3	37.6	42.3				0.9	0.61
55	S3	4/5		0.56	65.1	25.2	4.2	3.2			2.4	0.14
60	S3	3		0.57	25.5	10.8	28.5	17.4	16.3		1.5	0.46

Mean R_ITT: 0.57
 Mean p-value: 0.45

Table 52. Multiple-Choice Item Analyses, Grade 8 Reading

Item #	Session	CS	SA	R_ITT	Omit %	p-Value	Item #	Session	CS	SA	R_ITT	Omit %	p-Value
4	S3	6	1	0.43	0.2	0.81	38	S4	1	1	0.37	0.2	0.79
5	S3	4	1	0.39	0.1	0.90	39	S4	1	1	0.24	0.3	0.84
6	S3	4	1	0.36	0.1	0.82	40	S4	4	1	0.35	0.7	0.48
7	S3	6	1	0.19	0.1	0.49	41	S4	6	1	0.28	1.9	0.48
8	S3	1	3	0.47	0.1	0.90	42	S4	4	1	0.36	2.3	0.54
9	S3	1	3	0.45	0.2	0.54	43	S4	4	2	0.25	1.9	0.37
10	S3	1	2	0.18	0.2	0.82	44	S4	5		0.47	1.4	0.89
11	S3	1	2	0.35	0.2	0.93	47	S4	1	3	0.44	0.9	0.53
12	S3	4	2	0.40	0.2	0.48	48	S4	6	4	0.31	0.9	0.88
13	S3	4	2	0.28	1.0	0.55	49	S4	6	4	0.39	1.0	0.66
16	S3	4	2	0.37	0.4	0.88	50	S4	6	3	0.43	1.2	0.63
17	S3	4	2	0.50	0.3	0.87	52	S4	5		0.53	1.5	0.77
18	S3	4	2	0.41	1.3	0.92	96	S6	4	2	0.32	0.2	0.41
19	S3	4	2	0.26	1.9	0.88	97	S6	6	2	0.33	0.1	0.74
20	S3	6	2	0.45	2.1	0.76	98	S6	1	3	0.46	0.1	0.77
21	S3	5		0.39	0.4	0.87	99	S6	1	3	0.25	0.2	0.25
22	S3	5		0.42	0.5	0.71	100	S6	1	3	0.56	0.4	0.75
26	S4	4	1	0.46	0.5	0.83	101	S6	5		0.48	0.1	0.68
27	S4	1	1	0.52	3.4	0.73	104	S6	6	4	0.22	0.2	0.37
28	S4	4	1	0.44	0.1	0.92	105	S6	6	4	0.20	0.3	0.33
29	S4	4	1	0.52	0.2	0.84	106	S6	5		0.25	0.6	0.37
30	S4	1	3	0.37	0.2	0.74	107	S6	4	4	0.32	0.5	0.46
31	S4	5		0.30	0.4	0.69	108	S6	5		0.23	1.3	0.34
32	S4	1	2	0.46	0.2	0.89	111	S6	1	3	0.44	0.6	0.81
33	S4	1	2	0.45	2.1	0.68	112	S6	1	3	0.48	0.7	0.57
34	S4	4	2	0.35	0.5	0.47	114	S6	5		0.19	4.4	0.88
35	S4	5		0.50	0.1	0.85	115	S6	1	3	0.33	4.6	0.39
36	S4	1	2	0.40	0.4	0.88	116	S6	4	2	0.29	4.8	0.56

Mean R_ITT : 0.37

Mean p-value: 0.68

Table 53. Constructed-Response Item Analyses, Grade 8 Reading

Item #	Session	CS	SA	R_ITT	Percent of Students Obtaining Score Level					Omit %	p-Value
					0	1	2	3	4		
14	S3	1	2	0.47	10.3	19.0	69.8			1.0	0.79
15	S3	1	2	0.53	23.9	35.1	36.9			4.1	0.54
24	S4	6	1	0.54	19.4	11.4	66.0			3.2	0.72
25	S4	5		0.70	17.7	9.6	16.1	51.6		5.0	0.66
37	S4	6	1	0.44	10.1	1.1	32.3	55.2		1.4	0.77
45	S4	1	2	0.47	17.7	36.2	42.7			3.4	0.61
46	S4	4	2	0.43	21.4	52.4	23.2			3.0	0.49
51	S4	6	4	0.61	9.1	34.0	35.5	14.6		6.8	0.50
95	S6	1	2	0.60	12.4	28.7	56.2			2.7	0.71
102	S6	1	4	0.49	8.6	41.6	22.2	22.7		4.9	0.51
103	S6	6	4	0.57	38.3	33.0	22.0			6.7	0.38
109	S6	1	2	0.61	21.1	20.2	56.0			2.8	0.66
110	S6	5		0.59	31.9	17.2	18.8	22.7		9.4	0.41
113	S6	5		0.57	26.6	7.0	11.7	46.2		8.6	0.56

Mean R_ITT: 0.54

Mean p-value: 0.59

Table 54. Multiple-Choice Item Analyses, Grade 8 Writing

Item #	Session	CS	SA	R_ITT	Omit %	p-Value	Item #	Session	CS	SA	R_ITT	Omit %	p-Value
53	S5	3	8	0.32	0.1	0.82	74	S5	2	5	0.46	0.4	0.80
54	S5	3	8	0.33	0.1	0.44	75	S5	3	7	0.26	0.3	0.66
55	S5	3	8	0.48	0.1	0.79	76	S5	3	7	0.16	0.4	0.37
56	S5	3	7	0.41	0.1	0.82	77	S5	2	5	0.27	0.2	0.53
57	S5	3	7	0.36	0.6	0.72	78	S5	2	5	0.25	0.5	0.49
58	S5	2	8	0.44	0.2	0.71	79	S5	3	7	0.52	0.3	0.84
60	S5	3	8	0.24	0.2	0.27	80	S5	2	8	0.36	0.3	0.71
61	S5	3	8	0.45	0.3	0.83	81	S5	2	8	0.51	1.3	0.87
62	S5	3	8	0.42	0.3	0.61	82	S5	2	5	0.37	0.2	0.70
63	S5	3	8	0.49	0.6	0.76	83	S5	2	5	0.44	0.2	0.79
64	S5	3	8	0.39	0.2	0.30	84	S5	2		0.41	0.4	0.84
65	S5	3	8	0.43	0.3	0.55	85	S5	2		0.43	0.2	0.72
66	S5	3	8	0.38	0.2	0.92	86	S5	2	5	0.47	0.2	0.86
67	S5	3	8	0.34	0.4	0.84	87	S5	2		0.44	0.2	0.65
68	S5	3	7	0.52	0.2	0.80	88	S5	2	5	0.48	0.3	0.75
69	S5	2	5	0.38	0.2	0.71	89	S5	3	7	0.42	0.2	0.57
70	S5	2	8	0.40	0.2	0.68	90	S5	3	7	0.46	0.4	0.69
71	S5	3	7	0.43	0.3	0.91	91	S5	3	7	0.26	0.5	0.46
72	S5	3	7	0.49	0.2	0.67	92	S5	3	7	0.46	0.3	0.65
73	S5	3	8	0.23	0.5	0.45	93	S5	3	7	0.51	3.0	0.79

Mean R_ITT: 0.40
 Mean p-value: 0.68

Table 55. Constructed-Response Item Analyses, Grade 8 Writing

Item #	Part	Session	CS	SA	R_ITT	Percent of Students Obtaining Score Level					Omit %	p-Value	
						0	1	2	3	4			
1		S1	2	6	0.12	0.8	99.2					0.0	0.99
2	A	S2	3	8	0.52	31.3	67.3					1.3	0.67
2	B	S2	3	8	0.08	37.5	61.2					1.3	0.61
2	C	S2	3	8	0.36	74.4	24.3					1.3	0.24
2	D	S2	3	8	0.17	49.6	49.1					1.3	0.49
2	E	S2	3	7	0.30	75.2	23.5					1.3	0.23
2	F	S2	3	7	0.51	39.0	59.7					1.3	0.60
3	A	S2	2	6	0.60	0.8	3.5	31.0	50.0	14.7		0.1	0.69
3	B	S2	2	6	0.63	0.1	4.5	32.7	48.7	13.9		0.1	0.68
3	C	S2	3	6	0.41	0.2	6.2	93.5				0.1	0.97
23		S3	2	5	0.60	0.3	6.7	44.4	40.2	7.0		1.5	0.61
59		S5	2	5	0.59	0.2	5.9	44.1	42.0	7.0		0.7	0.62
94		S5	2	5	0.56	0.2	7.3	48.6	37.0	5.5		1.5	0.59

Mean R_ITT : 0.42
 Mean p-value: 0.62

Table 56. Multiple-Choice Item Analyses, Grade 8 Mathematics

Item #	Session	CS	SA	R_ITT	Omit %	p-Value	Item #	Session	CS	SA	R_ITT	Omit %	p-Value
1	S1	2		0.42	0.1	0.74	32	S2	1/6		0.31	0.3	0.35
2	S1	3		0.35	0.3	0.44	33	S2	3	2	0.49	0.2	0.64
3	S1	4/5	2	0.40	0.1	0.56	34	S2	4/5	3	0.12	0.4	0.25
5	S1	3		0.49	0.6	0.46	36	S2	4/5	3	0.27	0.2	0.23
7	S1	4/5	3	0.45	0.7	0.38	37	S2	1/6		0.49	0.3	0.46
8	S1	4/5	2	0.34	0.3	0.23	38	S2	2	1	0.46	0.3	0.48
9	S1	1/6		0.34	0.2	0.64	39	S2	3		0.27	0.5	0.35
10	S1	1/6		0.39	6.3	0.75	41	S3	3		0.37	0.0	0.80
12	S1	4/5		0.38	0.1	0.57	42	S3	2		0.54	0.2	0.36
13	S1	4/5	3	0.35	0.2	0.13	43	S3	1/6	2	0.42	0.2	0.73
14	S1	1/6		0.46	0.7	0.67	45	S3	2		0.31	0.4	0.39
16	S1	2		0.38	0.4	0.81	47	S3	2	2	0.33	0.2	0.32
17	S1	3		0.41	0.4	0.70	49	S3	4/5	2	0.44	0.2	0.59
18	S1	2	1	0.32	0.5	0.29	50	S3	4/5		0.32	0.4	0.44
19	S1	2		0.36	0.8	0.53	51	S3	4/5	2	0.22	0.2	0.82
21	S2	2	2	0.29	0.1	0.58	52	S3	4/5	2	0.22	0.2	0.50
22	S2	1/6	2	0.35	0.2	0.64	53	S3	1/6		0.46	0.3	0.74
23	S2	2	1	0.53	0.2	0.53	54	S3	4/5		0.43	0.4	0.67
24	S2	2		0.22	0.2	0.74	56	S3	3		0.25	0.4	0.57
26	S2	4/5	2	0.29	0.3	0.48	57	S3	1/6		0.47	0.5	0.66
27	S2	3		0.17	0.5	0.12	58	S3	3		0.40	0.3	0.63
29	S2	4/5		0.29	0.1	0.70	59	S3	1/6	2	0.42	0.4	0.64
30	S2	1/6		0.16	0.3	0.65							

Mean R_ITT: 0.36
Mean p-value: 0.53

Table 57. Constructed-Response Item Analyses, Grade 8 Mathematics

Item #	Session	CS	SA	R_ITT	Percent of Students Obtaining Score Level					Omit %	p-Value	
					0	1	2	3	4			
4	S1	2	1	0.58	32.5	18.6	43.9				5.0	0.53
6	S1	2	1	0.50	4.2	19.6	33.9	41.9			0.4	0.71
11	S1	1/6		0.37	21.1	15.6	62.2				1.1	0.70
15	S1	4/5	3	0.56	27.4	52.3	7.8	10.6			1.9	0.33
20	S1	1/6		0.71	46.8	14.9	12.2	11.0	12.8		2.3	0.31
25	S2	3		0.42	88.7	5.8	4.1				1.3	0.07
28	S2	4/5		0.59	46.9	35.1	14.2	1.6			2.1	0.23
31	S2	2	1	0.63	38.6	43.0	16.9	1.5			1.5	0.27
35	S2	3		0.64	19.3	24.0	25.2	30.0			1.5	0.55
40	S2	2	1	0.58	4.3	9.5	51.7	24.6	9.1		0.8	0.56
44	S3	4/5	3	0.62	54.0	14.3	27.8				3.9	0.35
46	S3	3	2	0.71	39.0	21.6	18.6	18.7			2.2	0.38
48	S3	1/6	2	0.53	73.2	6.9	16.9				2.9	0.20
55	S3	1/6	2	0.62	25.6	32.5	31.2	9.4			1.3	0.41
60	S3	4/5	3	0.61	61.3	19.3	10.1	5.6	1.9		1.7	0.16

Mean R_ITT: 0.58
Mean p-value: 0.38

Table 58. Multiple-Choice Item Analyses, Grade 8 Science

Item #	Session	CS	SA	R_ITT	Omit %	p-Value	Item #	Session	CS	SA	R_ITT	Omit %	p-Value
1	S1	3		0.12	0.1	0.36	43	S2	4	5	0.40	0.7	0.48
2	S1	1	1	0.28	0.1	0.50	44	S2	2	4	0.43	0.2	0.68
3	S1	5/6		0.53	0.1	0.76	45	S2	3		0.22	0.3	0.46
4	S1	1	1	0.45	0.0	0.77	47	S2	1	1	0.34	0.2	0.40
5	S1	3		0.37	0.1	0.53	48	S2	5/6		0.53	0.1	0.92
6	S1	3		0.42	0.2	0.70	49	S2	4		0.17	0.6	0.30
8	S1	3		0.30	0.1	0.66	52	S2	3		0.33	0.2	0.50
9	S1	2	3	0.52	0.1	0.81	53	S2	5/6		0.52	0.3	0.55
10	S1	4		0.40	0.3	0.47	55	S2	3		0.37	0.2	0.58
11	S1	2	3	0.44	0.2	0.58	57	S3	3		0.26	0.1	0.49
12	S1	1	2	0.46	0.1	0.54	58	S3	3		0.41	0.6	0.77
13	S1	4		0.22	0.2	0.41	59	S3	2	3	0.47	0.3	0.76
14	S1	1	2	0.37	0.1	0.63	60	S3	3		0.31	0.2	0.32
15	S1	4	5	0.50	0.1	0.90	61	S3	2	4	0.45	0.4	0.81
16	S1	4	5	0.46	2.5	0.87	62	S3	5/6		0.38	0.2	0.73
17	S1	5/6		0.57	0.1	0.79	63	S3	2	3	0.45	0.1	0.53
18	S1	4	5	0.45	0.3	0.49	64	S3	1	2	0.50	0.1	0.93
19	S1	4	5	0.41	0.3	0.58	65	S3	1	2	0.49	0.4	0.88
27	S2	1	2	0.52	0.1	0.88	69	S3	2	3	0.33	0.4	0.40
28	S2	2	3	0.51	0.1	0.92	71	S3	4	5	0.29	0.2	0.22
29	S2	1	2	0.53	0.2	0.74	72	S3	2	3	0.42	0.2	0.79
30	S2	1	2	0.44	4.4	0.69	73	S3	5/6		0.38	0.4	0.62
31	S2	1	1	0.51	0.4	0.57	74	S3	3		0.58	0.1	0.82
32	S2	4	5	0.19	0.2	0.15	75	S3	3		0.47	0.2	0.80
33	S2	5/6		0.50	0.3	0.75	76	S3	3		0.42	0.4	0.79
34	S2	1	1	0.49	0.1	0.82	77	S3	5/6		0.17	0.3	0.27
36	S2	4	5	0.37	0.2	0.47	78	S3	4		0.24	0.1	0.39
37	S2	4	5	0.20	0.2	0.39	79	S3	1	1	0.48	0.2	0.72
38	S2	5/6		0.38	0.1	0.43	80	S3	2	4	0.29	0.2	0.26
39	S2	2	3	0.48	0.2	0.72	81	S3	2	4	0.43	0.3	0.76
40	S2	2	3	0.45	0.3	0.55	82	S3	5/6		0.45	0.3	0.66
41	S2	2	4	0.14	0.4	0.28	83	S3	4	5	0.37	0.4	0.48
42	S2	2	3	0.03	0.2	0.52							

Mean R_ITT: 0.40
Mean p-value: 0.61

Table 59. Constructed-Response Item Analyses, Grade 8 Science

Item #	Session	CS	SA	R_ITT	Percent of Students Obtaining Score Level					Omit %	p-Value
					0	1	2	3	4		
7	S1	3		0.57	33.7	33.3	28.9			4.2	0.45
20	S1	1	1	0.47	40.3	58.8				1.0	0.59
21	S1	1	1	0.33	31.7	67.6				0.8	0.68
22	S1	1	1	0.49	27.2	25.1	44.6			3.0	0.57
23	S1	1	1	0.49	37.1	61.0				1.9	0.61
24	S1	1	2	0.59	18.5	11.2	16.5	25.1	27.5	1.2	0.57
25	S1	1	2	0.63	16.3	28.7	52.7			2.2	0.67
26	S2	1	1	0.64	36.2	23.7	21.0	17.7		1.5	0.40
35	S2	3		0.54	10.7	35.1	52.8			1.5	0.70
46	S2	4	5	0.40	44.2	47.9	3.6			4.4	0.28
50	S2	2	4	0.41	33.6	60.5	4.9			1.0	0.35
51	S2	4	5	0.42	64.8	12.2	12.2			10.8	0.18
54	S2	2	4	0.41	65.6	15.8	7.9			10.8	0.16
56	S3	4	5	0.33	33.5	42.6	17.9	4.0		2.0	0.30
66	S3	3		0.55	26.7	51.3	20.0			2.0	0.46
67	S3	1	1	0.38	45.2	53.3				1.5	0.53
68	S3	1	1	0.65	15.2	8.7	34.6	39.6		1.9	0.66
70	S3	2	4	0.29	84.2	10.7				5.1	0.11

Mean R_ITT: 0.48
Mean p-value: 0.46

Table 60. Multiple-Choice Item Analyses, Grade 9 Reading

Item #	Session	CS	SA	R_ITT	Omit %	p-Value	Item #	Session	CS	SA	R_ITT	Omit %	p-Value
4	S3	5		0.19	0.1	0.89	40	S4	4	1	0.34	0.5	0.50
5	S3	1	2	0.36	0.2	0.66	41	S4	6	1	0.30	0.3	0.53
7	S3	1	2	0.09	0.1	0.30	42	S4	4	1	0.37	0.5	0.56
8	S3	4	2	0.37	0.2	0.80	44	S4	5		0.25	0.4	0.27
9	S3	4	2	0.15	0.3	0.28	47	S4	1	3	0.46	0.5	0.52
11	S3	6	1	0.32	0.7	0.78	48	S4	1	3	0.44	0.6	0.73
12	S3	6	1	0.36	0.1	0.71	49	S4	1	2	0.40	0.6	0.74
13	S3	1	3	0.41	0.1	0.48	50	S4	1	2	0.48	0.7	0.80
14	S3	1	3	0.48	0.2	0.76	51	S4	4	2	0.57	0.7	0.82
15	S3	1	3	0.20	0.2	0.34	52	S4	6	2	0.48	1.0	0.63
16	S3	4	1	0.45	0.4	0.84	96	S6	6	1	0.30	0.2	0.55
17	S3	6	4	0.30	0.2	0.67	97	S6	6	1	0.38	0.1	0.79
18	S3	4	4	0.37	0.4	0.61	98	S6	1	3	0.48	0.1	0.79
19	S3	1	4	0.45	0.6	0.83	99	S6	5		0.29	0.2	0.58
20	S3	6	4	0.21	0.3	0.57	101	S6	5		0.32	1.7	0.44
21	S3	5		0.36	0.8	0.60	102	S6	5		0.48	0.1	0.68
23	S3	6	4	0.36	0.2	0.89	104	S6	1	2	0.47	0.2	0.74
24	S3	4	4	0.45	0.3	0.83	105	S6	1	2	0.45	0.2	0.85
26	S3	6	4	0.44	0.4	0.69	106	S6	4	2	0.46	0.2	0.86
27	S3	5		0.38	0.5	0.63	107	S6	4	2	0.53	0.2	0.84
28	S4	1	1	0.38	0.3	0.74	108	S6	5		0.40	0.3	0.74
31	S4	4	1	0.51	0.2	0.63	109	S6	5		0.40	0.3	0.61
32	S4	1	3	0.26	0.2	0.54	110	S6	1	3	0.43	0.2	0.64
33	S4	6	1	0.33	0.4	0.32	111	S6	5		0.48	0.4	0.67
34	S4	5		0.27	0.3	0.53	114	S6	1	3	0.42	3.4	0.84
35	S4	5		0.14	0.2	0.46	115	S6	1	3	0.46	3.4	0.57
36	S4	5		0.48	1.3	0.80	116	S6	1	3	0.33	3.7	0.47
38	S4	1	1	0.40	0.1	0.85	117	S6	4	2	0.32	4.3	0.58
39	S4	1	1	0.25	0.2	0.83							

Mean R_ITT: 0.37
 Mean p-value: 0.65

Table 61. Constructed-Response Item Analyses, Grade 9 Reading

Item #	Session	CS	SA	R_ITT	Percent of Students Obtaining Score Level					Omit %	p-Value
					0	1	2	3	4		
6	S3	4	2	0.61	15.9	5.5	20.2	55.2		3.2	0.71
10	S3	6	1	0.39	3.4	21.7	44.7	27.8		2.4	0.65
22	S3	1	4	0.28	9.3	17.7	70.4			2.6	0.79
25	S3	6	4	0.52	14.1	8.1	16.9	52.9		7.9	0.67
29	S4	1	1	0.65	14.3	13.8	14.7	50.9		6.3	0.65
30	S4	6	1	0.49	19.7	42.2	34.2			3.9	0.55
37	S4	6	1	0.51	8.8	1.3	26.9	60.8		2.2	0.79
43	S4	5		0.50	44.3	24.5	25.2			5.9	0.37
45	S4	4	2	0.64	19.5	21.2	27.9	24.1		7.2	0.50
46	S4	4	2	0.58	6.7	23.9	28.5	33.7		7.2	0.61
100	S6	1	1	0.49	48.4	13.5	20.3	11.2		6.7	0.29
103	S6	5		0.62	9.7	13.3	24.3	47.7		4.9	0.68
112	S6	1	2	0.62	17.4	17.9	61.1			3.5	0.70
113	S6	5		0.59	31.2	15.0	22.1	20.8		10.8	0.41

Mean R_ITT: 0.54
 Mean p-value: 0.60

Table 62. Multiple-Choice Item Analyses, Grade 9 Writing

Item #	Session	CS	SA	R_ITT	Omit %	p-Value	Item #	Session	CS	SA	R_ITT	Omit %	p-Value
54	S5	2		0.39	0.1	0.56	75	S5	2	7	0.36	0.3	0.67
55	S5	3	8	0.27	0.1	0.29	76	S5	2	5	0.46	0.3	0.79
56	S5	3	8	0.38	0.3	0.57	77	S5	2		0.42	0.2	0.76
57	S5	3	8	0.52	0.1	0.76	78	S5	2	5	0.45	0.2	0.89
58	S5	3	8	0.47	0.2	0.73	79	S5	2		0.47	0.3	0.73
59	S5	3	8	0.34	0.5	0.55	80	S5	2	5	0.46	0.3	0.79
60	S5	3	8	0.44	4.5	0.67	81	S5	2	7	0.49	0.2	0.84
61	S5	3	7	0.48	0.1	0.83	82	S5	3	7	0.39	0.5	0.42
62	S5	3	7	0.39	0.2	0.74	83	S5	3	8	0.31	0.4	0.76
63	S5	3	7	0.31	0.2	0.63	84	S5	3	7	0.40	0.3	0.53
64	S5	3	7	0.49	0.5	0.67	85	S5	3	7	0.55	0.4	0.69
65	S5	3	7	0.48	0.2	0.74	86	S5	3	7	0.43	0.3	0.65
66	S5	3	7	0.38	0.2	0.84	87	S5	3	7	0.47	0.7	0.72
67	S5	3	7	0.44	0.3	0.72	88	S5	3	7	0.29	0.3	0.34
68	S5	3	7	0.14	0.5	0.46	89	S5	3	7	0.32	0.5	0.56
69	S5	2	5	0.54	0.1	0.81	90	S5	3	7	0.44	0.4	0.63
70	S5	2	5	0.51	0.2	0.73	91	S5	2	8	0.38	0.3	0.48
71	S5	2	5	0.48	0.3	0.87	92	S5	2	5	0.52	0.3	0.71
73	S5	2	8	0.47	0.1	0.78	93	S5	2	5	0.40	0.3	0.75
74	S5	3	7	0.40	0.2	0.55	94	S5	3	7	0.28	0.4	0.58

Mean R_ITT: 0.41
Mean p-value: 0.67

Table 63. Constructed-Response Item Analyses, Grade 9 Writing

Item #	Part	Session	CS	SA	R_ITT	Percent of Students Obtaining Score Level					Omit %	p-Value	
						0	1	2	3	4			
1		S1	2	6	0.15	1.3	98.7					0.0	0.99
2	A	S2	3	7	0.43	19.2	79.5					1.3	0.79
2	B	S2	3	7	0.40	8.5	90.2					1.3	0.90
2	C	S2	3	7	0.43	58.4	40.3					1.3	0.40
2	D	S2	3	8	0.18	20.8	77.9					1.3	0.78
2	E	S2	3	8	0.35	57.4	41.3					1.3	0.41
2	F	S2	3	8	0.28	16.4	82.2					1.3	0.82
3	A	S2	2	6	0.57	1.0	5.1	63.1	28.7	1.8		0.3	0.56
3	B	S2	2	6	0.59	0.1	6.0	62.9	28.9	1.8		0.3	0.56
3	C	S2	3	6	0.45	0.1	9.3	90.4				0.3	0.95
53		S4	2	5	0.56	0.4	10.9	50.7	28.5	5.9		3.5	0.55
72		S5	2	5	0.59	0.2	12.2	48.7	30.7	6.7		1.4	0.57
95		S5	2	5	0.60	0.3	16.6	45.7	25.6	7.0		4.9	0.53

Mean R_ITT: 0.43
Mean p-value: 0.68

Table 64. Multiple-Choice Item Analyses, Grade 9 Mathematics

Item #	Session	CS	SA	R_ITT	Omit %	p-Value	Item #	Session	CS	SA	R_ITT	Omit %	p-Value
1	S1	4/5		0.29	0.2	0.63	31	S2	1/6	2	0.35	0.6	0.54
2	S1	1/6	2	0.40	0.4	0.78	34	S2	4/5		0.32	0.4	0.26
3	S1	1/6		0.46	0.2	0.66	35	S2	4/5		0.21	0.3	0.53
5	S1	4/5	2	0.28	0.1	0.51	36	S2	2		0.47	0.3	0.79
6	S1	2		0.37	0.3	0.60	37	S2	4/5		0.38	0.2	0.50
7	S1	2	1	0.40	0.2	0.71	38	S2	2	1	0.53	0.4	0.69
9	S1	3		0.48	0.5	0.47	39	S2	4/5	2	0.14	0.5	0.53
10	S1	4/5	2	0.42	0.3	0.33	41	S3	4/5		0.27	0.6	0.69
11	S1	2	1	0.51	0.6	0.63	42	S3	1/6		0.37	0.5	0.38
13	S1	3		0.36	0.3	0.57	43	S3	2		0.41	0.2	0.65
15	S1	3		0.37	0.4	0.80	44	S3	2		0.20	0.3	0.51
16	S1	4/5	2	0.19	0.6	0.33	46	S3	4/5		0.41	0.3	0.67
17	S1	2	1	0.46	0.7	0.56	47	S3	3	2	0.36	0.3	0.64
18	S1	1/6		0.07	0.7	0.26	49	S3	3		0.31	0.2	0.34
19	S1	3		0.19	1.0	0.23	51	S3	1/6	2	0.42	0.4	0.31
21	S2	3		0.15	0.4	0.23	52	S3	2		0.32	0.4	0.30
23	S2	3		0.19	0.1	0.11	54	S3	2		0.40	0.6	0.46
24	S2	1/6		0.37	0.1	0.82	55	S3	3		0.48	0.3	0.79
25	S2	1/6	2	0.36	0.3	0.70	56	S3	1/6		0.49	0.5	0.60
26	S2	3		0.30	0.7	0.29	57	S3	1/6		0.21	0.8	0.51
27	S2	2	1	0.47	1.5	0.72	58	S3	2		0.44	0.6	0.62
29	S2	3		0.38	0.2	0.63	59	S3	4/5		0.17	0.8	0.49
30	S2	4/5		0.30	0.2	0.35							

Mean R_ITT: 0.35
 Mean p-value: 0.53

Table 65. Constructed-Response Item Analyses, Grade 9 Mathematics

Item #	Session	CS	SA	R_ITT	Percent of Students Obtaining Score Level					Omit %	p-Value
					0	1	2	3	4		
4	S1	1/6	2	0.62	67.4	16.2	13.2			3.2	0.21
8	S1	2	1	0.64	20.6	27.3	23.7	23.8		4.6	0.49
12	S1	3		0.47	84.4	7.4	6.2			2.1	0.10
14	S1	4/5		0.54	66.1	21.9	6.3	2.1		3.6	0.14
20	S1	2	1	0.65	21.0	28.9	26.6	13.6	5.1	4.8	0.36
22	S2	2	1	0.64	34.1	46.2	18.0			1.7	0.41
28	S2	4/5		0.60	48.3	31.2	14.5	2.8		3.2	0.23
32	S2	3		0.58	44.6	36.9	16.6			1.9	0.35
33	S2	2	1	0.64	22.9	30.5	29.9	14.2		2.5	0.44
40	S2	4/5		0.51	55.4	33.6	2.4	2.3	4.1	2.3	0.15
45	S3	2	1	0.65	55.6	26.0	13.1			5.2	0.26
48	S3	1/6	2	0.66	52.9	28.7	5.1	9.5		3.9	0.22
50	S3	1/6	2	0.53	73.3	7.5	11.6			7.5	0.15
53	S3	3		0.71	28.6	42.2	13.9	10.2		5.1	0.34
60	S3	3	1	0.50	40.5	25.3	25.5	2.8	2.2	3.7	0.23

Mean R_ITT: 0.60
 Mean p-value: 0.27

Table 66. Multiple-Choice Item Analyses, Grade 10 Reading

Item #	Session	CS	SA	R_ITT	Omit %	p-Value	Item #	Session	CS	SA	R_ITT	Omit %	p-Value
4	S3	1	2	0.25	0.1	0.78	39	S4	1	3	0.27	0.1	0.58
5	S3	5		0.21	0.1	0.89	40	S4	6	1	0.37	0.2	0.39
6	S3	5		0.34	0.1	0.92	41	S4	6	4	0.40	0.5	0.75
7	S3	1	2	0.37	0.2	0.67	43	S4	6	4	0.18	0.4	0.31
10	S3	4	2	0.44	0.1	0.80	44	S4	6	4	0.15	0.4	0.35
11	S3	1	2	0.01	0.1	0.20	45	S4	6	4	0.15	0.1	0.64
12	S3	4	2	0.37	0.3	0.84	46	S4	6	4	0.45	0.2	0.82
13	S3	4	2	0.15	0.2	0.30	47	S4	6	4	0.27	0.2	0.60
14	S3	4	2	0.26	0.2	0.55	48	S4	1	3	0.36	0.5	0.83
15	S3	5		0.21	0.2	0.58	49	S4	6	4	0.40	0.6	0.70
16	S3	5		0.27	0.3	0.75	50	S4	6	4	0.27	1.0	0.54
17	S3	5		0.27	0.5	0.46	53	S4	4	2	0.40	0.4	0.92
18	S3	5		0.12	0.5	0.29	54	S4	1	2	0.25	0.5	0.43
19	S3	5		0.30	0.5	0.55	55	S4	5		0.38	0.4	0.70
21	S3	1	2	0.26	0.3	0.58	56	S4	4	2	0.39	0.4	0.93
22	S3	1	2	0.44	0.3	0.74	57	S4	1	2	0.46	0.4	0.92
23	S3	1	2	0.27	0.3	0.67	101	S6	6	1	0.51	0.1	0.74
24	S3	1	3	0.47	0.3	0.91	102	S6	6	1	0.34	0.2	0.65
25	S3	5		0.42	0.7	0.64	103	S6	4	1	0.37	0.2	0.73
26	S3	5		0.37	1.6	0.63	104	S6	1	3	0.44	0.2	0.73
27	S3	4	2	0.24	1.8	0.65	105	S6	1	3	0.11	0.3	0.38
29	S3	4	4	0.27	1.4	0.49	106	S6	1	3	0.50	0.3	0.61
30	S3	6	4	0.34	1.6	0.49	108	S6	1	3	0.55	0.2	0.88
32	S3	1	3	0.03	1.2	0.18	109	S6	1	3	0.09	0.2	0.35
33	S3	5		0.38	1.4	0.81	110	S6	4	1	0.44	0.2	0.79
34	S3	1	3	0.36	1.2	0.54	112	S6	6	1	0.16	0.4	0.37
35	S4	1	1	0.37	0.4	0.75	113	S6	4	1	0.51	0.3	0.91
38	S4	4	1	0.49	0.1	0.65	115	S6	5		0.19	0.3	0.78

Mean R_ITT: 0.32
Mean p-value: 0.64

Table 67. Constructed-Response Item Analyses, Grade 10 Reading

Item #	Session	CS	SA	R_ITT	Percent of Students Obtaining Score Level					Omit %	p-Value
					0	1	2	3	4		
8	S3	1	2	0.50	12.7	52.1	32.9			2.3	0.59
9	S3	4	2	0.61	13.6	4.6	19.1	58.8		3.9	0.73
20	S3	5		0.57	29.1	21.0	10.9	34.1		4.9	0.48
28	S3	1	2	0.60	7.7	10.2	24.8	52.8		4.6	0.73
31	S3	6	4	0.36	49.3	19.6	17.0	7.6		6.4	0.25
36	S4	1	1	0.62	18.9	14.4	19.8	41.4		5.5	0.59
37	S4	6	1	0.48	22.5	44.5	29.8			3.2	0.52
42	S4	6	4	0.50	26.8	13.8	25.7	13.0	10.5	10.1	0.37
51	S4	4	2	0.54	5.8	5.2	22.8	62.5		3.6	0.79
52	S4	4	2	0.56	5.1	22.9	21.4	45.3		5.3	0.67
100	S6	1	1	0.49	15.5	37.2	42.3			5.0	0.61
107	S6	5		0.58	9.6	1.1	4.1	14.0	67.1	4.1	0.80
111	S6	1	1	0.66	8.8	8.0	18.2	59.8		5.1	0.75
114	S6	5		0.58	18.5	16.4	62.1			3.0	0.70

Mean R_ITT: 0.55
Mean p-value: 0.61

Table 68. Multiple-Choice Item Analyses, Grade 10 Writing

Item #	Session	CS	SA	R_ITT	Omit %	p-Value	Item #	Session	CS	SA	R_ITT	Omit %	p-Value
58	S5	3	8	-0.08	0.1	0.05	79	S5	3	8	0.27	0.3	0.73
59	S5	3	8	0.44	0.1	0.69	80	S5	3	8	0.13	0.5	0.57
60	S5	3	8	0.28	0.2	0.53	81	S5	3	7	0.17	0.3	0.46
61	S5	3	7	0.28	0.1	0.55	82	S5	3	7	0.38	0.3	0.45
62	S5	2		0.33	0.5	0.85	83	S5	3	7	0.41	0.5	0.57
63	S5	3	7	0.44	0.1	0.91	84	S5	3	7	0.18	1.9	0.33
64	S5	3	7	0.48	0.2	0.89	85	S5	3	7	0.22	2.8	0.26
65	S5	3	7	0.42	0.1	0.87	86	S5	3	7	0.38	0.2	0.67
66	S5	3	7	0.48	0.2	0.91	87	S5	3	7	0.37	0.5	0.78
67	S5	2	5	0.47	0.1	0.85	88	S5	3	7	0.48	0.4	0.78
68	S5	2	5	0.36	0.1	0.75	89	S5	2	5	0.56	0.2	0.80
69	S5	2	5	0.46	0.2	0.76	90	S5	2	5	0.49	0.2	0.88
70	S5	3	7	0.24	0.2	0.65	91	S5	2	5	0.49	0.2	0.74
71	S5	3	7	0.28	0.2	0.46	92	S5	2	5	0.52	0.2	0.87
72	S5	3	7	0.33	1.1	0.47	93	S5	2	8	0.47	0.2	0.72
73	S5	3	7	0.49	1.5	0.89	94	S5	2	8	0.36	0.2	0.47
74	S5	3	7	0.35	0.1	0.78	95	S5	2	8	0.39	0.2	0.63
75	S5	2		0.38	0.1	0.72	96	S5	2	8	0.41	0.4	0.54
77	S5	3	7	0.14	0.2	0.41	97	S5	2	5	0.41	0.2	0.79
78	S5	3	7	0.28	0.3	0.62	98	S5	2	5	0.44	0.3	0.66

Mean R_ITT: 0.37
 Mean p-value: 0.67

Table 69. Constructed-Response Item Analyses, Grade 10 Writing

Item #	Part	Session	CS	SA	R_ITT	Percent of Students Obtaining Score Level					Omit %	p-Value	
						0	1	2	3	4			
1		S1	2	6	0.13	1.1	98.9					0.0	0.99
2	A	S2	3	7	0.38	44.5	54.1					1.4	0.54
2	B	S2	3	8	0.48	34.6	64.0					1.4	0.64
2	C	S2	3	8	0.31	57.2	41.4					1.4	0.41
2	D	S2	3	8	0.40	52.2	46.4					1.4	0.46
2	E	S2	3	8	0.29	40.2	58.3					1.4	0.58
2	F	S2	3	7	0.50	18.0	80.6					1.4	0.81
3	A	S2	2	6	0.57	0.6	3.1	52.6	37.5	5.8		0.3	0.61
3	B	S2	2	6	0.62	0.1	4.0	51.7	37.3	6.7		0.3	0.61
3	C	S2	3	6	0.52	0.5	21.7	77.5				0.3	0.88
76		S5	2	5	0.57	0.2	4.0	37.5	48.7	7.5		2.1	0.64
99		S5	2	5	0.60	0.3	7.2	39.6	40.7	7.0		5.1	0.59
116		S6	2	5	0.63	0.5	5.7	36.8	45.9	7.4		3.6	0.62

Mean R_ITT: 0.46
 Mean p-value: 0.65

Table 70. Multiple-Choice Item Analyses, Grade 10 Mathematics

Item #	Session	CS	SA	R_ITT	Omit %	p-Value	Item #	Session	CS	SA	R_ITT	Omit %	p-Value
1	S1	1/6		0.50	4.2	0.77	30	S2	3		0.22	4.4	0.32
2	S1	1/6		0.57	4.3	0.55	33	S2	4/5		0.24	4.5	0.57
3	S1	2		0.32	4.4	0.33	34	S2	1/6		0.44	4.5	0.42
4	S1	1/6		0.24	4.5	0.50	35	S2	2	1	0.54	4.5	0.56
5	S1	3	2	0.20	4.4	0.34	37	S2	2		0.54	4.6	0.83
7	S1	1/6		0.49	4.5	0.59	38	S2	1/6		0.47	4.6	0.66
8	S1	3		0.40	4.2	0.48	39	S2	2		0.42	5.3	0.51
9	S1	3		0.43	4.2	0.44	41	S3	1/6		0.49	4.5	0.54
11	S1	4/5		0.38	4.3	0.89	42	S3	1/6		0.23	4.8	0.43
12	S1	1/6		0.45	4.6	0.60	43	S3	4/5		0.22	5.0	0.47
13	S1	2	1	0.53	4.4	0.76	44	S3	2		0.36	4.5	0.46
16	S1	3	2	0.44	4.4	0.23	46	S3	3		0.40	4.6	0.88
17	S1	4/5		0.50	4.5	0.29	47	S3	4/5		0.45	4.6	0.44
18	S1	2	1	0.52	4.5	0.73	49	S3	2		0.47	4.7	0.51
19	S1	2	1	0.34	4.6	0.65	50	S3	4/5		0.38	4.6	0.76
21	S2	4/5		0.36	4.8	0.25	51	S3	1/6		0.50	4.6	0.33
22	S2	3	2	0.56	4.4	0.81	52	S3	3		0.35	4.6	0.39
23	S2	2	1	0.30	4.5	0.21	53	S3	2		0.33	4.6	0.51
24	S2	4/5		0.35	4.4	0.50	55	S3	2		0.51	4.6	0.66
26	S2	3		0.46	4.5	0.84	56	S3	4/5		0.28	4.7	0.50
27	S2	3	2	0.27	4.6	0.38	57	S3	3	2	0.30	4.6	0.20
28	S2	1/6		0.42	5.1	0.57	58	S3	4/5		0.46	4.7	0.31
29	S2	1/6		0.40	4.5	0.63							

Mean R_ITT: 0.40
Mean p-value: 0.52

Table 71. Constructed-Response Item Analyses, Grade 10 Mathematics

Item #	Session	CS	SA	R_ITT	Percent of Students Obtaining Score Level					Omit %	p-Value
					0	1	2	3	4		
6	S1	2		0.60	25.4	17.1	51.6			5.9	0.60
10	S1	2	1	0.62	61.1	19.2	7.3	5.2		7.1	0.17
14	S1	3		0.57	28.5	49.5	16.8			5.2	0.42
15	S1	4/5		0.59	50.2	31.2	9.5	2.8		6.3	0.20
20	S1	4/5		0.55	68.1	16.3	5.4	1.2	0.3	8.7	0.08
25	S2	4/5		0.60	50.6	21.9	22.2			5.3	0.33
31	S2	3	2	0.54	25.5	41.0	9.9	17.5		6.2	0.38
32	S2	1/6		0.61	23.2	58.1	12.7			6.1	0.42
36	S2	2	1	0.67	20.2	21.6	24.4	25.0		8.7	0.48
40	S2	2		0.70	22.9	26.9	31.2	7.1	5.5	6.4	0.33
45	S3	3	2	0.46	59.6	15.1	19.6			5.6	0.27
48	S3	4/5		0.70	54.8	15.7	12.7	10.7		6.0	0.24
54	S3	2	1	0.57	4.8	61.2	28.4			5.6	0.59
59	S3	1/6		0.68	46.6	27.4	7.3	11.1		7.6	0.25
60	S3	3	1	0.69	13.5	47.1	22.7	9.2	1.2	6.3	0.31

Mean R_ITT: 0.61
Mean p-value: 0.34

**Table 72. Item Parameter and Fit Summary, Multiple-Choice Items,
Grade 3 Reading (N=52,507)**

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	1.25	-2.77	0.20	20.3	21	0.72	-0.21	0.19	3.0
2	0.53	-3.23	0.20	30.7	22	0.79	-1.72	0.20	3.5
3	1.25	-1.60	0.26	11.9	23	0.76	-0.71	0.35	3.1
4	0.82	-1.66	0.05	17.7	25	0.60	-1.68	0.20	41.9
5	0.59	-1.47	0.17	5.3	26	1.05	2.10	0.20	45.8
6	1.16	-1.15	0.27	1.8	27	1.01	-0.46	0.24	7.8
9	1.25	-0.52	0.24	15.6	28	0.68	-1.10	0.11	1.2
10	1.15	0.23	0.28	40.5	29	0.83	-0.56	0.13	9.5
11	1.22	-0.70	0.25	11.2	30	1.01	-1.29	0.17	1.4
12	0.53	-1.98	0.12	19.6	31	0.73	-1.44	0.17	111.1
14	0.95	-0.73	0.25	12.6	32	1.02	-0.62	0.24	7.0
15	1.19	-0.08	0.17	32.7	33	1.04	-0.48	0.13	15.5
16	1.19	-1.29	0.13	0.6	37	1.06	-1.87	0.05	5.5
17	1.02	-0.70	0.29	12.9	38	0.77	-1.64	0.20	10.5
19	0.94	-0.70	0.15	2.6	39	1.35	-0.86	0.19	8.8
20	0.86	-0.98	0.19	10.2	40	0.69	-2.02	0.09	15.6

**Table 73. Item Parameter and Fit Summary,
Constructed-Response Items, Grade 3
Reading (N=52,507)**

Item	f	g1	g2	g3	g4	Fit-Z
7	0.84	0.16	-1.73	-0.92		31.9
8	1.13	-0.46	-0.80			36.2
13	0.50	-0.25	-1.03	-0.37	-0.48	28.6
18	0.68	-0.26	-0.05			72.7
24	0.74	-1.29	-1.43	-1.12		15.9
34	1.08	-2.07	-1.09			30.2
35	0.78	-0.99	-0.50	-1.16		19.4
36	1.24	-1.68	-1.51			10.2

Table 74. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 3 Spanish Reading (N=1639)

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
3	1.29	2.10	0.20	10.3	21	1.35	-2.02	0.20	-1.4
4	0.42	-0.51	0.20	0.6	22	0.60	-0.64	0.20	-0.3
5	0.61	1.87	0.20	1.7	23	1.05	-1.56	0.20	0.5
6	0.82	2.04	0.12	-0.7	24	0.85	-1.80	0.20	-0.3
7	0.62	2.03	0.14	5.0	27	0.69	-1.91	0.20	0.1
9	0.64	0.77	0.21	-0.8	28	0.80	-0.93	0.16	1.1
10	0.47	-0.40	0.20	3.0	29	0.52	-1.34	0.20	2.7
11	0.69	-0.55	0.20	1.6	30	0.85	0.04	0.15	-0.3
12	0.58	0.50	0.20	1.2	31	0.68	-0.12	0.17	0.5
13	0.76	1.26	0.13	-0.1	33	0.54	-0.35	0.20	-0.4
14	0.12	6.35	0.20	0.5	34	0.63	2.60	0.24	0.9
15	0.69	-1.08	0.20	-1.2	35	0.47	2.80	0.23	-1.0
16	0.66	-1.68	0.20	-0.6	37	1.13	-0.94	0.15	0.3
18	0.90	-1.03	0.20	0.3	38	0.65	-0.44	0.18	1.5
19	1.02	-0.91	0.20	0.7	39	0.81	-0.25	0.20	3.3
20	0.79	-0.94	0.16	-0.1	40	0.75	0.21	0.25	-0.5

Table 75. Item Parameter and Fit Summary, Constructed-Response Items, Grade 3 Spanish Reading (N=1639)

Item	f	g1	g2	g3	g4	Fit-Z
1	0.40	0.95	-0.82	-0.58		2.2
2	0.65	0.48	-0.50	-1.69		2.1
8	0.96	-1.14	-0.48			-0.3
17	0.85	-0.73	-2.02			2.0
25	0.92	-2.09	-0.99			0.3
26	0.58	0.17	0.27			3.1
32	0.62	-0.47	0.17	1.98		2.0
36	0.90	-0.63	0.33			3.4

Table 76. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 3 Writing (N=6455)

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	1.19	-1.48	0.24	-0.7	21	0.77	-0.05	0.15	0.9
2	0.62	-1.45	0.20	3.7	22	0.98	-0.67	0.23	1.1
3	0.49	-0.36	0.16	3.0	23	0.91	-1.53	0.20	0.2
4	0.91	-1.52	0.20	2.8	24	1.13	-1.91	0.20	1.1
6	0.60	-1.65	0.20	1.3	25	0.94	-0.91	0.30	-0.4
7	0.80	-0.25	0.49	3.3	26	0.78	-0.31	0.21	3.5
8	1.34	-1.27	0.14	1.6	27	1.12	-1.51	0.27	-0.3
9	1.07	0.03	0.49	3.5	28	0.68	-0.61	0.14	0.6
10	0.92	-1.04	0.15	-0.1	29	1.09	-1.71	0.14	-0.5
11	0.97	-1.45	0.26	2.3	31	0.72	-1.46	0.20	0.8
13	0.86	-0.46	0.15	2.9	32	0.51	-2.77	0.20	5.9
14	1.68	-1.91	0.35	-0.9	33	0.70	-2.01	0.20	0.3
15	0.84	-1.85	0.20	0.4	34	0.77	-1.23	0.16	-1.2
16	0.53	-0.76	0.17	1.3	35	0.82	-2.70	0.20	0.9
17	1.01	-1.42	0.24	-0.7	36	0.54	-1.81	0.20	4.3
18	0.93	-0.16	0.17	2.0	37	1.01	-0.81	0.14	0.1
19	1.13	-1.48	0.25	1.6	38	0.63	-1.35	0.20	2.5
20	0.87	-0.52	0.08	1.9					

Table 77. Item Parameter and Fit Summary, Constructed-Response Items, Grade 3 Writing (N=6455)

Item	Part	f	g1	g2	g3	g4	Fit-Z
5	A	1.75	-4.05				4.9
5	B	1.43	-1.36				3.8
5	C	2.53	-4.15				3.6
5	D	0.90	2.88				3.6
5	E	1.33	-2.21				0.2
5	F	1.18	-1.00				-0.2
12	A	1.07	-5.29	1.68			4.0
12	B	1.39	-4.08				-0.5
12	C	1.43	-2.34				-0.8
12	D	1.71	-3.77				-0.5
30	A	1.24	-3.71	1.67			20.1
30	B	1.91	-4.15				0.5
30	C	1.97	-2.56				-0.5
30	D	2.14	-3.77				-0.5
39	A	1.21	-2.89	2.54			11.7
39	B	1.35	-2.78				3.8
39	C	1.86	-1.93				3.0
39	D	1.74	-2.78				6.4

Table 78. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 3 Spanish Writing (N=1328)

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	1.10	-2.84	0.20	-1.0	21	0.55	-1.11	0.20	-0.4
2	0.71	-2.15	0.20	-0.5	22	0.74	-0.10	0.20	-1.1
3	1.00	-2.08	0.20	-1.0	23	0.68	-1.07	0.20	-0.5
5	0.13	-1.24	0.20	2.8	24	0.52	-0.66	0.20	-1.1
6	0.46	-0.26	0.20	1.2	25	0.75	-1.32	0.20	1.7
7	0.47	-1.97	0.20	-0.5	26	0.70	0.96	0.19	0.0
8	0.43	-1.14	0.20	1.7	28	0.63	-0.96	0.19	1.4
9	0.62	0.33	0.20	-0.4	29	0.92	-1.97	0.20	-0.8
10	0.67	0.22	0.18	-0.3	30	0.75	-1.99	0.20	1.2
11	0.77	-2.67	0.20	-1.2	31	0.77	-1.43	0.19	0.5
12	0.75	-2.06	0.20	-0.1	32	0.57	-0.97	0.00	-0.1
13	0.90	-2.27	0.20	0.5	33	0.55	-0.70	0.20	-0.2
14	0.57	-1.74	0.20	-0.7	34	0.99	-2.37	0.20	3.9
15	0.58	-1.93	0.20	-0.9	35	1.09	-2.19	0.20	-0.6
17	0.70	-1.53	0.20	-0.8	37	0.81	-1.10	0.20	-1.2
18	1.13	1.45	0.20	1.7	38	0.55	0.16	0.20	2.0
19	0.91	1.41	0.26	0.2	39	0.39	-2.12	0.20	-0.5
20	0.92	-0.03	0.33	-0.8					

Table 79. Item Parameter and Fit Summary, Constructed-Response Items, Grade 3 Spanish Writing (N=1328)

Item	Part	f	g1	g2	g3	g4	Fit-Z
4	A	1.12	-1.90				1.6
4	B	0.97	0.98				-0.2
4	C	1.04	-1.14				-0.1
4	D	1.09	-0.94				-1.1
4	E	0.94	-0.49				-0.1
4	F	0.77	-1.54				1.5
16	A	1.14	-3.37	-0.14			0.8
16	B	1.39	-1.78				-1.0
16	C	1.65	-2.29				0.3
16	D	1.83	-4.65				-1.0
27	A	1.30	-2.53	0.44			-0.1
27	B	1.64	-1.29				-0.1
27	C	2.03	-2.08				0.8
27	D	1.85	-3.43				-0.7
36	A	1.25	-3.31	0.41			1.7
36	B	1.58	-1.54				1.3
36	C	1.80	-1.67				1.5
36	D	1.86	-4.04				-0.3

Table 80. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 4 Reading (N=7924)

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
6	1.08	-1.21	0.25	0.1	38	1.20	-0.57	0.25	0.9
7	1.00	-0.53	0.23	-0.1	39	0.91	-1.95	0.20	5.4
8	1.16	-1.41	0.24	-0.9	40	0.40	-0.30	0.20	6.3
9	0.47	-2.02	0.20	2.3	43	0.59	-1.60	0.20	0.8
11	0.88	0.18	0.14	-0.5	44	1.19	0.27	0.21	2.7
12	0.35	0.12	0.20	6.8	45	0.70	0.52	0.15	0.4
13	0.88	-1.76	0.20	5.6	47	0.55	0.34	0.17	0.4
14	0.96	-0.17	0.25	0.5	48	0.89	-1.06	0.17	1.4
15	1.39	-1.97	0.17	5.7	49	0.70	0.26	0.22	2.5
16	1.05	-1.03	0.15	0.7	50	1.08	-1.67	0.17	2.4
17	0.58	-1.04	0.20	5.1	95	0.75	-0.55	0.15	-0.9
18	1.27	-0.76	0.22	-0.1	97	0.85	-1.36	0.20	3.2
19	0.80	0.21	0.22	-0.8	98	1.51	-1.86	0.18	1.9
22	0.68	-0.33	0.20	6.7	99	1.54	-0.48	0.24	3.1
23	0.45	0.67	0.14	-0.1	100	0.35	-1.38	0.20	27.3
24	1.08	-1.05	0.13	3.2	102	0.80	-1.80	0.20	6.3
25	0.79	-1.50	0.14	-0.1	103	0.79	-2.05	0.20	4.4
26	1.07	-0.11	0.18	1.4	104	0.83	-0.66	0.32	1.2
27	1.06	-0.58	0.20	-0.5	106	0.72	-0.21	0.09	-0.8
28	0.61	-0.06	0.19	1.3	107	1.02	-0.47	0.21	0.2
29	0.73	0.79	0.13	4.5	109	0.86	0.38	0.16	1.0
31	0.82	-1.33	0.14	4.2	110	0.84	-0.19	0.18	1.4
32	0.92	-1.36	0.20	-1.1	111	0.70	0.28	0.15	-0.1
33	0.62	-0.75	0.14	2.3	112	0.63	-0.70	0.13	4.8
34	1.03	-2.10	0.20	0.0	113	1.37	-0.52	0.31	1.8
35	0.66	-1.59	0.20	-0.2	114	0.94	-0.16	0.14	1.4
36	0.39	-1.25	0.20	11.2	115	1.34	-0.10	0.18	3.1
37	0.68	-0.85	0.13	1.8					

Table 81. Item Parameter and Fit Summary, Constructed-Response Items, Grade 4 Reading (N=7924)

Item	f	g1	g2	g3	g4	Fit-Z
4	0.83	-0.11	-2.12	-1.60		2.3
5	0.99	-1.08	-1.31			4.9
10	0.40	4.32	-4.20	0.43		16.0
20	0.63	1.27	1.19			2.6
21	0.92	0.19	-1.05			2.5
30	0.69	-0.68	-0.53			8.2
42	0.53	-0.40	-0.30	0.52	0.88	3.1
46	0.49	-0.25	0.47	0.23		4.3
51	0.42	-0.01	0.24	0.94		10.0
96	0.66	0.16	-1.11			5.7
101	0.74	-1.09	-1.31	-1.34		2.0
105	0.74	-0.01	0.87			9.8
108	0.88	-0.55	-1.33	-1.76		9.4
116	0.84	-1.49	0.81	0.07		11.6

Table 82. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 4 Spanish Reading (N=523)

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
4	0.83	0.55	0.18	-0.1	39	0.85	-1.09	0.20	-0.4
5	0.82	0.42	0.26	0.8	40	0.75	0.07	0.20	0.1
6	0.39	-0.74	0.20	0.1	42	0.79	1.02	0.17	-0.5
7	1.64	1.44	0.27	-0.2	45	0.86	-1.13	0.20	-0.5
8	0.50	2.47	0.22	0.0	46	1.39	2.34	0.34	-0.9
9	0.86	-0.09	0.31	-0.2	47	0.99	1.82	0.27	2.4
10	0.67	0.02	0.30	0.0	90	0.88	-1.58	0.20	-0.7
11	0.17	-1.09	0.20	-0.6	91	0.58	-0.77	0.20	2.7
12	0.24	3.74	0.20	0.9	92	1.12	0.58	0.22	1.4
15	0.26	-1.31	0.20	-1.1	93	0.55	-1.11	0.20	0.5
16	0.61	-0.87	0.20	-0.1	94	0.80	-1.43	0.20	0.6
17	0.33	-2.10	0.20	-0.2	95	0.57	-0.09	0.20	1.1
18	0.65	-0.91	0.20	0.4	98	0.50	0.62	0.20	0.8
19	0.87	-2.42	0.20	-0.1	101	0.67	0.49	0.18	-1.1
20	0.14	0.37	0.20	1.3	102	0.95	0.76	0.18	0.3
21	0.91	-0.01	0.18	-0.3	103	0.81	-1.02	0.20	0.3
22	0.92	0.25	0.16	-0.1	104	0.87	-0.03	0.35	0.7
23	0.57	0.30	0.20	2.9	105	0.38	0.41	0.20	0.6
25	0.36	0.36	0.20	0.0	106	1.09	1.37	0.18	-0.2
26	0.80	-1.12	0.20	-0.5	107	1.08	0.59	0.24	-0.2
27	0.46	-0.70	0.20	-1.2	109	0.50	-0.55	0.20	0.1
29	0.46	1.17	0.20	-1.4	110	0.51	0.50	0.20	-0.3
31	0.79	1.68	0.19	1.8	111	0.96	-0.50	0.21	1.3
34	0.94	-0.95	0.20	-1.5	112	0.48	0.09	0.20	1.1
35	1.19	0.02	0.18	0.6	113	0.32	-1.53	0.20	1.7
36	0.87	-1.01	0.20	-0.3	114	0.70	-0.31	0.21	-1.1
37	0.77	0.92	0.20	0.1	115	0.82	0.19	0.24	-0.3
38	0.47	-0.26	0.20	-0.6					

Table 83. Item Parameter and Fit Summary, Constructed-Response Items, Grade 4 Spanish Reading (N=523)

Item	f	g1	g2	g3	g4	Fit-Z
13	2PPC	0.57	-0.60	-0.85	0.97	0.1
14	2PPC	0.44	0.17	2.84		0.7
28	2PPC	0.92	-1.39	-0.76	-1.82	-2.0
30	2PPC	0.72	1.18	0.29		-0.5
32	2PPC	0.51	-0.10	0.50	0.59	1.2
33	2PPC	0.82	-0.60	-0.16	-0.21	1.3
41	2PPC	0.71	0.29	0.84		-0.3
43	2PPC	0.53	-0.16	-0.41		1.7
44	2PPC	0.80	0.04	4.70		-1.2
96	2PPC	0.51	-0.50	0.36		-0.7
97	2PPC	0.59	-0.40	0.16	0.37	-1.1
100	2PPC	0.74	-0.30	0.90		-1.7
108	2PPC	0.74	-0.47	-1.38		0.5
116	2PPC	0.45	0.79	-1.94	1.37	1.4

Table 84. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 4 Writing (N=7554)

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
53	1.23	-1.42	0.27	0.8	74	1.15	-1.55	0.18	4.0
54	0.96	-2.38	0.20	3.3	75	0.93	-0.86	0.13	1.7
55	0.70	-1.79	0.20	0.4	76	1.01	-1.17	0.14	3.3
56	0.67	0.40	0.24	3.8	77	1.05	-0.21	0.21	-0.3
57	0.55	-1.84	0.20	3.1	78	1.17	0.04	0.33	3.0
58	0.80	-3.18	0.20	9.8	79	0.97	-1.21	0.26	1.0
59	0.80	-1.63	0.15	1.8	80	0.84	-0.24	0.30	0.3
60	0.83	-1.70	0.20	0.9	81	1.17	-0.79	0.28	-0.6
61	0.91	-1.77	0.20	0.9	82	1.01	-1.52	0.13	4.3
62	1.25	-2.18	0.20	1.4	83	0.82	-0.70	0.33	0.5
63	0.65	-1.15	0.20	1.4	84	0.75	-0.97	0.20	3.9
64	0.59	-3.23	0.20	1.6	85	0.85	-1.04	0.14	2.8
65	0.52	-0.42	0.20	0.5	86	0.89	0.40	0.23	-0.1
66	0.66	-0.90	0.20	2.1	87	1.00	-0.22	0.15	1.5
67	0.87	0.53	0.24	1.3	88	0.88	-1.58	0.16	-0.9
68	0.96	0.05	0.19	-0.9	89	1.08	-1.99	0.20	-0.3
69	0.69	-0.86	0.20	3.4	90	0.84	-0.76	0.14	3.7
70	0.51	-1.01	0.19	1.9	91	1.08	-1.97	0.15	-0.2
71	0.59	0.45	0.22	2.9	92	0.62	-2.34	0.20	0.3
73	0.85	-1.56	0.18	14.8	93	0.58	-2.00	0.20	-0.2

Table 85. Item Parameter and Fit Summary, Constructed-Response Items Grade 4 Writing (N=7554)

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		0.72	-5.67				-1.0
2	A	0.99	-1.71				-0.5
2	B	1.53	-2.77				0.2
2	C	0.90	-0.88				2.9
2	D	0.69	0.09				4.0
2	E	0.38	-1.75				0.1
2	F	1.37	-2.05				0.5
3	A	1.27	-2.95	-3.42	-0.86	1.38	39.6
3	B	1.55	-6.31	-4.05	-0.69	1.64	4.3
3	C	1.84	-7.23	-3.66			0.6
52		0.87	-1.60	-1.44	-0.07	3.29	32.7
72		1.22	-4.01	-2.50	-0.28	3.60	2.9
94		1.09	-2.84	-1.78	0.02	3.27	10.4

Table 86. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 4 Spanish Writing (N=526)

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
48	0.63	-1.77	0.20	0.0	70	0.91	0.74	0.20	-0.5
49	0.77	-1.13	0.20	-0.4	71	0.56	0.45	0.20	2.2
50	0.61	-1.44	0.20	0.5	72	0.64	0.31	0.20	-0.1
51	0.41	1.19	0.20	-0.1	73	0.63	1.09	0.22	-1.1
52	0.73	-2.73	0.20	-1.3	74	0.96	-0.16	0.30	3.7
53	0.55	-0.15	0.20	0.9	75	0.37	1.69	0.21	-0.5
54	0.65	-1.06	0.20	-0.2	76	0.63	0.98	0.20	-0.3
57	0.67	0.91	0.19	-0.7	77	0.66	1.31	0.23	-1.1
58	1.01	0.64	0.31	0.9	78	1.22	1.17	0.22	-0.8
59	0.65	0.81	0.20	-0.5	79	0.23	-0.69	0.20	1.8
60	0.49	0.23	0.20	-0.7	80	1.64	1.21	0.26	-1.0
61	1.10	0.64	0.30	-0.2	81	0.99	0.01	0.21	-1.2
62	0.59	2.15	0.19	-0.8	82	1.27	0.63	0.18	0.3
64	0.87	0.97	0.24	-0.2	83	1.10	0.81	0.19	1.5
65	1.09	-0.58	0.23	-1.5	84	0.32	2.81	0.20	-0.8
66	1.12	0.33	0.35	0.5	85	0.56	-1.38	0.20	1.0
67	1.21	0.10	0.26	-0.7	86	0.95	1.37	0.19	-0.1
68	1.28	-0.24	0.20	-0.3	87	0.77	-0.23	0.20	-0.6
69	1.01	0.07	0.19	0.4	88	0.72	0.65	0.19	-0.5

Table 87. Item Parameter and Fit Summary, Constructed-Response Items, Grade 4 Spanish Writing (N=526)

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		0.26	-5.20				-1.5
2	A	1.07	-2.49				-1.2
2	B	0.91	-0.59				-1.0
2	C	0.52	1.29				0.2
2	D	0.75	3.09				-1.0
2	E	1.05	-1.65				-0.9
2	F	0.39	0.87				0.3
3	A	0.76	-0.53	-2.64	-0.37	2.94	0.1
3	B	1.61	-4.32	-4.28	-0.03	5.30	-2.3
3	C	1.82	-5.71	3.45			-1.3
24		0.64	-1.09	-0.95	0.66	1.82	-1.4
63		0.29	3.27	-1.81	0.42	1.57	-0.7
89		0.51	3.65	-2.61	0.34	2.34	-0.9

Table 88. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 5 Reading (N=6839)

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
5	1.05	-1.17	0.34	2.6	41	0.68	0.09	0.18	-0.8
6	1.00	0.04	0.42	1.5	43	0.46	-0.37	0.15	-1.0
7	0.94	-1.28	0.09	0.6	44	0.82	-1.63	0.14	1.2
8	0.95	-1.34	0.15	3.4	45	0.91	-0.15	0.32	0.1
9	1.30	2.93	0.41	7.1	46	0.97	-2.21	0.20	1.1
10	0.73	-0.20	0.11	0.4	49	1.53	0.05	0.19	1.4
11	0.54	-1.15	0.16	-0.4	50	1.08	0.33	0.25	0.0
12	0.87	-1.69	0.20	3.4	51	1.13	-0.42	0.14	1.1
13	0.81	0.30	0.29	0.9	52	0.95	0.41	0.21	0.4
17	0.17	-0.92	0.20	10.6	53	0.74	0.82	0.30	2.4
18	0.24	1.26	0.20	4.8	96	1.15	0.19	0.47	-0.1
19	0.28	0.40	0.20	1.2	97	1.16	-0.76	0.27	-1.1
20	0.76	-1.35	0.20	4.1	98	0.98	-0.39	0.34	1.9
21	0.75	-1.67	0.14	0.5	99	0.70	-0.07	0.22	-0.4
22	1.04	-0.82	0.27	0.0	100	0.67	0.53	0.13	-0.3
23	0.63	-0.94	0.22	1.7	101	0.54	-0.62	0.14	3.7
24	1.08	-0.62	0.30	1.0	102	1.01	0.63	0.40	1.0
27	0.85	-1.73	0.20	2.9	103	0.84	-0.74	0.15	2.9
28	0.52	-1.29	0.20	1.6	104	0.87	-0.38	0.34	1.4
29	1.20	-0.18	0.35	0.5	105	1.03	0.17	0.23	2.9
31	0.57	-1.57	0.20	8.6	106	0.79	-1.63	0.20	0.8
32	1.58	-1.69	0.28	-0.5	107	0.60	0.32	0.16	0.4
33	0.29	0.06	0.20	2.7	110	1.04	-1.11	0.25	1.2
35	0.69	-2.25	0.20	0.9	111	1.12	-0.19	0.26	-0.6
36	0.64	-0.13	0.39	-0.7	112	0.89	-0.23	0.12	0.8
37	1.37	2.18	0.15	15.1	113	1.11	-1.03	0.31	1.3
39	0.52	-2.36	0.20	1.7	114	0.87	-1.09	0.19	-0.7
40	1.15	-0.16	0.17	0.3	115	1.15	-0.83	0.25	1.1

Table 89. Item Parameter and Fit Summary, Constructed-Response Items, Grade 5 Reading (N=6839)

Item	f	g1	g2	g3	g4	Fit-Z
4	0.79	-2.02	-1.76			7.4
14	1.18	-1.82	-0.66			10.2
15	0.60	-0.89	-0.84	-0.06		7.7
16	1.00	-0.79	0.37			1.9
25	0.82	-0.91	1.91			16.8
26	0.84	-1.20	-0.88	0.31		3.1
30	0.57	-1.01	-0.60			2.8
34	0.84	-0.14	1.50			6.3
38	0.51	-0.81	-0.50	0.29	0.71	3.5
42	0.47	-1.29	0.43	0.09		13.3
47	0.39	-0.21	-0.07	0.79		3.2
48	0.53	1.62	-1.03	0.96	-0.45	14.1
108	1.05	-1.09	-0.92			3.3
109	1.35	-2.47	-0.14			14.9

Table 90. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 5 Writing (N=7670)

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
54	1.06	-2.83	0.20	0.2	75	1.26	-1.13	0.37	1.3
55	0.72	-2.52	0.20	0.3	76	1.30	-1.52	0.23	0.2
56	0.87	-1.38	0.20	0.5	77	1.15	-0.81	0.13	2.5
57	0.67	0.07	0.22	0.8	78	0.47	-0.38	0.20	1.5
58	0.93	-3.35	0.20	6.7	79	1.13	-1.63	0.14	0.4
59	0.90	-2.02	0.20	1.7	80	1.03	-1.18	0.16	0.6
60	0.68	0.77	0.11	1.7	81	0.44	-0.15	0.20	5.9
61	0.92	-1.40	0.20	1.8	82	0.86	-1.42	0.12	1.5
62	0.84	-1.51	0.20	0.7	83	0.83	-1.92	0.18	14.3
63	0.91	-0.76	0.25	1.8	84	0.87	-1.54	0.20	0.3
64	0.63	1.96	0.15	7.9	85	0.79	-1.26	0.11	4.0
65	0.49	-0.86	0.20	0.2	86	1.51	-0.85	0.29	1.7
66	0.46	-1.06	0.20	1.7	87	0.88	-0.88	0.19	-0.7
67	0.63	-1.82	0.20	5.8	88	0.78	-0.66	0.12	2.3
68	0.54	-0.76	0.20	2.0	89	0.64	-1.04	0.18	13.7
70	0.89	0.83	0.20	1.1	90	0.63	-0.43	0.19	3.1
71	0.54	-0.49	0.18	3.9	91	1.33	-1.07	0.27	1.7
72	0.50	-2.27	0.20	9.8	92	1.49	-1.06	0.19	0.5
73	0.98	-1.31	0.13	0.7	93	1.33	-0.70	0.15	3.4
74	1.01	-1.56	0.20	1.5	94	0.98	-0.80	0.16	0.7

Table 91. Item Parameter and Fit Summary, Constructed-Response Items, Grade 5 Writing (N=7670)

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		0.74	-5.88				0.4
2	A	1.23	-4.03				-0.2
2	B	0.69	0.52				1.5
2	C	0.94	-0.41				6.0
2	D	0.75	0.77				2.3
2	E	0.70	-1.59				-1.0
2	F	1.18	-0.51				-0.6
3	A	1.15	-3.27	-2.90	-0.64	1.41	36.5
3	B	1.46	-5.82	-3.06	-0.31	1.84	2.1
3	C	1.62	-5.88	-1.29			2.4
69		0.78	-1.76	-2.36	0.02	2.30	34.9
95		1.13	-3.36	-2.99	-0.24	2.41	13.4
116		1.02	-3.30	-2.84	0.06	2.35	2.1

Table 92. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 5 Mathematics (N=7399)

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.49	-1.27	0.20	0.5	36	1.24	0.82	0.16	4.3
2	0.53	-2.91	0.20	0.8	37	0.49	-0.79	0.14	0.5
3	0.80	-0.94	0.26	0.5	38	1.26	0.11	0.10	0.9
4	1.13	-1.16	0.26	2.9	39	0.87	-0.36	0.10	0.8
5	0.66	-0.74	0.17	-0.2	41	1.03	-1.95	0.20	0.0
7	0.66	-1.41	0.20	0.1	42	0.56	-0.66	0.15	-0.2
8	0.61	-1.04	0.20	2.0	43	0.77	-1.06	0.12	1.3
9	1.04	-1.05	0.28	3.4	44	0.55	-1.22	0.20	2.1
10	0.91	-1.19	0.26	-1.4	45	0.59	-1.32	0.17	4.3
11	1.10	-0.82	0.17	-0.7	47	0.64	-1.85	0.20	1.6
12	0.55	-2.30	0.20	1.9	48	0.50	-0.80	0.20	0.9
14	1.08	0.02	0.12	-0.3	50	0.75	-0.64	0.18	1.0
16	0.72	-0.75	0.29	0.8	51	0.77	-1.45	0.20	1.7
17	0.93	-0.69	0.14	0.4	52	0.97	-0.31	0.31	0.2
18	0.87	-0.72	0.10	0.2	54	0.69	-2.24	0.20	0.8
20	0.59	0.52	0.20	0.5	55	0.64	0.29	0.23	0.7
21	0.62	-1.62	0.17	0.9	56	0.81	1.03	0.09	0.8
22	0.41	-3.65	0.20	5.3	58	0.56	-2.31	0.20	-0.8
24	0.99	-1.82	0.20	2.2	59	1.15	-1.01	0.23	1.0
25	0.88	-1.49	0.20	3.2	60	0.92	-0.54	0.11	1.8
26	0.62	-0.05	0.19	-1.0	61	1.28	-0.36	0.15	0.9
28	0.59	-1.24	0.20	0.1	62	0.58	-0.41	0.17	0.7
29	0.82	-0.87	0.20	0.9	63	1.04	-1.54	0.26	3.2
30	0.69	-1.39	0.20	2.1	64	0.48	-2.91	0.20	0.9
32	1.23	0.43	0.06	0.2	65	0.67	-1.63	0.17	3.8
34	0.68	-0.11	0.24	0.4	67	0.58	-1.56	0.20	-0.9
35	1.09	-1.07	0.24	-0.1	68	1.04	-1.82	0.20	-0.9

Table 93. Item Parameter and Fit Summary, Constructed-Response Items, Grade 5 Mathematics (N=7399)

Item	f	g1	g2	g3	g4	Fit-Z
6	1.11	-2.08	-0.05			12.1
13	0.75	-3.40	-0.31	0.04		1.6
15	0.68	1.65	-1.69			1.9
19	0.77	-1.72	-0.90	-0.63		2.8
23	0.73	1.37	-1.16	0.82	-1.83	2.0
27	0.97	-0.10	-1.69			16.2
31	1.20	-0.93	-1.58	0.88		14.1
33	1.05	-2.54	-1.78			-0.6
40	1.15	-1.64	-0.65	0.71		2.6
46	0.91	-2.28	-1.04	-0.86	-0.17	1.0
49	1.39	-1.91	1.20			7.0
53	0.77	-1.56	-0.14	-0.51		5.0
57	0.77	-1.28	-0.74			7.4
66	0.75	-1.23	-0.41	0.41		6.1
69	0.80	-2.38	-0.68	-0.08	-0.21	10.7

Table 94. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 6 Reading (N=7500)

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
5	0.60	-1.38	0.20	4.3	41	0.33	-0.41	0.01	2.8
6	0.99	-1.04	0.26	2.1	42	0.99	-0.86	0.15	0.8
7	1.16	-1.45	0.25	0.7	43	1.03	-0.07	0.20	2.7
8	1.01	-0.73	0.28	0.5	44	0.68	0.22	0.28	0.5
12	0.56	-1.32	0.20	2.6	45	1.03	0.24	0.22	1.1
13	0.70	0.08	0.18	4.0	46	0.49	1.02	0.34	5.3
14	0.80	0.01	0.22	-0.2	47	0.86	-0.86	0.27	-0.4
15	1.32	0.84	0.23	3.1	48	1.07	0.09	0.22	0.5
16	0.56	1.57	0.23	0.5	49	1.10	-0.16	0.16	0.8
17	1.05	-0.20	0.20	3.0	51	1.25	-1.00	0.32	0.5
18	0.87	0.06	0.15	4.0	52	0.62	-0.53	0.14	1.8
19	0.63	1.41	0.11	0.2	54	1.15	-0.62	0.35	-0.8
20	1.35	-0.20	0.12	0.5	55	0.65	-0.14	0.16	0.4
21	0.77	0.53	0.19	0.9	56	0.99	-0.42	0.26	0.5
22	0.44	-1.83	0.20	1.9	101	0.57	-0.58	0.22	4.3
25	1.34	-0.45	0.25	1.4	102	1.01	-0.19	0.24	0.0
26	0.94	-1.75	0.20	1.0	103	0.69	-1.37	0.20	2.6
27	0.62	0.62	0.27	2.1	104	0.95	0.62	0.25	1.3
28	0.95	-1.16	0.19	-1.1	105	0.63	-1.31	0.20	6.1
29	0.86	0.06	0.27	2.6	106	1.76	-0.93	0.22	3.6
30	1.02	1.22	0.23	4.6	107	0.82	0.35	0.25	3.1
31	1.10	0.05	0.26	1.5	108	0.93	-1.26	0.20	-0.4
33	0.56	-1.77	0.20	13.5	109	1.24	-0.60	0.14	-0.2
34	1.44	-1.94	0.23	3.7	111	0.56	-0.83	0.20	0.2
35	0.32	0.37	0.20	3.8	112	0.99	0.00	0.34	0.7
37	0.69	-2.07	0.20	1.7	113	0.76	-0.68	0.35	-0.3
39	1.24	-0.48	0.18	-0.1	114	0.69	-1.07	0.20	-0.5
40	1.11	-0.13	0.27	-0.5	115	0.58	0.35	0.19	1.9

Table 95. Item Parameter and Fit Summary, Constructed-Response Items, Grade 6 Reading (N=7500)

Item	f	g1	g2	g3	g4	Fit-Z
4	0.56	-0.33	-0.22			1.3
9	0.57	-0.87	-0.27			4.1
10	0.59	0.29	-1.03	-0.10	-0.81	2.9
11	0.83	0.06	-0.21			1.6
23	0.58	1.76	-0.42	-0.88	-0.65	14.4
24	0.68	-0.37	-0.03			9.6
32	0.62	-1.10	-0.61			7.5
36	0.85	-0.37	1.24			6.5
38	0.52	1.69	-1.71	0.85	-1.06	11.8
50	1.10	-1.13	-0.04			-0.7
53	1.12	-0.63	-2.24			3.4
99	0.71	-1.15	-0.60	-1.00		3.9
100	1.02	-0.16	-0.04			1.7
110	0.82	-2.53	-0.89			5.9

Table 96. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 6 Writing (N=6551)

Item	c	b	c	Fit-Z	Item	c	b	c	Fit-Z
57	0.64	-1.36	0.18	3.4	78	0.58	0.47	0.20	1.8
58	1.00	-0.66	0.24	2.0	79	0.53	0.40	0.12	0.4
59	0.90	-0.95	0.24	-1.1	80	0.70	-0.80	0.19	13.0
60	0.54	-0.34	0.20	3.5	81	0.93	-0.91	0.18	-0.6
61	0.56	0.69	0.27	0.1	82	0.79	-0.83	0.20	1.3
62	0.55	-0.81	0.20	-1.0	83	0.73	1.26	0.19	-0.3
63	0.30	0.79	0.20	7.2	84	0.48	-0.70	0.20	2.9
64	0.76	-0.83	0.13	1.6	85	0.77	-0.78	0.28	1.8
65	1.07	-1.56	0.20	0.8	86	0.82	-0.20	0.22	0.0
66	0.98	1.07	0.25	0.8	87	0.67	-0.94	0.20	0.3
67	0.72	-2.17	0.20	10.8	88	0.93	0.49	0.21	0.8
68	0.41	-1.59	0.19	1.6	89	0.77	-0.44	0.13	0.6
69	1.08	-1.30	0.23	2.3	90	0.92	-0.81	0.22	6.1
70	0.82	-1.95	0.20	0.6	91	0.98	-1.50	0.20	3.1
71	0.78	-1.45	0.20	4.6	92	1.02	-0.95	0.22	4.6
72	0.86	0.79	0.26	0.4	93	1.43	-1.10	0.21	0.3
73	0.93	-1.39	0.16	-0.4	94	1.27	-0.48	0.28	3.0
75	0.85	-1.00	0.16	-0.4	95	1.72	-0.57	0.16	1.8
76	0.84	-0.57	0.10	0.8	96	0.80	0.71	0.22	-0.5
77	0.55	-1.21	0.20	4.3	97	1.19	-0.21	0.18	3.0

Table 97. Item Parameter and Fit Summary, Constructed-Response Items, Grade 6 Writing (N=6551)

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.38	-6.27				-1.3
2 A		0.88	-3.17				-0.8
2 B		1.27	-3.37				-1.5
2 C		0.94	-1.02				1.5
2 D		1.31	-1.05				-0.9
2 E		1.41	-2.62				0.1
2 F		1.47	0.98				0.4
3 A		1.12	-2.84	-2.57	-0.70	1.32	77.8
3 B		1.47	-5.83	-3.20	-0.87	1.56	0.8
3 C		2.03	-7.27	-3.47			-0.3
74		1.41	-2.87	-2.80	0.15	3.20	15.4
98		1.49	-3.90	-3.33	0.22	3.48	19.6
116		1.37	-4.06	-3.02	0.21	3.07	14.1

Table 98. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 6 Mathematics (N=7500)

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.72	-1.97	0.17	9.3	31	0.50	-1.44	0.14	2.2
2	0.85	-1.47	0.08	-1.2	32	0.59	-2.32	0.20	-0.4
3	0.97	0.66	0.29	-0.6	33	0.80	0.16	0.15	-0.6
5	0.63	-0.35	0.05	6.7	35	0.92	-1.23	0.23	-1.2
6	1.06	-1.30	0.13	0.9	36	0.59	-0.92	0.20	0.2
8	1.39	-0.06	0.50	3.2	37	0.99	-0.64	0.09	0.0
9	0.51	-1.35	0.17	11.7	39	0.56	-1.89	0.20	12.5
10	0.73	-1.19	0.20	0.6	41	1.34	0.15	0.30	0.5
11	1.61	-0.28	0.20	2.1	42	0.61	-1.19	0.07	0.4
13	1.09	-0.95	0.34	-1.1	43	0.85	0.43	0.15	5.3
14	1.06	0.52	0.08	2.1	45	0.83	0.73	0.09	2.2
15	0.91	-1.19	0.07	-0.2	46	0.82	0.17	0.29	-0.6
16	1.15	0.49	0.18	2.4	47	0.57	-0.47	0.08	-0.9
18	0.87	-0.93	0.14	2.3	48	1.35	0.51	0.19	8.8
19	0.64	0.02	0.19	1.2	50	0.86	0.52	0.11	0.2
21	0.94	-0.21	0.31	5.7	51	0.47	-3.20	0.20	5.2
22	0.92	0.76	0.04	0.8	52	1.38	0.89	0.40	5.7
23	0.48	-3.49	0.20	0.2	54	0.68	-0.90	0.12	4.2
24	0.83	-1.42	0.20	6.5	55	0.90	-0.42	0.27	1.3
26	0.67	-0.18	0.42	3.7	56	0.88	-1.75	0.17	-0.7
27	0.83	-1.34	0.20	1.0	57	1.13	-0.46	0.08	-0.7
28	0.66	-1.59	0.12	0.9	59	0.95	-0.50	0.12	-0.6
29	1.27	-0.05	0.22	0.7					

Table 99. Item Parameter and Fit Summary, Constructed-Response Items, Grade 6 Mathematics (N=7500)

Item	f	g1	g2	g3	g4	Fit-Z
4	0.71	-1.82	-1.04			6.4
7	0.87	-3.84	-0.70	-0.67		3.1
12	1.31	1.39	1.27			4.7
17	0.86	-0.43	2.34	-1.84		14.2
20	0.93	-2.90	-0.39	0.53	1.80	3.6
25	0.80	-4.08	-1.77			1.5
30	1.18	-1.27	-1.56	1.22		27.3
34	1.06	-1.13	-0.82			3.9
38	1.08	-0.60	2.53	-0.23		12.0
40	1.03	-3.97	-1.39	-1.03	0.41	1.9
44	1.27	-2.18	-0.99			1.7
49	1.25	-2.22	-1.12	0.54		12.1
53	1.21	0.04	1.02			28.0
58	0.60	4.85	-6.75	0.87		30.4
60	1.29	-1.45	0.02	0.75	1.17	5.3

Table 100. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 7 Reading (N=7501)

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
5	0.60	-1.61	0.20	4.2	42	1.12	-1.21	0.21	2.6
6	0.96	-1.32	0.28	1.4	45	1.03	0.54	0.15	3.0
7	1.10	-1.75	0.20	5.3	46	1.02	-0.26	0.23	1.4
8	0.94	-0.83	0.30	3.4	47	0.36	0.68	0.30	3.3
12	0.53	-0.60	0.20	-0.8	48	1.22	-0.49	0.18	1.5
13	1.14	-1.94	0.20	1.1	92	0.85	1.09	0.16	3.6
14	0.48	-0.46	0.20	3.0	93	0.91	-0.66	0.19	1.5
15	0.47	0.25	0.20	0.4	94	1.21	1.59	0.13	8.9
16	0.76	-0.15	0.13	-1.2	95	1.23	-0.46	0.16	0.9
17	0.56	-2.78	0.20	5.7	96	1.24	0.05	0.25	0.9
18	0.80	-1.12	0.12	-0.1	98	0.65	-1.85	0.20	9.0
20	1.09	-0.36	0.20	0.2	99	1.01	-2.44	0.20	2.5
21	1.00	-0.32	0.21	-0.7	101	0.95	-0.41	0.20	0.0
22	0.87	-1.06	0.14	1.3	102	1.13	0.26	0.19	2.7
23	0.68	0.11	0.07	5.7	103	0.50	0.02	0.20	18.8
24	0.76	0.67	0.17	-0.3	104	1.31	-0.17	0.13	4.3
26	0.77	-1.45	0.20	2.2	105	0.80	-0.03	0.28	2.4
27	0.71	-0.93	0.12	0.3	106	0.51	1.97	0.17	1.9
28	1.23	0.48	0.21	6.6	107	1.24	-0.63	0.27	-0.1
29	0.97	-1.99	0.20	12.2	108	1.19	-0.07	0.22	0.6
30	1.19	-1.73	0.19	2.8	109	0.27	-1.57	0.20	21.4
33	1.71	-0.98	0.25	0.9	110	0.47	0.66	0.16	2.0
34	1.02	-0.73	0.17	5.0	111	0.75	0.46	0.18	3.1
35	0.81	1.92	0.37	1.3	113	0.59	-1.09	0.20	-0.4
36	0.37	3.29	0.30	0.6	114	1.02	-0.20	0.32	0.6
37	1.15	0.24	0.21	0.2	115	0.83	-0.59	0.43	0.5
39	1.08	-1.07	0.23	-0.7	116	0.63	-1.32	0.18	2.6
40	0.90	0.49	0.17	0.2	117	0.72	0.35	0.22	1.5
41	0.94	0.66	0.19	0.0					

**Table 101. Item Parameter and Fit Summary,
Constructed-Response Items, Grade 7
Reading (N=7501)**

Item	f	g1	g2	g3	g4	Fit-Z
4	0.56	-0.29	-0.37			1.9
9	0.57	-0.93	-0.42			1.0
10	0.93	-1.56	0.74			3.7
11	0.95	-0.59	-1.37			11.1
19	0.75	0.60	1.21			10.5
25	0.80	-0.53	-0.36			7.5
31	0.41	-0.21	1.07	0.38		26.1
32	0.64	2.52	-4.27	-0.85		6.7
38	0.96	1.16	-1.36	2.29		9.8
43	0.87	-0.77	0.51			4.4
44	0.90	-0.87	1.21			8.2
91	1.16	-0.97	0.12			1.6
97	0.48	-0.10	0.03			11.3
100	0.62	-0.32	0.21	1.38		4.3
112	0.91	-2.56	-1.15			2.4

Table 102. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 7 Writing (N=6773)

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
49	0.85	-0.43	0.28	2.7	70	0.95	-1.16	0.12	13.1
50	0.35	0.08	0.20	8.2	71	0.86	-0.16	0.17	-0.4
51	0.61	-1.54	0.14	2.0	72	0.66	-1.06	0.12	0.9
52	0.91	-1.44	0.12	0.7	73	1.38	-1.37	0.24	1.3
53	0.75	-1.75	0.13	1.1	74	0.80	0.05	0.19	-0.6
54	0.87	-0.56	0.16	1.5	75	0.97	0.68	0.24	-1.0
55	0.66	-2.52	0.20	12.2	76	0.45	-0.01	0.12	0.6
56	0.47	-2.00	0.20	0.8	77	1.17	-0.68	0.22	-0.7
57	1.13	0.80	0.28	1.4	78	1.59	-0.80	0.16	6.2
58	0.59	-1.20	0.13	-1.0	79	1.10	-1.47	0.09	4.9
59	0.83	-1.44	0.20	2.1	80	0.94	-0.64	0.10	-0.1
60	0.52	0.44	0.15	-1.2	81	0.40	-0.21	0.20	4.3
61	1.19	0.46	0.14	1.8	82	1.00	0.31	0.25	1.8
62	0.83	0.43	0.22	-0.6	83	0.76	1.58	0.13	12.6
63	0.69	-0.16	0.10	3.8	84	0.90	-1.02	0.17	3.8
64	0.51	-0.66	0.13	0.6	85	0.91	-1.79	0.20	3.9
65	0.74	-0.23	0.37	0.0	86	0.72	-1.36	0.16	11.9
66	0.55	0.42	0.10	0.7	87	0.55	0.30	0.22	1.9
68	0.87	0.75	0.25	2.9	88	0.98	-0.24	0.24	1.2
69	1.02	0.30	0.21	1.7	89	0.53	-0.84	0.14	-0.7

Table 103. Item Parameter and Fit Summary, Constructed-Response Items, Grade 7 Writing (N=6773)

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		0.89	-5.31				3.6
2	A	0.73	0.34				4.5
2	B	0.50	0.10				8.1
2	C	0.73	0.47				2.2
2	D	1.13	0.03				1.1
2	E	0.60	-1.09				4.7
2	F	0.36	0.59				17.6
3	A	1.07	-2.84	-3.60	-1.33	0.85	19.9
3	B	1.29	-5.26	-3.76	-1.20	1.35	1.6
3	C	1.57	-6.58	-2.51			-1.0
67		1.10	-2.89	-2.84	-0.52	2.21	54.3
90		1.20	-3.83	-2.91	-0.15	3.21	40.1
118		1.21	-3.73	-2.73	-0.30	2.53	20.8

Table 104. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 7 Mathematics (N=7499)

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.89	0.17	0.31	4.7	31	0.57	1.60	0.50	1.2
2	0.77	-2.45	0.20	1.5	32	0.70	-0.52	0.10	7.5
3	1.41	0.07	0.22	4.7	34	0.80	-1.69	0.20	2.5
5	0.50	-0.26	0.14	-1.0	36	0.56	-3.14	0.20	2.7
6	0.73	-0.31	0.20	9.6	37	0.64	1.00	0.19	1.1
8	1.02	-0.61	0.15	1.1	38	0.46	-0.53	0.20	-0.6
9	0.85	-0.91	0.20	3.1	39	0.63	0.54	0.30	9.0
10	0.67	-2.88	0.20	6.0	41	1.04	-0.63	0.14	0.8
11	0.31	0.28	0.20	2.6	42	0.94	0.32	0.36	-0.8
12	0.53	-0.13	0.11	1.2	43	1.34	0.66	0.37	-0.9
14	1.19	0.70	0.24	1.8	45	1.25	0.44	0.11	1.4
16	0.47	-2.17	0.20	2.5	46	0.94	-0.98	0.06	3.2
17	0.78	-0.70	0.40	-0.5	47	1.37	0.27	0.17	0.6
18	0.60	0.06	0.09	0.1	50	0.68	0.66	0.28	8.0
19	1.04	0.43	0.26	1.1	51	0.59	-1.12	0.15	3.3
21	0.98	-0.26	0.38	-0.7	52	1.10	0.34	0.18	2.6
22	0.38	-3.97	0.20	0.9	53	0.91	-0.13	0.10	5.1
23	0.88	0.54	0.15	-0.5	54	0.55	-0.99	0.20	0.3
24	0.91	-0.03	0.24	-0.6	56	1.76	1.43	0.25	8.8
26	0.57	-1.01	0.15	2.9	57	1.09	0.85	0.20	3.6
27	0.55	-1.59	0.20	-0.3	58	0.67	-0.23	0.09	1.3
28	1.18	0.17	0.30	2.1	59	1.36	0.04	0.29	0.5
30	0.90	0.25	0.23	1.3					

Table 105. Item Parameter and Fit Summary, Constructed-Response Items, Grade 7 Mathematics (N=7499)

Item	f	g1	g2	g3	g4	Fit-Z
4	1.37	0.63	0.62			5.6
7	0.70	0.33	0.02	0.20		8.3
13	1.06	0.44	-0.20			3.3
15	1.58	-1.62	0.20	1.03		6.6
20	1.23	0.91	0.59	0.97	1.0	7.1
25	0.96	-1.10	-1.40			4.6
29	0.97	-0.79	0.01	0.53		-0.7
33	0.76	-3.80	-1.56			0.2
35	1.26	-0.89	-1.71	0.77		51.4
40	1.26	1.45	1.28	2.30	0.7	0.8
44	0.85	-0.58	0.08			21.1
48	1.70	0.07	1.77	2.87		3.6
49	0.54	-0.95	0.09			6.5
55	1.59	0.90	2.77	2.25		1.2
60	0.61	0.39	-1.09	0.53	0.5	9.1

Table 106. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 8 Reading (N=7500)

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
4	0.80	-1.35	0.13	1.1	38	0.71	-1.18	0.23	2.0
5	0.93	-1.95	0.20	0.9	39	0.42	-2.30	0.20	-0.7
6	0.67	-1.63	0.20	4.7	40	0.72	0.39	0.16	0.6
7	0.35	0.88	0.20	0.1	41	0.55	0.52	0.18	11.4
8	1.28	-1.66	0.21	-0.9	42	0.63	-0.03	0.11	1.7
9	1.44	0.26	0.25	1.3	43	0.61	1.19	0.17	4.4
10	0.33	-2.44	0.20	6.7	44	1.16	-1.58	0.20	4.2
11	0.96	-2.27	0.20	2.2	47	0.91	0.10	0.15	0.7
12	0.92	0.28	0.15	4.8	48	0.66	-2.11	0.20	1.7
13	0.49	0.07	0.17	0.1	49	0.73	-0.48	0.19	2.0
16	0.77	-1.91	0.18	13.7	50	0.79	-0.41	0.13	3.6
17	1.37	-1.47	0.17	-0.9	52	1.33	-0.82	0.19	0.3
18	1.03	-1.99	0.20	8.4	96	0.85	0.72	0.17	3.0
19	0.52	-2.25	0.20	4.4	97	0.55	-1.10	0.20	5.3
20	0.86	-0.84	0.21	3.8	98	0.96	-0.93	0.22	4.1
21	0.89	-1.67	0.20	-0.1	99	1.29	1.21	0.13	5.3
22	0.83	-0.59	0.22	0.5	100	1.36	-0.76	0.17	0.0
26	1.34	-0.91	0.37	-0.2	101	1.34	-0.24	0.32	0.7
27	0.97	-0.76	0.11	1.4	104	0.54	1.45	0.20	2.6
28	1.26	-1.88	0.20	1.2	105	0.58	1.42	0.19	1.5
29	1.29	-1.33	0.15	0.0	106	1.00	1.11	0.22	2.2
30	0.66	-1.08	0.13	2.5	107	0.89	0.61	0.21	6.6
31	0.47	-0.84	0.18	2.7	108	0.77	1.33	0.18	2.7
32	1.17	-1.63	0.27	-0.4	111	1.03	-0.96	0.28	-1.3
33	0.73	-0.68	0.10	3.7	112	1.10	-0.06	0.16	0.9
34	0.79	0.46	0.17	1.2	114	0.33	-2.86	0.20	28.5
35	1.06	-1.51	0.13	0.4	115	1.19	0.85	0.18	8.6
36	0.92	-1.77	0.20	2.1	116	0.65	0.33	0.24	0.9

**Table 107. Item Parameter and Fit Summary,
Constructed-Response Items, Grade 8
Reading (N=7500)**

Item	f	g1	g2	g3	g4	Fit-Z
14	0.83	-1.35	-1.54			4.5
15	0.94	-0.63	-0.03			10.6
24	0.91	-0.09	-1.81			3.9
25	1.18	-0.32	-1.02	-0.98		2.3
37	0.56	1.44	-3.46	-0.67		21.8
45	0.83	-1.16	-0.29			0.3
46	0.84	-1.29	0.89			14.0
51	1.15	-1.76	-0.23	1.36		8.2
95	1.28	-1.88	-0.81			6.9
102	0.78	-1.59	0.49	0.26		5.2
103	1.30	-0.11	0.93			7.0
109	1.22	-0.92	-1.11			1.4
110	0.92	0.31	-0.03	0.22		4.3
113	0.68	1.24	-0.76	-1.18		3.7

Table 108. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 8 Writing (N=6669)

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
53	0.53	-1.68	0.20	6.0	74	1.18	-0.80	0.27	0.5
54	0.83	0.61	0.18	0.8	75	0.41	-0.49	0.20	2.3
55	1.01	-1.06	0.14	0.0	76	0.37	1.94	0.20	15.6
56	1.02	-0.86	0.36	0.5	77	0.55	0.45	0.20	4.4
57	0.62	-0.68	0.17	2.5	78	0.47	0.74	0.20	7.6
58	0.96	-0.63	0.19	-0.6	79	1.57	-1.07	0.22	-0.1
60	0.67	1.41	0.10	13.0	80	0.70	-0.61	0.24	3.1
61	0.99	-1.24	0.16	0.4	81	1.60	-1.17	0.22	2.9
62	0.84	-0.19	0.18	1.0	82	0.58	-0.65	0.20	5.0
63	1.02	-0.95	0.12	0.5	83	0.84	-1.12	0.12	5.2
64	1.00	0.81	0.05	0.7	84	0.91	-1.32	0.20	0.4
65	0.74	-0.14	0.08	3.5	85	0.88	-0.63	0.23	1.8
66	1.03	-1.91	0.20	2.6	86	1.17	-1.33	0.16	6.8
67	0.58	-1.66	0.20	21.3	87	0.83	-0.42	0.15	3.5
68	1.16	-1.06	0.15	3.2	88	0.95	-0.78	0.19	3.2
69	0.67	-0.78	0.17	-0.6	89	0.79	-0.10	0.14	-0.2
70	0.68	-0.68	0.12	-0.5	90	0.97	-0.45	0.22	1.6
71	1.11	-1.73	0.20	1.4	91	0.53	0.82	0.17	-0.6
72	1.13	-0.38	0.20	-0.6	92	1.04	-0.16	0.22	0.5
73	0.41	1.01	0.16	4.6	93	1.15	-0.82	0.17	0.5

Table 109. Item Parameter and Fit Summary, Constructed-Response Items, Grade 8 Writing (N=6669)

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.26	-5.80				-1.4
2	A	1.5391	-1.085				0.2
2	B	0.22	-0.38				2.7
2	C	1.24	1.33				1.4
2	D	0.29	-0.06				2.8
2	E	0.93	1.25				0.7
2	F	1.51	-0.71				0.1
3	A	1.51	-4.40	-3.74	-1.09	1.89	35.2
3	B	1.67	-6.83	-3.91	-1.03	2.04	4.7
3	C	2.06	-7.58	-4.05			-1.7
23		1.48	-3.93	-3.25	0.16	2.77	18.8
59		1.55	-4.58	-3.61	-0.06	2.76	17.0
94		1.37	-3.89	-3.16	0.23	2.78	23.2

Table 110. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 8 Mathematics (N=7501)

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	1.23	-0.30	0.40	1.4	32	1.32	1.14	0.21	29.5
2	1.10	0.81	0.25	0.2	33	0.97	-0.50	0.09	0.3
3	0.81	0.08	0.20	1.4	34	0.71	2.44	0.19	5.2
5	1.06	0.42	0.13	1.0	36	1.68	1.41	0.14	6.5
7	1.08	0.69	0.11	3.7	37	1.39	0.38	0.17	3.0
8	1.37	1.26	0.11	1.4	38	1.47	0.46	0.22	3.7
9	0.54	-0.47	0.16	-0.8	39	0.54	1.51	0.18	7.3
10	0.74	-0.70	0.20	2.1	41	0.80	-1.29	0.20	1.2
12	0.65	-0.15	0.13	0.6	42	1.53	0.56	0.09	3.0
13	1.59	1.49	0.04	20.1	43	1.07	-0.49	0.29	-0.4
14	0.90	-0.46	0.15	1.0	45	1.45	0.97	0.26	3.7
16	0.82	-1.25	0.20	-0.5	47	0.62	1.05	0.07	2.6
17	0.73	-0.69	0.18	11.7	49	1.06	0.06	0.28	1.1
18	1.76	1.10	0.18	5.1	50	1.76	1.02	0.32	0.4
19	1.41	0.67	0.34	-0.5	51	0.42	-2.02	0.20	1.2
21	0.74	0.46	0.34	4.2	52	0.28	0.02	0.02	4.5
22	0.77	-0.10	0.30	-0.8	53	1.01	-0.77	0.17	0.5
23	1.66	0.19	0.18	0.6	54	0.85	-0.46	0.21	2.2
24	0.36	-1.71	0.20	7.4	56	0.38	0.09	0.20	7.9
26	0.46	0.44	0.14	0.3	57	1.04	-0.36	0.17	3.0
27	1.11	2.13	0.08	1.6	58	0.63	-0.55	0.10	1.8
29	0.48	-0.77	0.20	1.2	59	0.98	-0.13	0.27	3.4
30	0.24	-0.66	0.20	0.9					

Table 111. Item Parameter and Fit Summary, Constructed-Response Items, Grade 8 Mathematics (N=7501)

Item	f	g1	g2	g3	g4	Fit-Z
4	1.02	0.18	-0.60			14.6
6	0.88	-2.50	-1.10	-0.14		16.8
11	0.53	0.00	-1.51			10.3
15	1.02	-1.08	2.39	0.55		8.6
20	1.10	0.70	0.20	0.84	0.70	9.2
25	1.49	3.30	2.06			-0.2
28	1.26	0.12	1.57	3.41		1.0
31	1.48	-0.61	1.66			6.7
35	1.07	-0.98	-0.40	0.4		1.2
40	1.07	-2.20	-2.40	0.87	1.67	38.6
44	1.19	1.10	-0.12			8.8
46	1.48	-0.12	0.22	1.08		5.9
48	1.09	2.27	-0.12			9.5
55	1.15	-1.03	0.12	1.81		12.6
60	1.18	1.02	1.21	1.73	2.53	4.5

**Table 112. Item Parameter and Fit Summary, Multiple-Choice Items,
Grade 8 Science (N=7499)**

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	1.24	2.11	0.33	1.6	43	0.71	0.27	0.16	0.9
2	0.38	0.63	0.20	3.1	44	0.63	-0.65	0.20	1.6
3	0.92	-1.11	0.14	-0.3	45	0.30	1.23	0.20	-1.1
4	0.83	-0.68	0.41	1.3	47	1.44	0.74	0.22	15.4
5	1.07	0.51	0.32	-0.8	48	0.98	-2.22	0.20	0.7
6	0.67	-0.55	0.30	2.3	49	0.94	1.75	0.25	2.9
8	0.35	-0.77	0.20	1.8	52	0.97	0.70	0.31	-0.1
9	1.04	-1.03	0.35	-0.9	53	1.33	-0.03	0.18	1.2
10	1.04	0.41	0.20	3.0	55	0.62	0.06	0.24	-0.6
11	1.05	0.09	0.28	2.1	57	0.44	0.90	0.24	-0.5
12	1.17	0.15	0.23	4.5	58	0.48	-1.45	0.20	8.4
13	0.59	1.64	0.28	1.2	59	0.67	-1.23	0.19	1.4
14	0.49	-0.50	0.20	4.9	60	0.95	1.05	0.15	0.6
15	0.82	-2.13	0.20	0.8	61	0.65	-1.56	0.20	2.3
16	0.61	-2.03	0.20	-1.1	62	0.73	-0.26	0.45	1.3
17	1.04	-1.28	0.11	0.4	63	0.81	-0.08	0.14	0.6
18	1.08	0.26	0.17	2.7	64	0.85	-2.55	0.20	2.4
19	0.82	-0.07	0.24	1.4	65	0.74	-2.05	0.19	2.3
27	0.96	-1.82	0.20	-0.1	69	0.58	0.82	0.14	0.8
28	0.94	-2.30	0.19	1.4	71	1.17	1.34	0.11	2.7
29	1.04	-0.77	0.27	1.3	72	0.53	-1.57	0.20	1.9
30	0.61	-0.62	0.19	12.1	73	0.68	-0.03	0.28	1.6
31	1.03	-0.16	0.16	5.7	74	1.19	-1.26	0.19	0.6
32	0.65	2.66	0.08	4.0	75	0.68	-1.43	0.20	2.0
33	0.77	-1.23	0.11	-1.0	76	0.57	-1.51	0.20	0.8
34	0.71	-1.65	0.19	7.8	77	1.12	1.59	0.20	7.7
36	0.58	0.26	0.12	-1.3	78	0.48	1.30	0.19	-0.5
37	0.26	1.82	0.17	0.1	79	0.67	-1.13	0.11	-0.5
38	0.75	0.54	0.15	3.9	80	1.39	1.23	0.15	3.5
39	0.99	-0.66	0.28	1.9	81	0.58	-1.35	0.19	3.7
40	0.91	-0.01	0.18	0.4	82	1.07	-0.22	0.30	5.4
41	1.59	1.85	0.21	27.3	83	0.78	0.37	0.20	-1.2

**Table 113. Item Parameter and Fit Summary,
Constructed-Response Items, Grade 8 Science
(N=7499)**

Item	f	g1	g2	g3	g4	Fit-Z
7	1.02	-0.34	0.47			1.8
20	1.08	-0.64				-0.5
21	0.58	-0.78				1.7
22	0.68	-0.19	-0.61			12.0
23	1.14	-0.78				3.0
24	0.53	0.08	-0.65	-0.45	0.24	4.3
25	1.11	-1.44	-0.67			16.2
26	1.24	-0.22	0.26	0.94		2.7
35	0.81	-1.81	-0.47			10.3
46	0.78	-0.27	2.72			1.1
50	0.73	-0.74	2.81			28.5
51	0.91	1.80	0.33			0.8
54	0.99	1.62	1.37			0.6
56	0.41	-0.33	0.84	1.57		14.2
66	1.01	-1.18	1.20			6.0
67	0.77	-0.36				11.0
68	0.87	-0.36	-1.75	-0.08		4.6
70	1.27	2.27				0.5

Table 114. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 9 Reading (N=7501)

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
4	0.27	-4.33	0.20	-0.7	40	0.60	0.30	0.14	-0.8
5	0.76	-0.20	0.29	-0.5	41	0.44	0.30	0.20	15.0
7	0.58	2.61	0.23	1.5	42	0.65	-0.13	0.14	0.2
8	0.58	-1.54	0.19	0.0	44	1.07	1.34	0.15	1.2
9	0.40	2.59	0.15	1.1	47	0.88	-0.04	0.09	1.3
11	0.44	-1.59	0.20	0.8	48	0.86	-0.70	0.25	0.0
12	0.80	-0.40	0.34	0.5	49	0.63	-0.96	0.20	5.7
13	0.89	0.28	0.14	2.4	50	1.06	-1.04	0.24	0.3
14	1.12	-0.75	0.28	-0.1	51	1.59	-1.06	0.21	1.3
15	0.54	1.41	0.15	3.8	52	0.95	-0.30	0.17	5.2
16	0.84	-1.56	0.20	-1.2	96	0.65	0.28	0.24	3.4
17	0.71	0.08	0.39	1.6	97	0.56	-1.45	0.20	2.2
18	0.88	0.00	0.29	0.4	98	0.96	-1.10	0.22	-0.5
19	0.87	-1.41	0.20	0.1	99	0.78	0.47	0.34	5.0
20	0.30	0.18	0.20	4.3	101	0.79	0.66	0.18	2.4
21	0.57	-0.24	0.17	0.0	102	0.84	-0.74	0.10	1.2
23	0.71	-2.25	0.20	4.1	104	1.15	-0.56	0.32	1.0
24	0.83	-1.49	0.18	2.0	105	0.80	-1.68	0.19	20.4
26	0.64	-0.89	0.11	6.0	106	1.12	-1.39	0.31	0.8
27	0.55	-0.60	0.13	4.8	107	1.35	-1.22	0.22	-0.9
28	0.61	-1.07	0.19	5.2	108	0.81	-0.71	0.29	0.3
31	0.95	-0.43	0.11	0.7	109	0.86	-0.10	0.24	0.7
32	0.65	0.58	0.31	-0.1	110	1.05	-0.10	0.29	-0.4
33	1.32	0.86	0.13	5.0	111	0.81	-0.75	0.10	0.3
34	0.51	0.22	0.17	-0.7	114	0.78	-1.30	0.20	2.1
35	0.25	1.69	0.18	2.2	115	0.95	-0.01	0.16	0.1
36	0.92	-1.10	0.22	1.5	116	1.04	0.66	0.22	1.3
38	0.73	-1.68	0.20	2.9	117	0.53	-0.04	0.16	1.3
39	0.41	-2.41	0.20	-0.5					

**Table 115. Item Parameter and Fit Summary,
Constructed-Response Items, Grade 9
Reading (N=7501)**

Item	f	g1	g2	g3	g4	Fit-Z
6	0.74	0.26	-1.61	-0.92		17.1
10	0.51	1.85	-0.97	0.39		2.7
22	0.37	0.73	-1.45			6.1
25	0.51	0.48	-0.89	-1.13		8.3
29	0.86	0.56	-0.39	-1.11		2.7
30	0.84	1.07	0.30			7.5
37	0.63	1.22	-3.45	-0.94		19.9
43	0.83	0.43	0.20			-1.2
45	0.99	0.56	-0.39	0.62		3.4
46	0.78	1.33	-0.48	0.02		1.2
100	0.70	1.22	-0.27	0.99		5.7
103	0.83	1.01	-1.01	-0.56		1.9
112	1.11	0.96	-1.30			-0.3
113	0.83	0.49	-0.37	0.52		8.8

Table 116. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 9 Writing (N=7382)

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
54	0.92	0.24	0.23	5.1	75	0.57	-0.61	0.20	0.2
55	1.09	1.26	0.17	5.9	76	0.85	-1.15	0.20	2.0
56	0.56	-0.20	0.14	-0.6	77	0.85	-0.86	0.25	0.0
57	1.15	-0.90	0.15	0.2	78	1.06	-1.72	0.20	10.3
58	1.11	-0.60	0.27	0.2	79	0.90	-0.87	0.15	2.1
59	0.71	0.28	0.24	0.7	80	0.98	-1.06	0.21	4.8
60	0.80	-0.39	0.13	-0.2	81	1.29	-1.13	0.28	6.5
61	1.15	-1.17	0.27	1.8	82	1.03	0.59	0.16	9.2
62	0.68	-1.02	0.20	0.1	83	0.47	-1.42	0.20	8.0
63	0.60	-0.12	0.29	9.0	84	1.41	0.37	0.26	11.2
64	1.56	-0.21	0.32	3.2	85	1.50	-0.44	0.21	3.0
65	0.89	-0.91	0.12	0.9	86	0.76	-0.45	0.16	0.6
66	0.65	-1.70	0.20	1.7	87	0.91	-0.71	0.18	1.2
67	0.82	-0.77	0.20	1.4	88	0.75	1.13	0.13	5.7
68	0.19	2.10	0.20	6.8	89	0.50	0.05	0.17	3.6
69	1.18	-1.26	0.11	14.1	90	0.88	-0.31	0.19	-0.1
70	1.33	-0.55	0.26	1.0	91	0.91	0.39	0.18	3.5
71	1.39	-1.29	0.30	1.1	92	1.31	-0.49	0.24	0.0
73	0.88	-1.10	0.20	4.5	93	1.04	-0.42	0.39	2.6
74	0.79	0.08	0.18	5.3	94	0.42	-0.04	0.20	0.9

Table 117. Item Parameter and Fit Summary, Constructed-Response Items, Grade 9 Writing (N=7382)

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.11	-5.26				0.8
2	A	1.21	-1.89				2.0
2	B	1.53	-3.42				-0.5
2	C	1.12	0.40				23.4
2	D	0.46	-1.36				12.8
2	E	0.77	0.30				0.2
2	F	0.68	-1.87				2.9
3	A	1.64	-4.96	-3.42	1.11	4.41	6.2
3	B	1.76	-6.64	-3.53	1.13	4.57	2.4
3	C	2.00	-7.48	-3.28			-0.5
53		1.01	-2.67	-2.09	0.48	2.08	34.6
72		1.17	-4.07	-2.25	0.38	2.21	12.4
95		1.11	-2.77	-1.58	0.58	1.99	29.5

Table 118. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 9 Mathematics (N=7576)

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.44	-0.28	0.22	1.7	31	0.97	0.65	0.33	1.2
2	1.00	-0.71	0.31	0.1	34	1.33	1.33	0.14	12.4
3	0.89	-0.44	0.16	1.0	35	0.55	1.12	0.33	1.0
5	0.49	0.60	0.21	2.5	36	1.14	-1.02	0.15	4.5
6	1.19	0.42	0.36	0.7	37	0.84	0.53	0.22	2.9
7	1.02	-0.28	0.34	7.8	38	1.33	-0.44	0.21	7.7
9	0.93	0.38	0.09	2.7	39	0.88	1.58	0.45	2.6
10	0.86	0.92	0.09	0.2	41	0.45	-0.72	0.20	0.2
11	1.33	-0.17	0.22	0.6	42	0.66	0.77	0.08	-1.0
13	0.59	-0.04	0.14	1.0	43	0.77	-0.32	0.19	0.2
15	0.79	-1.01	0.28	3.4	44	1.26	1.39	0.43	-0.4
16	0.56	2.10	0.21	-1.4	46	0.74	-0.55	0.16	1.4
17	1.25	0.22	0.27	0.6	47	0.78	0.08	0.31	0.1
19	1.08	1.95	0.16	0.0	49	0.53	1.12	0.08	2.9
21	0.92	2.19	0.17	3.3	51	1.24	0.94	0.11	0.1
23	1.15	2.21	0.06	-0.8	52	1.55	1.20	0.19	1.5
24	0.77	-1.46	0.15	2.0	54	0.86	0.56	0.15	0.6
25	0.73	-0.44	0.25	3.1	55	1.08	-1.18	0.08	3.7
26	1.23	1.31	0.17	5.7	56	1.21	0.02	0.23	1.2
27	0.94	-0.73	0.13	0.0	57	0.88	1.35	0.38	-1.4
29	0.70	-0.24	0.20	0.2	58	1.12	0.11	0.28	0.3
30	1.11	1.21	0.21	2.1	59	0.33	1.28	0.20	1.1

Table 119. Item Parameter and Fit Summary, Constructed-Response Items, Grade 9 Mathematics (N=7576)

Item	f	g1	g2	g3	g4	Fit-Z
4	1.54	1.61	1.56			8.2
8	1.03	-0.99	0.26	0.50		10.8
12	1.34	2.83	1.56			2.8
14	1.14	1.29	2.02	2.41		1.3
20	0.96	-0.78	0.06	1.15	1.78	10.2
22	1.57	-0.83	1.76			9.5
28	1.19	0.33	1.47	2.89		0.1
32	1.23	-0.01	1.51			0.5
33	1.14	-0.96	0.03	1.53		20.5
40	0.81	0.39	2.99	0.75	0.56	11.2
45	1.62	0.69	1.92			13.1
48	1.47	0.47	2.58	0.99		19.8
50	1.29	2.61	0.77			4.7
53	1.54	-1.02	1.69	1.88		17.6
60	0.66	0.17	0.28	2.68	0.97	7.7

Table 120. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 10 Reading (N=6334)

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
4	0.42	-1.58	0.20	2.8	40	1.21	0.65	0.15	2.3
5	0.37	-3.16	0.20	1.6	41	0.71	-0.98	0.20	1.3
6	0.71	-2.37	0.20	2.2	43	0.41	2.31	0.16	0.7
7	0.76	-0.25	0.28	0.2	44	1.76	1.48	0.27	3.5
10	0.93	-0.97	0.27	0.8	45	0.18	-0.92	0.20	15.7
12	0.62	-1.70	0.20	4.4	46	0.87	-1.23	0.19	0.4
13	0.53	2.47	0.20	2.3	47	0.48	-0.07	0.20	2.1
14	0.44	0.18	0.20	-0.9	48	0.63	-1.52	0.20	1.3
15	0.34	0.07	0.20	3.7	49	0.73	-0.53	0.21	-0.8
16	0.40	-1.40	0.20	5.4	50	0.43	0.27	0.17	0.2
17	0.49	0.53	0.16	-1.0	53	0.83	-2.17	0.20	6.7
18	0.41	2.64	0.17	0.9	54	0.66	1.06	0.23	1.7
19	0.54	0.36	0.22	0.5	55	0.69	-0.65	0.20	1.4
21	0.38	0.11	0.20	20.0	56	0.90	-2.26	0.20	4.4
22	1.06	-0.59	0.30	1.4	57	1.23	-1.88	0.21	-0.3
23	0.45	-0.50	0.20	1.7	101	0.97	-0.90	0.11	0.5
24	1.33	-1.66	0.22	1.1	102	0.57	-0.34	0.20	1.0
25	0.74	-0.36	0.16	-0.2	103	0.54	-1.00	0.20	17.3
26	0.57	-0.32	0.15	3.2	104	0.85	-0.75	0.20	0.6
27	0.40	-0.48	0.20	5.5	105	0.61	2.11	0.27	-0.3
29	0.91	0.77	0.28	1.4	106	1.04	-0.22	0.13	1.0
30	0.84	0.46	0.21	-0.6	108	1.39	-1.51	0.17	-1.0
32	1.76	2.20	0.15	7.4	109	1.11	1.90	0.29	-0.1
33	0.66	-1.37	0.20	0.4	110	0.78	-1.12	0.15	-0.7
34	0.85	0.35	0.22	3.4	112	1.03	1.49	0.28	1.8
35	0.62	-1.02	0.20	3.1	113	1.69	-1.52	0.26	6.2
38	0.95	-0.53	0.11	0.3	115	0.29	-2.20	0.20	0.0
39	0.53	0.15	0.24	1.0					

Table 121. Item Parameter and Fit Summary, Constructed-Response Items, Grade 10 Reading (N=6334)

Item	f	g1	g2	g3	g4	Fit-Z
8	0.96	-1.72	0.53			0.2
9	0.79	0.44	-1.68	-1.21		12.0
20	0.74	-0.01	0.65	-0.86		11.8
28	0.81	-0.81	-1.18	-0.62		0.7
31	0.45	0.90	0.18	1.02		6.1
36	0.80	-0.12	-0.48	-0.55		8.3
37	0.79	-0.92	0.68			9.8
42	0.54	0.72	-0.61	0.86	0.55	10.8
51	0.71	-0.48	-1.74	-1.08		2.2
52	0.73	-1.56	-0.11	-0.68		3.8
100	0.78	-1.01	-0.04			10.0
107	0.54	1.67	-1.62	-1.33	-1.44	4.6
111	0.98	-0.64	-1.32	-1.18		1.2
114	0.96	-0.47	-1.28			-0.4

Table 122. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 10 Writing (N=7347)

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
59	0.74	-0.91	0.11	2.6	80	0.66	1.54	0.48	-0.3
60	0.49	0.25	0.20	3.3	81	0.30	1.24	0.20	11.4
61	0.46	-0.15	0.13	3.3	82	1.01	0.45	0.18	0.4
62	0.67	-1.84	0.20	1.7	83	0.88	0.05	0.21	1.4
63	1.11	-1.92	0.18	0.6	84	0.38	2.12	0.15	7.1
64	1.35	-1.50	0.26	1.2	85	1.01	1.41	0.15	3.4
65	1.22	-1.25	0.42	-0.2	86	0.60	-0.67	0.18	6.6
66	1.42	-1.74	0.19	0.0	87	0.58	-1.34	0.20	12.0
67	0.93	-1.61	0.13	3.2	88	1.15	-0.84	0.31	1.7
68	0.55	-1.23	0.20	12.2	89	1.20	-1.22	0.08	3.6
69	1.02	-0.82	0.22	0.6	90	1.31	-1.54	0.17	0.4
70	0.34	-0.62	0.20	10.0	91	0.92	-1.02	0.09	3.2
71	0.49	0.68	0.18	6.7	92	1.33	-1.49	0.17	3.5
72	0.62	0.54	0.17	0.7	93	0.76	-0.99	0.11	0.5
73	1.30	-1.54	0.22	5.7	94	0.88	0.38	0.18	5.0
74	0.50	-1.57	0.18	3.4	95	0.60	-0.67	0.10	1.1
75	0.66	-0.87	0.20	1.9	96	0.79	-0.06	0.15	0.9
77	0.56	1.92	0.31	-0.1	97	0.85	-1.00	0.28	3.5
78	0.64	0.13	0.37	1.7	98	0.75	-0.66	0.12	3.9
79	0.40	-1.26	0.20	7.1					

Table 123. Item Parameter and Fit Summary, Constructed-Response Items, Grade 10 Writing (N=7347)

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.22	-5.61				5.3
2	A	0.90	-0.43				0.9
2	B	1.28	-1.02				2.7
2	C	0.73	0.28				1.0
2	D	0.99	0.04				1.3
2	E	0.61	-0.44				8.4
2	F	1.62	-2.44				0.8
3	A	1.58	-4.85	-4.57	0.11	3.10	56.4
3	B	1.84	-6.87	-4.79	0.06	3.25	5.6
3	C	1.71	-6.22	-2.16			-1.1
76		1.17	-3.01	-3.20	-0.62	2.24	22.2
99		1.10	-2.36	-2.29	-0.35	2.15	83.0
116		1.29	-2.91	-2.78	-0.61	2.32	29.8

Table 124. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 10 Mathematics (N=7500)

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.96	-0.82	0.30	1.9	30	0.76	1.76	0.23	7.0
2	1.47	0.03	0.18	1.1	33	0.23	0.15	0.20	16.3
3	1.34	1.23	0.21	22.5	34	0.72	0.45	0.07	0.0
4	0.95	1.54	0.43	2.5	35	1.17	-0.01	0.18	4.6
5	0.55	2.17	0.23	-0.1	37	1.14	-1.20	0.23	2.3
7	0.80	-0.13	0.14	-0.5	38	0.65	-0.68	0.09	3.5
8	0.98	0.62	0.24	3.1	39	1.18	0.62	0.29	0.9
9	0.68	0.39	0.07	3.9	41	0.87	0.13	0.15	0.0
11	0.47	-2.65	0.20	2.8	42	1.42	1.51	0.37	0.2
12	0.72	-0.03	0.21	2.3	43	0.98	1.65	0.39	-0.3
13	0.95	-1.07	0.10	-0.3	44	1.40	0.85	0.31	0.2
16	1.21	1.05	0.05	1.4	46	0.52	-2.37	0.20	2.1
17	1.12	0.81	0.06	4.1	47	1.21	0.71	0.21	3.5
18	1.07	-0.53	0.28	2.9	49	0.92	0.22	0.16	-0.7
19	0.80	0.55	0.47	2.9	50	0.44	-1.40	0.20	0.4
21	1.17	1.33	0.12	0.6	51	1.04	0.69	0.07	-0.4
22	1.22	-1.15	0.21	10.7	52	0.64	1.21	0.21	21.4
23	1.48	1.50	0.13	2.9	53	1.59	0.98	0.40	-0.6
24	0.63	0.70	0.25	1.3	55	1.38	-0.09	0.34	1.3
26	0.87	-1.08	0.38	1.3	56	0.45	1.04	0.27	5.0
27	0.79	1.50	0.27	1.2	57	1.16	1.47	0.10	11.3
28	0.96	0.47	0.32	1.7	58	0.99	0.81	0.07	-0.3
29	0.51	-0.35	0.20	2.2					

Table 125. Item Parameter and Fit Summary, Constructed-Response Items, Grade 10 Mathematics (N=7500)

Item	f	g1	g2	g3	g4	Fit-Z
6	0.97	-0.18	-1.06			10.9
10	1.50	1.19	1.88	2.15		-0.3
14	1.07	-0.98	1.48			21.4
15	1.17	0.38	1.89	2.28		0.9
20	1.44	1.75	2.43	3.46	3.86	1.4
25	1.07	0.49	0.45			3.2
31	0.64	-0.84	1.55	-0.31		15.3
32	1.46	-1.56	2.42			9.1
36	1.00	-0.76	-0.17	0.34		5.1
40	1.19	-1.01	-0.02	2.10	1.62	6.7
45	0.68	1.21	0.04			3.6
48	1.64	0.89	1.09	1.75		3.9
54	1.15	-3.49	0.92			15.1
59	1.54	0.23	2.07	1.17		6.7
60	1.40	-2.33	0.90	1.93	3.84	10.1

Table 126. Items Flagged for DIF by Focal Group, in Favor of (+) and against (*)

Content	Grade	Item #	Item Type	Focal Group ¹				Obs-Pred
				F	M	B	H	
RD	3	13	CR	+	*		+	.117, .119, .102
RD	4	101	CR				+	.116
RD	5	15	CR				+	.104
RD	5	42	CR			+		.114
RD	5	47	CR			+		.129
RD	6	10	CR				+	.115
RD	6	11	CR			+		.154
RD	6	99	CR				+	.121
RD	7	38	CR		*	+		.111, .114
RD	7	100	CR		*			.104
RD	8	110	CR	+	*			.102, .122
RD	9	10	CR			+		.145
RD	9	25	CR			+		.159
RD	9	29	CR	+				.101
RD	9	113	CR	+	*			.111, .131
RD	10	20	CR			*		.138
RD	10	23	MC	*				.103
RD	10	36	CR	+	*			.119, .123
RD	10	42	CR			*		.159
RD	10	51	CR	+		+	+	.104, .156, .161
RD	10	52	CR	+	*		+	.107, .103, .135
RD	10	107	CR	+				.111
RD	10	111	CR	+				.102
WR	3	20	MC				*	.109
WR	4	56	MC			*		.104
WR	5	-						-
WR	6	3A	CR				+	.131
WR	7	63	MC				*	.122
WR	7	90	CR	+	*			.127, .127
WR	8	-						-
WR	9	72	CR	+	*			.104, .113
WR	9	95	CR	+	*			.103, .113
WR	10	-						-
MA	5	53	CR			+		.165
MA	5	69	CR			*		.158
MA	6	7	CR			*		.121
MA	6	17	CR	+	*			.103, .114
MA	7	60	CR	+	*			.128, .120
MA	8	20	CR			*		.143
MA	9	53	CR			+		.101
MA	10	-						-
SC	8	7	CR			+		.113
SC	8	24	CR	+	*	*	+	.197, .186, .223, .101
Span RD	3	-						-
Span RD	4	-						-
Span WR	3	-						-
Span WR	4	-						-

¹F = Female; M = Male; B = African American; H = Hispanic; + = favoring; * = disfavoring.

Table 127. Overall Estimates of Standard Error of Measurement

Assessment	Standard Error Of Measurement
Grade 3 Reading	23.08
Grade 4 Reading	16.54
Grade 5 Reading	19.25
Grade 6 Reading	18.96
Grade 7 Reading	17.89
Grade 8 Reading	16.30
Grade 9 Reading	15.35
Grade 10 Reading	16.98
Grade 3 Spanish Reading	16.51
Grade 4 Spanish Reading	11.76
Grade 3 Writing	16.77
Grade 4 Writing	16.06
Grade 5 Writing	16.99
Grade 6 Writing	18.00
Grade 7 Writing	21.29
Grade 8 Writing	21.56
Grade 9 Writing	20.31
Grade 10 Writing	22.77
Grade 3 Spanish Writing	19.79
Grade 4 Spanish Writing	15.93
Grade 5 Mathematics	17.94
Grade 6 Mathematics	19.02
Grade 7 Mathematics	19.32
Grade 8 Mathematics	19.63
Grade 9 Mathematics	19.43
Grade 10 Mathematics	19.13
Grade 8 Science	16.90

Table 128. 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	259														
175	216	175	246												
200	179	200	210	200	170										
225	147	225	178	225	148										
250	119	250	151	250	129	250	141								
275	96	275	126	275	111	275	122								
300	77	300	105	300	95	300	105	300	115						
325	60	325	86	325	81	325	90	325	97	325	134				
350	46	350	69	350	68	350	76	350	82	350	109	350	117	350	155
375	35	375	54	375	56	375	65	375	68	375	88	375	100	375	127
400	28	400	41	400	46	400	54	400	56	400	71	400	85	400	103
425	23	425	30	425	37	425	45	425	45	425	57	425	71	425	83
450	20	450	22	450	30	450	36	450	36	450	44	450	58	450	67
475	17	475	16	475	24	475	29	475	28	475	34	475	47	475	53
500	16	500	13	500	20	500	23	500	23	500	26	500	37	500	40
525	15	525	12	525	17	525	19	525	19	525	19	525	28	525	30
550	16	550	12	550	15	550	16	550	16	550	15	550	21	550	23
575	19	575	12	575	14	575	14	575	14	575	13	575	16	575	17
600	23	600	13	600	13	600	13	600	13	600	12	600	13	600	13
625	28	625	15	625	14	625	13	625	13	625	12	625	11	625	12
650	36	650	18	650	15	650	14	650	13	650	13	650	11	650	12
675	43	675	22	675	17	675	16	675	15	675	13	675	11	675	13
700	50	700	27	700	20	700	18	700	17	700	15	700	12	700	14
725	58	725	32	725	24	725	22	725	19	725	17	725	14	725	15
750	71	750	39	750	27	750	27	750	23	750	20	750	17	750	17
775	90	775	47	775	30	775	33	775	27	775	24	775	22	775	18
800	115	800	56	800	35	800	40	800	32	800	30	800	28	800	19
		825	66	825	42	825	49	825	38	825	38	825	35	825	24
		850	78	850	52	850	59	850	45	850	47	850	44	850	32
		875	92	875	65	875	71	875	53	875	59	875	54	875	41
		900	107	900	78	900	85	900	62	900	73	900	65	900	50
		925	124	925	92	925	101	925	73	925	90	925	79	925	61
		950	144	950	108	950	120	950	85	950	111	950	96	950	73
						975	141	975	99	975	136	975	116	975	87
										1000	165	1000	138	1000	103

Table 129. 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	96														
175	78	175	86												
200	63	200	69	200	69										
225	51	225	53	225	54	225	52	225	51						
250	40	250	39	250	42	250	42	250	43	250	41	250	51	250	58
275	31	275	30	275	33	275	35	275	36	275	36	275	43	275	48
300	23	300	24	300	27	300	29	300	31	300	32	300	36	300	40
325	18	325	20	325	23	325	25	325	27	325	28	325	32	325	34
350	14	350	17	350	20	350	22	350	25	350	26	350	30	350	29
375	12	375	14	375	18	375	19	375	23	375	24	375	28	375	26
400	11	400	13	400	16	400	17	400	21	400	22	400	25	400	24
425	13	425	12	425	14	425	16	425	19	425	21	425	23	425	22
450	15	450	13	450	13	450	15	450	18	450	19	450	21	450	20
475	18	475	13	475	13	475	14	475	16	475	17	475	19	475	18
500	22	500	15	500	15	500	14	500	16	500	17	500	17	500	17
525	26	525	17	525	17	525	15	525	17	525	17	525	17	525	18
550	32	550	21	550	20	550	17	550	17	550	18	550	16	550	19
575	37	575	25	575	22	575	19	575	18	575	20	575	17	575	20
600	43	600	30	600	25	600	21	600	20	600	21	600	18	600	21
625	52	625	35	625	29	625	23	625	23	625	23	625	19	625	22
650	62	650	41	650	34	650	27	650	26	650	25	650	21	650	24
675	75	675	47	675	40	675	31	675	30	675	27	675	24	675	25
		700	56	700	48	700	36	700	35	700	30	700	27	700	27
		725	68	725	58	725	45	725	42	725	34	725	30	725	29
				750	71	750	56	750	50	750	39	750	33	750	32
				775	86	775	72	775	60	775	47	775	37	775	37
						800	93	800	72	800	55	800	44	800	43
						825	120	825	88	825	67	825	53	825	51
						850	154	850	106	850	80	850	66	850	61
								875	128	875	96	875	82	875	73
								900	154	900	114	900	103	900	87
												925	127	925	103
														950	122

**Table 130. 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	72		
					275	53		
300	136	300	103		300	39	300	90
325	102	325	81		325	29	325	61
350	75	350	63		350	22	350	40
375	54	375	48		375	17	375	27
400	37	400	36		400	15	400	20
425	24	425	25		425	15	425	17
450	16	450	18		450	15	450	18
475	13	475	13		475	15	475	17
500	12	500	11		500	17	500	14
525	13	525	10		525	19	525	12
550	15	550	9		550	21	550	11
575	17	575	10		575	24	575	12
600	18	600	12		600	27	600	15
625	21	625	15		625	32	625	19
650	28	650	21		650	39	650	23
675	38	675	29		675	50	675	28
700	50	700	36		700	65	700	35
725	66	725	42		725	84	725	43
750	87	750	48		750	108	750	52
		775	56				775	62
		800	66				800	74

Table 131. Mathematics and Science Scale Scores and Associated Standard Errors

MA 5		MA 6		MA 7		MA 8		MA 9		MA 10		SC 8	
SS	SE	SS	SE	SS	SE	SS	SE	SS	SE	SS	SE	SS	SE
200	67												
225	57	225	55										
250	48	250	49										
275	41	275	43	275	67								
300	34	300	38	300	58	300	75					300	49
325	28	325	33	325	50	325	63	325	124			325	37
350	24	350	28	350	42	350	53	350	98	350	69	350	29
375	20	375	24	375	36	375	44	375	76	375	58	375	23
400	17	400	21	400	31	400	38	400	58	400	49	400	19
425	15	425	18	425	26	425	32	425	44	425	41	425	16
450	14	450	17	450	22	450	27	450	34	450	34	450	15
475	13	475	16	475	19	475	23	475	26	475	28	475	14
500	13	500	15	500	17	500	20	500	21	500	23	500	13
525	14	525	15	525	15	525	17	525	18	525	20	525	13
550	16	550	15	550	14	550	15	550	15	550	17	550	13
575	18	575	15	575	13	575	14	575	14	575	15	575	14
600	22	600	17	600	13	600	13	600	13	600	13	600	15
625	26	625	19	625	14	625	12	625	12	625	12	625	17
650	32	650	23	650	16	650	13	650	12	650	11	650	20
675	40	675	29	675	19	675	14	675	13	675	12	675	25
700	49	700	36	700	25	700	17	700	14	700	13	700	31
725	60	725	45	725	33	725	21	725	18	725	16	725	38
750	74	750	56	750	42	750	27	750	22	750	19	750	46
775	91	775	70	775	54	775	33	775	28	775	24	775	54
800	111	800	85	800	67	800	42	800	36	800	31	800	64
		825	104	825	83	825	52	825	46	825	40		
				850	101	850	64	850	58	850	51		
						875	79	875	73	875	66		
						900	97	900	91	900	84		
								925	113	925	106		
										950	134		