

<b>Table 1. The Colorado Model Content Standards and Sub-Content Areas</b>		
<b>Reading</b>		
<b>Content Standards</b>		
CS	Grades	
1	3-10	Reading Comprehension
4	4-10	Thinking Skills
5	4-10	Use of Literary Information
6	4-10	Literature
<b>Sub-Content Areas</b>		
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
<b>Writing</b>		
<b>Content Standards</b>		
CS	Grades	
2	3-10	Write for a Variety of Purposes
3	3-10	Write Using Conventions
<b>Sub-Content Areas</b>		
SA	Grades	
5	3-10	Paragraph Writing
6	4-10	Extended Writing
7	3-10	Grammar and Usage
8	3-10	Mechanics
<b>Mathematics</b>		
<b>Content Standards</b>		
CS	Grades	
1	3-6	Number Sense
2	4-10	Algebra, Patterns, and Functions
2/3	3	Algebra, Patterns, and Functions & Statistics and Probability
3	4-10	Statistics and Probability
4/5	3-10	Geometry and Measurement
6	3-6	Computational Techniques
1/6	7-10	Number Sense and Computational Techniques

<b>Table 1. The Colorado Model Content Standards and Sub-Content Areas (Concluded)</b>		
<b>Mathematics (Continued)</b>		
<b>Sub-Content Areas</b>		
SA	Grades	
1	4-6	Number and Operational Sense
1	7	Number Sense
1	8	Linear Pattern Representation
1	9	Multiple Representations of Linear/Nonlinear Functions
1	10	Multiple Representations of Functions
2	4-6	Patterns
2	7	Area and Perimeter Relationships
2	8-9	Proportional Thinking
2	10	Probability and Counting Techniques
3	4	Measurement
3	5	Data Displays
3	6 and 8	Geometry
<b>Science</b>		
<b>Content Standards</b>		
CS	Grades	
1/6	5, 8, and 10	Scientific Investigations and Connections Among Scientific Disciplines
2/5	5, 8, and 10	Physical Science and Its Interrelationship with Technology and Human Activity
3/5	5, 8, and 10	Life Science and Its Interrelationship with Technology and Human Activity
4/5	5, 8, and 10	Earth and Space Science and Its Interrelationship with Technology and Human Activity
<b>Sub-Content Areas</b>		
SA	Grades	
1	5, 8, and 10	Experimental Design & Investigations
2	5, 8, and 10	Results & Data Analysis
3	8 and 10	Physics Concepts
4	8 and 10	Chemistry Concepts
5	8 and 10	Life Processes
6	8 and 10	Organisms & Their Interactions
7	8 and 10	Geology and Astronomy
8	8 and 10	Meteorology and Hydrology

**Table 2. Configuration of 2006 CSAP Assessments**

Content Area	Grade	Maximum Possible Points	Total # of Items			Frequency of CR Items with the Given Number of Maximum Points			
			MC	CR	Total	1	2	3	4
Reading	3	52	32	8	40	0	4	4	0
Reading	4	91	56	14	70	0	8	5	1
Reading	5	92	56	15	71	0	10	4	1
Reading	6	90	57	14	71	0	10	3	1
Reading	7	90	58	14	72	0	10	4	0
Reading	8	91	58	14	72	0	9	5	0
Reading	9	93	58	14	72	0	7	7	0
Reading	10	94	55	14	69	0	4	9	1
Writing	3	56	35	18	53	15	3	0	0
Writing	4	69	40	13	53	7	1	0	5
Writing* <sup>1</sup>	5	68	39	13	52	7	1	0	5
Writing	6	70	41	13	54	7	1	0	5
Writing	7	69	40	13	53	7	1	0	5
Writing* <sup>2</sup>	8	66	39	12	51	7	0	0	5
Writing	9	69	40	13	53	7	1	0	5
Writing	10	69	40	13	53	7	1	0	5
Spanish Reading	3	51	32	8	40	0	5	3	0
Spanish Reading	4	89	55	14	69	0	8	6	0
Spanish Writing	3	56	35	18	53	15	3	0	0
Spanish Writing	4	69	40	13	53	7	1	0	5
Mathematics	3	50	32	8	40	0	6	2	0
Mathematics	4	96	54	15	69	0	6	6	3
Mathematics	5	96	54	15	69	0	6	6	3
Mathematics	6	87	45	15	60	0	6	6	3
Mathematics	7	87	45	15	60	0	6	6	3
Mathematics	8	87	45	15	60	0	6	6	3
Mathematics* <sup>1</sup>	9	86	44	15	59	0	6	6	3
Mathematics* <sup>1</sup>	10	86	44	15	59	0	6	6	3
Science	5	88	57	18	75	5	13		
Science* <sup>3</sup>	8	99	58	23	81	9	11	2	1
Science* <sup>3</sup>	10	98	58	23	81	9	12	1	1

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

<sup>1</sup> 1 MC item removed

<sup>2</sup> 1 MC item and 1 CR item removed

<sup>3</sup> 2 MC items removed

**Table 3. Configuration of 2006 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								12	12	10	10	10	10			
		CR	8	20									4	9	4	11				
4	Reading	MC	29	29	8	8	11	11	8	8			25	25	10	10	10	10		
		CR	3	8	4	10	3	6	4	11			8	20	3	9				
5	Reading	MC	22	22	11	11	15	15	8	8			21	21	10	10	10	10		
		CR	4	8	4	9	2	5	5	14			8	19	5	12				
6	Reading	MC	19	19	15	15	15	15	8	8			20	20	9	9	13	13		
		CR	5	13	2	4	2	4	5	12			8	19	4	10				
7	Reading	MC	13	13	14	14	19	19	12	12	8	8			11	11	9	9	11	11
		CR	7	17	3	7			4	8	4	8			8	19			2	5
8	Reading	MC	17	17	17	17	14	14	10	10	8	8			19	19	10	10	7	7
		CR	5	13	1	2	2	6	6	12	2	4			6	15			4	8
9	Reading	MC	23	23	12	12	15	15	8	8	10	10			14	14	10	10	9	9
		CR	4	10	3	8	2	5	5	12	5	13			5	13			2	4
10	Reading	MC	21	21	11	11	16	16	7	7	9	9			13	13	10	10	7	7
		CR	4	10	4	11	1	3	5	15	5	13			5	14			3	9
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 2006 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			13	13	10	10
		CR	9	12	9	9	12	15			3	3	3	3
4	Writing	MC	15	15	25	25	4	4			14	14	11	11
		CR	6	21	7	8	3	12	4	11	2	2	4	4
5	Writing <sup>1</sup>	MC	15	15	24	24	4	4			20	20	10	10
		CR	6	21	7	8	3	12	4	11	2	2	4	4
6	Writing	MC	15	15	26	26	5	5			20	20	14	14
		CR	6	21	7	8	3	12	4	11	3	3	3	3
7	Writing	MC	15	15	25	25	5	5			19	19	12	12
		CR	6	21	7	8	3	12	4	11	2	2	4	4
8	Writing <sup>2</sup>	MC	14	14	25	25	8	8			14	14	16	16
		CR	6	21	6	6	3	12	3	9	2	2	4	4
9	Writing	MC	15	15	25	25	6	6			14	14	14	14
		CR	6	21	7	8	3	12	4	11	3	3	3	3
10	Writing	MC	15	15	25	25	6	6			21	21	10	10
		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	27	27	6	6			15	15	12	12
		CR	6	21	7	8	3	12	4	11	4	4	2	2

<sup>1</sup> Removed one MC item from calibration in CS3 --SA7

<sup>2</sup> Removed one MC item from calibration in CS3 -- SA7 and one CR item in CS3/SA6

**Table 5. Configuration of 2006 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		2/3		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.	No. of Items	Total Pts.
3	Mathematics	MC	6	6					9	9			12	12	5	5						
		CR	2	4					2	4			2	5	2	5						
4	Mathematics	MC	10	10		6	6			9	9	17	17	12	12	10	10	5	5	4	4	
		CR	4	10		3	8			2	5	4	12	2	7	3	7	4	11	2	7	
5	Mathematics	MC	14	14		8	8			7	7	11	11	14	14	13	13	3	3	5	5	
		CR	2	5		4	11			4	12	3	9	2	5	2	5	3	9	4	12	
6	Mathematics	MC	10	10		7	7			7	7	12	12	9	9	6	6	6	6	4	4	
		CR	2	7		3	10			4	11	4	10	2	4	2	6	2	7	3	8	
7	Mathematics	MC			15	15	9	9			9	9	12	12			2	2	5	5		
		CR			4	11	3	8			3	9	5	14			4	13	2	5		
8	Mathematics	MC			11	11	11	11			9	9	14	14			5	5	10	10	5	5
		CR			4	11	4	11			3	8	4	12			4	11	2	6	3	9
9	Mathematics <sup>1</sup>	MC			10	10	11	11			11	11	12	12			3	3	8	8		
		CR			3	7	5	14			4	11	3	10			6	18	3	7		
10	Mathematics <sup>2</sup>	MC			10	10	12	12			11	11	11	11			6	6	5	5		
		CR			2	5	5	14			4	11	4	12			4	12	2	5		

<sup>1</sup> Removed one MC item from calibration in CS2

<sup>2</sup> Removed one MC item from calibration in CS1/6

**Table 6. Configuration of 2006 CSAP Science Assessments by Grade, Content Standard, Sub-Content Area, and Item Type**

Grade	Content Area	Item Type	Content Standard							
			1/6		2/5		3/5		4/5	
			No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.
5	Science	MC	20	20	12	12	10	10	15	15
		CR	7	11	3	5	5	10	3	5
8	Science <sup>1</sup>	MC	16	16	15	15	14	14	13	13
		CR	11	19	4	7	4	6	4	9
10	Science <sup>2</sup>	MC	19	19	15	15	14	14	10	10
		CR	9	15	3	6	4	8	7	11

Grade	Content Area	Item Type	Sub-Content Area															
			1		2		3		4		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.	No. of Items	Total Pts.	No. of Items	Total Pts.
5	Science	MC	7	7	9	9												
		CR	6	10	1	1												
8	Science <sup>1</sup>	MC	8	8	5	5	8	8	5	5	5	5	8	8	6	6	5	5
		CR	6	10	4	8	1	2	3	5	3	5	1	1	2	4	2	5
10	Science <sup>2</sup>	MC	10	10	5	5	6	6	9	9	7	7	7	7	5	5	5	5
		CR	3	5	5	9	2	4	1	2	2	4	2	4	5	7	2	4

<sup>1</sup> Removed two MC items from calibration in CS3/5 – SA6 and CS3/5

<sup>2</sup> Removed two MC items from calibration in CS4/5 – SA8 and CS2/5 – SA3

**Table 7. Lowest and Highest Obtainable Scale Scores for the 2006 CSAP Assessments**

<b>Grade</b>	<b>Content Area</b>	<b>LOSS</b>	<b>HOSS</b>
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
3	Mathematics	150	700
4	Mathematics	180	780
5	Mathematics	220	800
6	Mathematics	240	830
7	Mathematics	280	860
8	Mathematics	310	890
9	Mathematics	340	920
10	Mathematics	370	950
5	Science	300	790
8	Science	300	790
10	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	26655	561	72.9	567
		Male	27582	547	79.9	557
		Total	54239	554	76.8	562
Reading	4	Female	27205	596	58.3	602
		Male	28439	583	64.7	592
		Total	55647	589	62.0	597
Reading	5	Female	27263	620	66.6	626
		Male	28722	605	72.9	616
		Total	55990	612	70.3	621
Reading	6	Female	27529	630	61.9	635
		Male	28815	616	70.0	625
		Total	56347	623	66.5	631
Reading	7	Female	27929	644	62.9	648
		Male	29379	627	69.9	637
		Total	57310	635	67.1	642
Reading	8	Female	28482	658	60.9	666
		Male	29569	641	67.9	650
		Total	58059	650	65.1	658
Reading	9	Female	28687	668	56.3	673
		Male	30150	649	66.2	659
		Total	58840	658	62.3	666
Reading	10	Female	26537	693	56.8	698
		Male	27226	674	66.1	684
		Total	53765	683	62.4	691
Spanish Reading	3	Female	875	531	41.7	531
		Male	838	515	48.4	517
		Total	1713	523	45.8	524
Spanish Reading	4	Female	239	524	48.0	530
		Male	235	518	45.8	522
		Total	474	521	46.9	526
Writing	3	Female	26747	476	53.8	474
		Male	27698	460	52.7	461
		Total	54450	468	53.7	467
Writing	4	Female	27196	493	52.2	493
		Male	28441	476	49.9	477
		Total	55640	484	51.8	485
Writing	5	Female	27204	521	60.5	522
		Male	28591	501	58.0	503
		Total	55800	511	60.1	512
Writing	6	Female	27475	539	62.6	539
		Male	28619	512	62.9	515
		Total	56097	525	64.1	527

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

Content Area	Grade	Group	N	Mean SS	SD	Median SS
Writing	7	Female	27941	561	69.6	562
		Male	29380	534	71.0	538
		Total	57323	547	71.6	549
Writing	8	Female	28504	574	71.3	577
		Male	29583	539	72.6	542
		Total	58095	556	74.1	559
Writing	9	Female	28679	581	76.3	582
		Male	30113	550	79.8	554
		Total	58795	565	79.6	568
Writing	10	Female	26555	597	79.0	599
		Male	27197	560	81.4	564
		Total	53754	578	82.3	581
Spanish Writing	3	Female	869	510	61.3	509
		Male	844	484	65.1	486
		Total	1713	497	64.4	498
Spanish Writing	4	Female	239	506	47.8	510
		Male	236	493	52.0	500
		Total	475	499	50.3	505
Mathematics	3	Female	27646	463	87.9	462
		Male	28581	466	90.7	466
		Total	56228	464	89.3	464
Mathematics	4	Female	27482	486	75.1	489
		Male	28731	491	76.3	494
		Total	56216	489	75.8	492
Mathematics	5	Female	27303	519	72.6	520
		Male	28782	520	76.2	523
		Total	56091	520	74.5	521
Mathematics	6	Female	27577	529	73.6	532
		Male	28922	529	78.4	534
		Total	56501	529	76.1	533
Mathematics	7	Female	27991	544	72.7	548
		Male	29471	543	78.5	550
		Total	57467	544	75.8	549
Mathematics	8	Female	28548	562	71.6	567
		Male	29650	563	79.0	570
		Total	58203	562	75.5	568
Mathematics	9	Female	28848	575	68.2	581
		Male	30308	576	77.2	584
		Total	59159	576	72.9	583
Mathematics	10	Female	26658	586	69.5	592
		Male	27383	586	77.4	597
		Total	54048	586	73.6	595

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

<b>Content Area</b>	<b>Grade</b>	<b>Group</b>	<b>N</b>	<b>Mean SS</b>	<b>SD</b>	<b>Median SS</b>
Science	5	Female	27252	546	55.3	550
		Male	28741	550	57.6	554
		Total	56019	548	56.6	552
Science	8	Female	28455	498	57.0	503
		Male	29537	502	64.0	510
		Total	58000	500	60.7	507
Science	10	Female	26643	498	57.9	505
		Male	27403	504	65.4	515
		Total	54047	501	61.9	510

**Table 9. Scale Score Descriptive Statistics by Content Standard**

Content Area	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	554	76.8	562															554	76.8	562			
Reading	4	593	72.6	597					588	93.2	600			584	102.6	597			591	81.5	595	589	62.0	597
Reading	5	622	95.3	619					612	94.8	622			619	97.2	622			612	93.1	620	612	70.3	621
Reading	6	625	76.9	630					631	93.7	630			631	100.7	631			618	94.7	630	623	66.5	631
Reading	7	632	77.1	641					638	82.1	644			644	100.8	644			639	89.6	643	635	67.1	642
Reading	8	649	73.1	657					653	85.9	660			649	88.1	658			649	80.0	656	650	65.1	658
Reading	9	659	68.9	666					660	89.6	666			660	85.5	667			653	80.7	666	658	62.3	666
Reading	10	685	67.5	691					685	79.9	691			688	84.7	691			680	83.3	690	683	62.4	691
Spanish Reading	3	523	45.8	524																		523	45.8	524
Spanish Reading	4	521	56.3	528					516	61.3	525			518	66.4	529			514	65.8	520	521	46.9	526
Writing	3				470	60.8	469	473	63.7	467												468	53.7	467
Writing	4				486	56.6	485	488	63.8	485												484	51.8	485
Writing	5				513	65.1	512	515	71.1	511												511	60.1	512
Writing	6				528	70.1	528	527	72.7	526												525	64.1	527
Writing	7				548	76.6	549	551	82.0	550												547	71.6	549
Writing	8				557	79.5	557	556	89.1	560												556	74.1	559
Writing	9				565	83.9	568	569	91.7	569												565	79.6	568
Writing	10				579	87.3	578	583	92.4	582												578	82.3	581
Spanish Writing	3				497	73.4	497	502	74.3	499												497	64.4	498
Spanish Writing	4				489	61.1	498	504	53.3	510												499	50.3	505
Mathematics	3	477	123.3	471	486	126.4	460				474	108.7	465						477	123.4	478	464	89.3	464
Mathematics	4	491	89.5	493	515	131.1	494	505	116.0	492	496	92.1	493						507	117.6	492	489	75.8	492
Mathematics	5	535	112.1	522	539	117.0	521	531	105.0	521	528	98.7	521						533	107.7	524	520	74.5	521
Mathematics	6	525	106.5	534	529	92.9	535	545	113.9	534	535	96.8	532						548	123.4	538	529	76.1	533
Mathematics	7	545	85.5	550	546	97.6	548	545	92.6	552	541	87.3	549									544	75.8	549
Mathematics	8	561	91.7	569	564	87.9	568	558	92.3	568	554	93.4	566									562	75.5	568
Mathematics	9	571	99.3	582	575	83.4	583	574	85.4	583	566	94.1	583									576	72.9	583
Mathematics	10	581	97.8	596	586	83.6	595	588	81.2	594	576	89.0	594									586	73.6	595
Science	5	550	64.0	552	551	71.6	552	552	70.4	551	554	73.8	552									548	56.6	552
Science	8	501	68.3	506	501	69.0	506	498	75.8	505	498	75.4	507									500	60.7	507
Science	10	503	68.8	510	497	77.1	509	498	72.1	508	501	74.4	510									501	61.9	510

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

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
Reading	3	556	85.7	563	550	109.4	561	565	113.6	568															554	76.8	562
Reading	4	590	66.0	597	591	92.3	597	644	162.6	596															589	62.0	597
Reading	5	613	79.7	621	614	91.3	620	658	171.5	620															612	70.3	621
Reading	6	623	75.1	631	629	100.9	629	631	107.8	634															623	66.5	631
Reading	7	653	115.1	643	632	76.6	642	635	127.2	645	637	91.5	643												635	67.1	642
Reading	8	682	139.5	657	649	71.8	658	654	112.5	663	635	105.3	656												650	65.1	658
Reading	9	657	79.9	667	662	78.5	665	643	124.9	667	652	93.0	665												658	62.3	666
Reading	10	684	80.0	692	685	74.2	690	684	107.3	692	677	93.0	691												683	62.4	691
Spanish Reading	3	524	54.1	526	522	60.8	525	525	70.5	526															523	45.8	524
Spanish Reading	4	519	52.3	525	517	61.8	525	527	85.0	533															521	46.9	526
Writing	3										472	63.2	471				495	105.9	471	479	77.1	475			468	53.7	467
Writing	4										486	66.1	488	510	109.6	495	508	101.8	488	487	81.4	486			484	51.8	485
Writing	5										513	72.7	511	533	114.2	484	517	80.7	513	522	94.2	512			511	60.1	512
Writing	6										531	82.9	526	542	116.2	490	528	83.6	526	529	96.1	527			525	64.1	527
Writing	7										550	91.5	548	577	145.3	577	554	96.5	551	549	97.8	551			547	71.6	549
Writing	8										560	87.6	558	557	125.0	552	561	100.3	561	560	97.8	560			556	74.1	559
Writing	9										570	96.1	570	568	105.2	536	580	124.7	570	564	111.9	570			565	79.6	568
Writing	10										584	101.2	581	586	112.1	523	583	100.5	582	584	114.5	584			578	82.3	581
Spanish Writing	3										503	93.9	496				508	86.9	501	509	114.5	504			497	64.4	498
Spanish Writing	4										478	85.5	495	465	101.7	490	512	64.7	509	495	78.7	511			499	50.3	505
Mathematics	3																								464	89.3	464
Mathematics	4	492	93.5	492	507	119.2	489	500	114.4	485															489	75.8	492
Mathematics	5	533	108.3	522	561	144.9	520	537	114.7	523															520	74.5	521
Mathematics	6	535	126.9	535	530	101.5	533	537	109.9	533															529	76.1	533
Mathematics	7	528	110.5	549	549	117.7	549																		544	75.8	549
Mathematics	8	567	96.3	568	556	99.9	569	537	123.5	563															562	75.5	568
Mathematics	9	575	84.1	583	563	108.4	581																		576	72.9	583
Mathematics	10	585	83.1	594	598	108.2	600																		586	73.6	595
Science	5	552	71.2	553	570	104.8	551																		548	56.6	552
Science	8	505	82.2	506	515	102.1	507	507	86.7	513	489	93.5	512	494	88.7	504	501	98.0	512	496	89.6	508			500	60.7	507
Science	10	511	85.2	510	505	91.9	509	496	88.9	508	491	101.7	509	489	91.2	507	500	78.1	508	500	79.6	507			501	61.9	510

**Table 11. Raw Score Descriptive Statistics by Content Standard**

Content	Grade	Content Standard																				Total							
		1				2				3				4				5								6			
		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.	Mean	SD	Median	Mean % of Max.	Mean	SD	Median	Mean % of Max.
Reading	3	33	10.7	35	62.8																								
Reading	4	27	6.8	29	72.7					10	3.7	10	55.1	9	3.7	10	55.7	11	3.8	11	56.4	57	16.2	60	62.6				
Reading	5	22	5.9	24	74.9					12	3.9	12	59.2	13	4.0	14	67.3	11	4.0	12	52.2	59	16.1	63	64.4				
Reading	6	21	5.9	22	65.4					13	3.7	14	69.6	13	4.0	14	68.0	10	4.0	10	49.8	57	16.0	60	63.3				
Reading	7	16	5.7	16	53.0					13	3.8	14	63.7	13	3.9	14	68.0	13	4.0	13	63.2	55	15.7	57	60.9				
Reading	8	17	5.6	18	56.3					12	3.6	13	64.9	12	4.5	12	58.0	12	4.5	12	54.7	53	16.5	55	58.1				
Reading	9	21	6.4	22	62.9					13	4.2	14	66.4	13	4.2	13	63.6	10	3.9	10	51.3	57	17.3	60	61.3				
Reading	10	18	5.5	18	56.9					14	4.2	15	62.7	13	3.8	13	66.5	11	4.3	11	48.4	55	16.1	57	58.2				
Spanish Reading	3	30	9.0	31	59.2																								
Spanish Reading	4	22	7.5	23	59.0					8	3.1	8	46.5	9	3.3	9	48.5	7	3.2	7	43.6	46	15.3	46	51.5				
Writing	3					18	3.5	19	76.2	26	5.0	27	80.1																
Writing	4					25	5.3	26	70.6	24	5.7	25	72.9																
Writing	5					25	5.7	26	68.3	22	5.7	23	69.5																
Writing	6					23	5.5	24	65.0	23	6.2	24	67.7																
Writing	7					23	5.6	23	63.8	22	5.9	23	66.6																
Writing	8					23	5.3	24	66.4	18	6.0	19	59.7																
Writing	9					23	5.7	24	63.5	21	6.4	22	64.9																
Writing	10					24	5.4	25	66.9	21	5.9	22	64.3																
Spanish Writing	3					14	4.8	15	62.1	23	5.7	24	70.9																
Spanish Writing	4					14	5.6	14	41.7	18	6.2	18	52.5																
Mathematics	3	7	2.1	8	73.9	10	2.7	10	76.1					13	3.1	13	75.3					7	2.4	8	70.1	37	9.1	39	74.2
Mathematics	4	12	4.2	13	61.9	11	2.6	12	78.4	10	3.2	11	70.1	21	4.5	22	73.5					14	4.1	16	75.6	69	16.5	72	71.7
Mathematics	5	14	4.0	15	72.7	14	4.2	15	73.6	14	4.0	15	73.2	14	4.3	14	68.6					14	3.7	15	75.4	70	18.3	74	72.7
Mathematics	6	9	4.2	9	53.5	10	3.5	10	59.4	13	3.5	14	74.4	15	4.5	15	66.6					9	2.9	10	72.1	57	16.6	58	65.1
Mathematics	7	15	5.4	15	59.0	9	4.0	9	55.7	10	3.7	10	57.2	12	5.4	12	47.4									47	17.1	47	54.5
Mathematics	8	11	5.1	11	52.0	12	4.7	12	54.7	8	3.8	8	45.6	10	5.4	9	39.9									42	17.5	40	47.8
Mathematics	9	9	3.9	8	51.2	13	5.6	13	51.8	10	4.5	10	44.7	8	3.9	7	35.6									39	16.2	38	45.7
Mathematics	10	7	3.3	7	49.3	13	5.8	13	51.0	11	4.1	10	48.3	8	4.4	7	33.9									39	16.0	37	45.4
Science	5	20	5.6	21	65.0	11	2.8	11	65.7	14	3.2	14	69.6	14	3.3	15	71.4									59	13.3	61	67.7
Science	8	22	7.5	23	61.8	11	3.9	11	51.6	11	3.7	11	53.0	9	3.6	9	40.9									53	16.6	54	53.2
Science	10	20	6.6	21	59.0	10	4.2	9	46.6	9	4.0	9	42.2	10	3.9	10	46.4									49	16.5	50	49.8

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

Content Area	Grade	Sub-Content Area															
		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.
Reading	3	13	4.5	14	63.1	12	5.2	13	59.4	7	2.0	7	68.8				
Reading	4	28	8.4	29	61.7	12	3.6	13	64.0	8	2.1	8	75.9				
Reading	5	25	7.2	26	61.8	14	4.2	14	61.8	8	2.2	8	75.6				
Reading	6	23	6.7	24	60.1	12	4.4	13	64.7	8	2.7	9	64.3				
Reading	7	11	3.3	12	71.6	16	5.8	17	53.5	5	2.0	5	58.4	9	3.0	9	57.6
Reading	8	9	2.7	9	73.0	20	6.3	21	59.8	6	2.2	6	58.6	6	3.0	6	42.2
Reading	9	14	4.9	15	60.7	18	5.6	20	68.1	5	2.3	5	52.0	7	2.5	7	51.6
Reading	10	13	4.3	13	57.3	17	5.2	17	61.2	6	2.0	6	57.4	7	3.3	7	44.9
Spanish Reading	3	15	4.5	16	64.1	8	3.4	9	52.8	7	2.3	7	58.3				
Spanish Reading	4	17	6.7	17	48.5	13	4.7	13	52.4	7	2.3	7	64.4				
Writing	3																
Writing	4																
Writing	5																
Writing	6																
Writing	7																
Writing	8																
Writing	9																
Writing	10																
Spanish Writing	3																
Spanish Writing	4																
Mathematics	3																
Mathematics	4	11	3.6	12	64.4	12	3.0	13	76.3	7	2.2	7	66.1				
Mathematics	5	13	3.8	14	72.3	9	2.8	10	76.6	13	3.5	14	75.4				
Mathematics	6	7	3.1	7	60.2	8	2.8	8	61.0	7	2.7	8	61.7				
Mathematics	7	5	3.6	4	34.7	5	2.6	5	53.1								
Mathematics	8	9	3.7	9	55.9	8	3.5	8	49.7	5	3.5	4	32.5				
Mathematics	9	10	4.9	10	46.4	7	3.6	6	44.0								
Mathematics	10	9	3.9	9	47.8	5	2.2	5	52.5								
Science	5	10	3.3	11	60.3	7	2.0	8	73.7								
Science	8	11	4.1	11	61.2	9	3.1	9	66.4	6	2.0	6	59.2	4	2.0	4	40.0
Science	10	10	3.2	11	66.4	8	3.2	8	54.8	5	2.1	5	47.2	5	2.6	5	46.1

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

Content Area	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.
Reading	3																	33	10.7	35	62.8
Reading	4																	57	16.2	60	62.6
Reading	5																	59	16.1	63	64.4
Reading	6																	57	16.0	60	63.3
Reading	7																	55	15.7	57	60.9
Reading	8																	53	16.5	55	58.1
Reading	9																	57	17.3	60	61.3
Reading	10																	55	16.1	57	58.2
Spanish Reading	3																	30	9.0	31	59.2
Spanish Reading	4																	46	15.3	46	51.5
Writing	3	15	2.8	16	76.6					13	2.9	14	80.6	10	2.2	11	76.6	44	8.0	46	78.4
Writing	4	9	2.7	10	59.2	9	1.7	9	78.3	13	2.7	14	80.6	9	3.4	9	61.5	49	10.4	51	71.7
Writing	5	10	2.5	10	62.2	8	2.1	7	70.1	16	4.3	17	71.6	9	2.9	10	65.4	47	10.8	49	68.9
Writing	6	11	2.7	11	62.0	8	1.8	7	70.5	15	4.5	16	66.7	11	3.6	12	65.8	46	11.1	48	66.3
Writing	7	10	2.8	11	61.5	8	1.7	9	76.3	14	4.2	14	66.4	10	3.2	10	61.0	45	10.9	46	65.1
Writing	8	13	3.3	13	64.2	6	1.4	6	66.9	10	3.1	11	63.5	12	4.3	12	60.2	42	10.6	43	63.3
Writing	9	12	3.1	12	65.5	7	1.5	7	67.1	12	3.7	12	68.4	10	3.6	10	58.5	44	11.5	46	64.2
Writing	10	12	3.0	12	65.9	8	1.5	7	70.5	15	4.3	16	64.4	9	3.0	9	61.7	45	10.7	47	65.6
Spanish Writing	3	9	4.0	10	60.7					14	3.4	15	72.1	6	2.5	7	64.7	38	9.9	39	67.2
Spanish Writing	4	5	3.2	5	30.2	5	2.8	6	47.6	11	3.9	11	58.1	6	2.9	6	45.1	33	10.8	32	47.2
Mathematics	3																	37	9.1	39	74.2
Mathematics	4																	69	16.5	72	71.7
Mathematics	5																	70	18.3	74	72.7
Mathematics	6																	57	16.6	58	65.1
Mathematics	7																	47	17.1	47	54.5
Mathematics	8																	42	17.5	40	47.8
Mathematics	9																	39	16.2	38	45.7
Mathematics	10																	39	16.0	37	45.4
Science	5																	59	13.3	61	67.7
Science	8	5	2.3	5	49.3	5	1.7	5	54.1	4	1.9	4	41.9	3	1.9	3	34.5	53	16.6	54	53.2
Science	10	4	2.2	4	39.2	5	2.2	5	45.1	5	2.2	5	41.8	5	2.1	5	52.5	49	16.5	50	49.8



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

**Grade 3 Reading**

	SA 1/4	SA 2	SA 3	Total
CS 1	0.910	0.867	0.764	1.000
SA 1/4		0.711	0.621	0.910
SA 2			0.607	0.867
SA 3				0.764

**Grade 3 Spanish Reading**

	SA 1/4	SA 2	SA 3	Total
CS 1	0.911	0.802	0.765	1.000
SA 1/4		0.628	0.601	0.911
SA 2			0.562	0.802
SA 3				0.765

**Grade 4 Reading**

	CS 4	CS 5	CS 6	SA 1/4	SA 2	SA 3	Total
CS 1	0.664	0.662	0.706	0.860	0.760	0.691	0.892
CS 4		0.591	0.642	0.810	0.674	0.498	0.798
CS 5			0.637	0.693	0.621	0.512	0.786
CS 6				0.830	0.718	0.573	0.844
SA 1/4					0.731	0.594	0.951
SA 2						0.502	0.813
SA 3							0.673

**Grade 4 Spanish Reading**

	CS 4	CS 5	CS 6	SA 1/4	SA 2	SA 3	Total
CS 1	0.670	0.700	0.666	0.829	0.820	0.684	0.894
CS 4		0.588	0.572	0.796	0.695	0.513	0.787
CS 5			0.635	0.720	0.711	0.477	0.823
CS 6				0.792	0.675	0.520	0.796
SA 1/4					0.725	0.580	0.933
SA 2						0.546	0.860
SA 3							0.664

**Grade 5 Reading**

	CS 4	CS 5	CS 6	SA 1/4	SA 2	SA 3	Total
CS 1	0.666	0.664	0.671	0.791	0.751	0.741	0.852
CS 4		0.665	0.692	0.815	0.802	0.550	0.848
CS 5			0.663	0.711	0.682	0.566	0.838
CS 6				0.866	0.739	0.541	0.851
SA 1/4					0.747	0.593	0.930
SA 2						0.558	0.865
SA 3							0.695

**Grade 6 Reading**

	CS 4	CS 5	CS 6	SA 1/4	SA 2	SA 3	Total
CS 1	0.699	0.697	0.734	0.837	0.767	0.824	0.927
CS 4		0.605	0.636	0.772	0.757	0.588	0.804
CS 5			0.621	0.676	0.609	0.607	0.812
CS 6				0.879	0.643	0.601	0.833
SA 1/4					0.685	0.651	0.918
SA 2						0.575	0.801
SA 3							0.775

**Grade 7 Reading**

	CS 4	CS 5	CS 6	SA 1	SA 2	SA 3	SA 4	Total
CS 1	0.760	0.684	0.734	0.676	0.903	0.739	0.726	0.920
CS 4		0.652	0.701	0.682	0.863	0.577	0.719	0.876
CS 5			0.642	0.566	0.677	0.568	0.613	0.804
CS 6				0.735	0.743	0.575	0.807	0.850
SA 1					0.646	0.503	0.577	0.756
SA 2						0.600	0.699	0.915
SA 3							0.554	0.712
SA 4								0.809

**Grade 8 Reading**

	CS 4	CS 5	CS 6	SA 1	SA 2	SA 3	SA 4	Total
CS 1	0.748	0.731	0.770	0.624	0.920	0.773	0.670	0.932
CS 4		0.677	0.690	0.584	0.854	0.616	0.625	0.842
CS 5			0.687	0.556	0.736	0.596	0.608	0.833
CS 6				0.735	0.787	0.607	0.777	0.872
SA 1					0.614	0.508	0.512	0.700
SA 2						0.647	0.665	0.937
SA 3							0.516	0.739
SA 4								0.749

**Grade 9 Reading**

	CS 4	CS 5	CS 6	SA 1	SA 2	SA 3	SA 4	Total
CS 1	0.740	0.738	0.761	0.806	0.845	0.708	0.695	0.931
CS 4		0.677	0.696	0.769	0.808	0.545	0.631	0.841
CS 5			0.675	0.697	0.691	0.549	0.602	0.840
CS 6				0.862	0.723	0.533	0.745	0.860
SA 1					0.724	0.548	0.637	0.880
SA 2						0.551	0.622	0.870
SA 3							0.501	0.670
SA 4								0.752

**Grade 10 Reading**

	CS 4	CS 5	CS 6	SA 1	SA 2	SA 3	SA 4	Total
CS 1	0.754	0.705	0.720	0.805	0.863	0.752	0.668	0.918
CS 4		0.649	0.712	0.793	0.868	0.568	0.644	0.872
CS 5			0.621	0.639	0.674	0.553	0.582	0.809
CS 6				0.779	0.723	0.545	0.866	0.849
SA 1					0.724	0.549	0.629	0.863
SA 2						0.576	0.647	0.898
SA 3							0.533	0.700
SA 4								0.776

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

**Grade 3 Writing**

	CS 3	SA 5	SA 7	SA 8	Total
CS 2	0.689	0.932	0.583	0.584	0.900
CS 3		0.639	0.867	0.820	0.916
SA 5			0.517	0.538	0.837
SA 7				0.556	0.798
SA 8					0.767

**Grade 6 Writing**

	CS 3	SA 5	SA 6	SA 7	SA 8	Total
CS 2	0.751	0.859	0.718	0.736	0.703	0.931
CS 3		0.650	0.484	0.912	0.830	0.931
SA 5			0.501	0.620	0.563	0.802
SA 6				0.422	0.408	0.637
SA 7					0.676	0.877
SA 8						0.820

**Grade 3 Spanish Writing**

	CS 3	SA 5	SA 7	SA 8	Total
CS 2	0.742	0.905	0.626	0.578	0.932
CS 3		0.658	0.892	0.801	0.921
SA 5			0.514	0.502	0.841
SA 7				0.554	0.803
SA 8					0.735

**Grade 7 Writing**

	CS 3	SA 5	SA 6	SA 7	SA 8	Total
CS 2	0.773	0.858	0.717	0.729	0.752	0.945
CS 3		0.660	0.495	0.911	0.857	0.929
SA 5			0.509	0.610	0.605	0.808
SA 6				0.443	0.442	0.647
SA 7					0.702	0.864
SA 8						0.850

**Grade 4 Writing**

	CS 3	SA 5	SA 6	SA 7	SA 8	Total
CS 2	0.723	0.872	0.705	0.600	0.651	0.926
CS 3		0.634	0.463	0.769	0.892	0.907
SA 5			0.492	0.516	0.584	0.810
SA 6				0.358	0.418	0.619
SA 7					0.567	0.740
SA 8						0.822

**Grade 8 Writing**

	CS 3	SA 5	SA 6	SA 7	SA 8	Total
CS 2	0.752	0.919	0.747	0.724	0.735	0.933
CS 3		0.707	0.465	0.873	0.901	0.919
SA 5			0.538	0.661	0.670	0.868
SA 6				0.427	0.441	0.638
SA 7					0.713	0.850
SA 8						0.875

**Grade 4 Spanish Writing**

	CS 3	SA 5	SA 6	SA 7	SA 8	Total
CS 2	0.667	0.760	0.842	0.538	0.459	0.877
CS 3		0.538	0.531	0.823	0.636	0.923
SA 5			0.490	0.484	0.406	0.697
SA 6				0.365	0.329	0.707
SA 7					0.405	0.771
SA 8						0.606

**Grade 9 Writing**

	CS 3	SA 5	SA 6	SA 7	SA 8	Total
CS 2	0.794	0.913	0.765	0.714	0.724	0.956
CS 3		0.714	0.583	0.878	0.877	0.928
SA 5			0.615	0.636	0.644	0.868
SA 6				0.489	0.505	0.718
SA 7					0.672	0.829
SA 8						0.832

**Grade 5 Writing**

	CS 3	SA 5	SA 6	SA 7	SA 8	Total
CS 2	0.742	0.874	0.752	0.729	0.666	0.941
CS 3		0.655	0.517	0.889	0.835	0.911
SA 5			0.545	0.609	0.577	0.825
SA 6				0.454	0.444	0.685
SA 7					0.634	0.852
SA 8						0.800

**Grade 10 Writing**

	CS 3	SA 5	SA 6	SA 7	SA 8	Total
CS 2	0.773	0.899	0.781	0.746	0.747	0.942
CS 3		0.685	0.552	0.959	0.842	0.936
SA 5			0.571	0.660	0.623	0.843
SA 6				0.504	0.479	0.707
SA 7					0.738	0.899
SA 8						0.843

**Table 15. Mathematics Scale Score Correlations by Content Standard and Sub-Content Area**

**Grade 3 Mathematics**

	CS 2/3	CS 4/5	CS 6	Total
CS 1	0.606	0.616	0.599	0.798
CS 2/3		0.661	0.611	0.841
CS 4/5			0.625	0.871
CS 6				0.824

**Grade 7 Mathematics**

	CS 2	CS 3	CS 4/5	SA 1	SA 2	Total
CS 1/6	0.782	0.776	0.795	0.789	0.702	0.929
CS 2		0.741	0.757	0.697	0.662	0.886
CS 3			0.753	0.762	0.678	0.881
CS 4/5				0.740	0.781	0.905
SA 1					0.628	0.827
SA 2						0.777

**Grade 4 Mathematics**

	CS 2	CS 3	CS 4/5	CS 6	SA 1	SA 2	SA 3	Total
CS 1	0.637	0.669	0.706	0.692	0.937	0.661	0.613	0.899
CS 2		0.575	0.612	0.598	0.626	0.912	0.534	0.763
CS 3			0.653	0.612	0.657	0.594	0.562	0.801
CS 4/5				0.648	0.694	0.630	0.853	0.866
CS 6					0.716	0.693	0.571	0.828
SA 1						0.650	0.600	0.881
SA 2							0.553	0.793
SA 3								0.748

**Grade 8 Mathematics**

	CS 2	CS 3	CS 4/5	SA 1	SA 2	SA 3	Total
CS 1/6	0.768	0.754	0.732	0.733	0.794	0.652	0.894
CS 2		0.758	0.736	0.958	0.736	0.654	0.914
CS 3			0.718	0.725	0.787	0.638	0.881
CS 4/5				0.702	0.744	0.852	0.863
SA 1					0.697	0.624	0.874
SA 2						0.624	0.846
SA 3							0.762

**Grade 5 Mathematics**

	CS 2	CS 3	CS 4/5	CS 6	SA 1	SA 2	SA 3	Total
CS 1	0.648	0.627	0.679	0.675	0.867	0.585	0.587	0.848
CS 2		0.626	0.655	0.651	0.650	0.841	0.603	0.811
CS 3			0.660	0.633	0.634	0.567	0.922	0.814
CS 4/5				0.662	0.694	0.592	0.623	0.862
CS 6					0.751	0.582	0.596	0.841
SA 1						0.589	0.594	0.852
SA 2							0.540	0.730
SA 3								0.768

**Grade 9 Mathematics**

	CS 2	CS 3	CS 4/5	SA 1	SA 2	Total
CS 1/6	0.753	0.716	0.642	0.744	0.824	0.849
CS 2		0.800	0.693	0.960	0.714	0.937
CS 3			0.669	0.824	0.685	0.906
CS 4/5				0.687	0.657	0.785
SA 1					0.704	0.932
SA 2						0.804

**Grade 6 Mathematics**

	CS 2	CS 3	CS 4/5	CS 6	SA 1	SA 2	SA 3	Total
CS 1	0.719	0.671	0.725	0.652	0.824	0.680	0.668	0.865
CS 2		0.682	0.734	0.659	0.689	0.920	0.674	0.878
CS 3			0.689	0.618	0.644	0.682	0.640	0.825
CS 4/5				0.658	0.700	0.692	0.919	0.887
CS 6					0.691	0.620	0.610	0.794
SA 1						0.648	0.647	0.826
SA 2							0.634	0.829
SA 3								0.818

**Grade 10 Mathematics**

	CS 2	CS 3	CS 4/5	SA 1	SA 2	Total
CS 1/6	0.760	0.732	0.681	0.738	0.617	0.854
CS 2		0.804	0.731	0.922	0.668	0.931
CS 3			0.713	0.831	0.838	0.910
CS 4/5				0.720	0.599	0.830
SA 1					0.654	0.915
SA 2						0.757

**Table 16. Science Scale Score Correlations by Content Standard and Sub-Content Area****Grade 5 Science**

	CS 2/5	CS 3/5	CS 4/5	SA 1	SA 2	Total
CS 1/6	0.721	0.709	0.695	0.928	0.778	0.931
CS 2/5		0.659	0.649	0.663	0.584	0.843
CS 3/5			0.670	0.654	0.566	0.851
CS 4/5				0.637	0.558	0.834
SA 1					0.598	0.862
SA 2						0.739

**Grade 8 Science**

	CS 2/5	CS 3/5	CS 4/5	SA 1	SA 2	SA 3	SA 4	SA 5	SA 6	SA 7	SA 8	Total
CS 1/6	0.769	0.727	0.719	0.914	0.790	0.649	0.603	0.662	0.550	0.630	0.588	0.931
CS 2/5		0.721	0.726	0.703	0.600	0.844	0.777	0.650	0.565	0.632	0.590	0.893
CS 3/5			0.693	0.668	0.564	0.604	0.567	0.900	0.728	0.603	0.568	0.853
CS 4/5				0.655	0.561	0.614	0.564	0.623	0.544	0.866	0.801	0.846
SA 1					0.615	0.591	0.559	0.612	0.508	0.573	0.541	0.849
SA 2						0.512	0.470	0.517	0.426	0.495	0.460	0.731
SA 3							0.509	0.547	0.472	0.539	0.497	0.754
SA 4								0.523	0.444	0.488	0.467	0.698
SA 5									0.505	0.542	0.515	0.775
SA 6										0.471	0.448	0.651
SA 7											0.507	0.737
SA 8												0.690

**Grade 10 Science**

	CS 2/5	CS 3/5	CS 4/5	SA 1	SA 2	SA 3	SA 4	SA 5	SA 6	SA 7	SA 8	Total
CS 1/6	0.736	0.747	0.725	0.888	0.855	0.636	0.620	0.616	0.691	0.658	0.647	0.922
CS 2/5		0.700	0.701	0.643	0.637	0.841	0.813	0.584	0.650	0.637	0.631	0.855
CS 3/5			0.730	0.650	0.642	0.593	0.610	0.793	0.916	0.666	0.654	0.869
CS 4/5				0.628	0.619	0.590	0.608	0.606	0.678	0.893	0.883	0.870
SA 1					0.651	0.559	0.547	0.541	0.603	0.572	0.562	0.803
SA 2						0.549	0.539	0.535	0.592	0.566	0.552	0.790
SA 3							0.525	0.490	0.558	0.536	0.531	0.729
SA 4								0.525	0.565	0.562	0.548	0.728
SA 5									0.571	0.561	0.543	0.717
SA 6										0.619	0.608	0.804
SA 7											0.641	0.789
SA 8												0.778

**Table 17. 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	0.89						0.89
Reading	4	0.85			0.68	0.70	0.71	0.92
Reading	5	0.86			0.73	0.76	0.68	0.93
Reading	6	0.80			0.75	0.79	0.70	0.93
Reading	7	0.81			0.73	0.78	0.73	0.93
Reading	8	0.82			0.75	0.73	0.78	0.93
Reading	9	0.83			0.77	0.78	0.71	0.93
Reading	10	0.79			0.71	0.73	0.71	0.92
Spanish Reading	3	0.86						0.86
Spanish Reading	4	0.85			0.67	0.61	0.59	0.91
Writing	3		0.81	0.86				0.91
Writing	4		0.84	0.86				0.91
Writing	5		0.84	0.86				0.92
Writing	6		0.83	0.86				0.91
Writing	7		0.84	0.85				0.91
Writing	8		0.84	0.86				0.92
Writing	9		0.87	0.86				0.93
Writing	10		0.85	0.85				0.91
Spanish Writing	3		0.83	0.84				0.91
Spanish Writing	4		0.76	0.82				0.88
Mathematics	3	0.65	0.72		0.71		0.69	0.90
Mathematics	4	0.78	0.65	0.72	0.76		0.80	0.94
Mathematics	5	0.80	0.77	0.76	0.78		0.78	0.94
Mathematics	6	0.76	0.71	0.77	0.80		0.75	0.94
Mathematics	7	0.80	0.77	0.72	0.80			0.93
Mathematics	8	0.79	0.81	0.73	0.77			0.93
Mathematics	9	0.77	0.82	0.79	0.72			0.93
Mathematics	10	0.67	0.81	0.73	0.77			0.93
Science	5	0.83	0.67	0.71	0.69			0.92
Science	8	0.85	0.75	0.73	0.69			0.93
Science	10	0.83	0.75	0.75	0.75			0.93

**Table 18. 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	0.77	0.77	0.60					
Reading	4	0.86	0.68	0.71					
Reading	5	0.85	0.74	0.70					
Reading	6	0.82	0.74	0.70					
Reading	7	0.72	0.82	0.62	0.62				
Reading	8	0.73	0.84	0.68	0.64				
Reading	9	0.77	0.83	0.64	0.62				
Reading	10	0.73	0.78	0.54	0.63				
Spanish Reading	3	0.79	0.59	0.59					
Spanish Reading	4	0.82	0.76	0.64					
Writing	3					0.80		0.77	0.71
Writing	4					0.68	0.71	0.73	0.78
Writing	5					0.67	0.68	0.83	0.75
Writing	6					0.66	0.74	0.82	0.77
Writing	7					0.68	0.74	0.80	0.74
Writing	8					0.74	0.74	0.75	0.81
Writing	9					0.79	0.74	0.81	0.76
Writing	10					0.75	0.74	0.80	0.72
Spanish Writing	3					0.86		0.75	0.72
Spanish Writing	4					0.58	0.83	0.77	0.67
Mathematics	3*								
Mathematics	4	0.78	0.69	0.48					
Mathematics	5	0.80	0.67	0.73					
Mathematics	6	0.71	0.66	0.64					
Mathematics	7	0.71	0.63						
Mathematics	8	0.78	0.70	0.66					
Mathematics	9	0.84	0.75						
Mathematics	10	0.78	0.55						
Science	5	0.72	0.63						
Science	8	0.78	0.64	0.54	0.59	0.62	0.45	0.49	0.47
Science	10	0.74	0.63	0.52	0.67	0.60	0.61	0.62	0.56

\* No sub-content for this grade/content

**Table 19. Multiple-Choice Item Analyses, Grade 3 Reading**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
2	1	1	1	0.46	0.8	0.73	21	2	1	3	0.43	0.1	0.84
3	1	1	1	0.29	0.1	0.92	23	2	1	2	0.33	1.0	0.25
4	1	1	1	0.25	0.2	0.96	25	2	1	3	0.23	0.5	0.46
5	1	1	3	0.45	0.1	0.80	26	2	1	3	0.15	0.5	0.29
6	1	1	3	0.34	0.3	0.91	28	2	1	1	0.52	0.2	0.69
9	1	1	2	0.52	0.3	0.73	29	2	1	1	0.51	0.4	0.73
10	1	1	2	0.42	0.5	0.58	30	2	1	1	0.41	1.5	0.57
11	1	1	3	0.53	0.4	0.76	31	2	1	1	0.47	0.4	0.85
12	1	1	3	0.30	0.5	0.76	32	2	1	3	0.42	0.8	0.77
13	1	1	1	0.49	0.8	0.77	34	2	1	2	0.46	0.9	0.81
15	1	1	1	0.38	1.1	0.56	35	2	1	2	0.58	0.6	0.75
16	1	1	1	0.51	1.5	0.77	36	2	1	2	0.53	0.8	0.79
17	1	1	3	0.42	1.6	0.59	37	2	1	2	0.23	1.2	0.55
18	1	1	3	0.48	1.7	0.70	38	2	1	2	0.33	0.9	0.64
19	2	1	1	0.48	0.1	0.65	39	2	1	2	0.49	1.1	0.56
20	2	1	1	0.47	0.1	0.84	40	2	1	2	0.50	1.1	0.81

Mean Item-Total Corr.: 0.42, Mean p-value: 0.70

**Table 20. Constructed-Response Item Analyses, Grade 3 Reading**

Item #	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value
					0	1	2	3	4		
1	1	1	1	0.56	46.14	12.66	17.02	23.40		0.8	0.39
7	1	1	1	0.50	13.83	40.86	44.47			0.8	0.65
8	1	1	2	0.66	28.03	23.84	46.20			1.9	0.58
14	1	1	1	0.57	48.07	19.08	29.85			3.0	0.39
22	2	1	2	0.58	40.32	8.47	11.90	38.48		0.8	0.49
24	2	1	2	0.61	39.47	4.49	19.31	35.47		1.3	0.50
27	2	1	1	0.53	37.39	28.44	33.04			1.1	0.47
33	2	1	2	0.70	18.41	14.89	23.25	41.79		1.7	0.62

Mean Item-Total Corr.: 0.59, Mean p-value: 0.51

**Table 21. Multiple-Choice Item Analyses, Grade 3 Spanish Reading**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
3	1	1	2	0.20	0.2	0.19	21	2	1	1	0.39	0.4	0.94
4	1	1	2	0.33	0.1	0.63	22	2	1	1	0.39	0.1	0.66
5	1	1	3	0.22	0.4	0.30	23	2	1	1	0.47	0.1	0.85
6	1	1	3	0.18	0.5	0.20	24	2	1	3	0.42	0.2	0.87
7	1	1	1	0.26	0.4	0.24	27	2	1	2	0.33	0.9	0.87
9	1	1	3	0.33	0.5	0.47	28	2	1	3	0.47	0.2	0.74
10	1	1	3	0.36	0.6	0.61	29	2	1	3	0.27	0.3	0.77
11	1	1	1	0.43	0.6	0.67	30	2	1	2	0.37	0.5	0.54
12	1	1	1	0.31	0.9	0.50	31	2	1	2	0.44	1.4	0.59
13	1	1	1	0.26	1.2	0.29	33	2	1	2	0.39	0.6	0.61
14	1	1	1	0.15	0.9	0.37	34	2	1	2	0.06	0.8	0.24
15	1	1	3	0.44	1.2	0.77	35	2	1	3	0.11	0.8	0.33
16	1	1	1	0.40	1.8	0.84	37	2	1	1	0.53	1.0	0.77
18	1	1	1	0.44	3.2	0.77	38	2	1	3	0.44	1.3	0.64
19	1	1	1	0.48	2.9	0.78	39	2	1	1	0.46	1.3	0.59
20	1	1	3	0.47	2.9	0.72	40	2	1	3	0.37	1.1	0.57

Mean Item-Total Corr.: 0.35, Mean p-value: 0.59

**Table 22. Constructed-Response Item Analyses, Grade 3 Spanish Reading**

Item #	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value
					0	1	2	3	4		
1	1	1	2	0.56	30.88	8.99	22.07	37.19		0.9	0.55
2	1	1	2	0.64	24.34	6.89	9.92	57.33		1.5	0.66
8	1	1	1	0.59	22.94	28.14	48.16			0.8	0.62
17	1	1	1	0.54	9.28	9.81	78.34			2.6	0.83
25	2	1	1	0.56	12.43	29.25	57.62			0.7	0.72
26	2	1	1	0.46	45.01	28.60	24.99			1.4	0.39
32	2	1	2	0.52	29.07	33.80	30.12	6.01		1.0	0.37
36	2	1	1	0.61	17.81	30.59	50.20			1.4	0.65

Mean Item-Total Corr.: 0.56, Mean p-value: 0.60



**Table 23. Multiple-Choice Item Analyses, Grade 3 Writing**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
1	1	3	8	0.43	0.1	0.77	21	2	3	7	0.47	0.0	0.59
2	1	3	8	0.41	0.1	0.82	22	2	3	7	0.42	0.0	0.90
3	1	3	8	0.39	0.1	0.64	23	2	3	7	0.39	0.4	0.95
4	1	3	8	0.48	0.3	0.87	24	2	3	7	0.44	0.4	0.82
6	1	3	7	0.35	0.2	0.84	25	2	3	7	0.43	0.7	0.70
7	1	3	7	0.33	0.3	0.79	26	2	3	7	0.50	1.9	0.73
8	1	3	7	0.43	0.5	0.86	27	2	3	7	0.41	0.1	0.67
9	1	3	7	0.36	0.2	0.76	28	2	2	5	0.47	0.2	0.66
10	1	3	7	0.42	0.3	0.89	29	2	3	8	0.46	0.2	0.91
11	1	3	7	0.46	0.5	0.82	31	2	2	5	0.48	0.1	0.80
13	1	2		0.40	0.1	0.91	32	2	2	5	0.37	0.1	0.83
14	1	2		0.35	0.2	0.74	33	2	2	5	0.44	0.2	0.90
15	1	2		0.46	0.3	0.90	34	2	3	8	0.25	0.1	0.92
16	1	2		0.47	0.5	0.63	35	2	3	8	0.36	0.1	0.91
17	1	2		0.44	0.5	0.89	36	2	3	8	0.41	0.3	0.84
18	1	2		0.50	0.7	0.71	37	2	3	8	0.47	0.2	0.82
19	1	2		0.43	0.4	0.95	38	2	3	8	0.34	0.2	0.86
20	1	2	5	0.44	0.5	0.68							

Mean Item-Total Corr.: 0.42, Mean p-value: 0.81

**Table 24. Constructed-Response Item Analyses, Grade 3 Writing**

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value
						0	1	2	3	4		
5	A	1	3	7	0.41	6.81	93.02				0.2	0.93
5	B	1	3	7	0.54	27.67	72.17				0.2	0.72
5	C	1	3	7	0.56	9.60	90.23				0.2	0.90
5	D	1	3	8	0.16	94.35	5.48				0.2	0.05
5	E	1	3	8	0.47	16.84	82.99				0.2	0.83
5	F	1	3	8	0.50	28.97	70.87				0.2	0.71
12	A	1	2	5	0.28	1.66	94.22	3.88			0.2	0.51
12	B	1	2	5	0.32	1.93	97.83				0.2	0.98
12	C	1	2	5	0.52	17.21	82.55				0.2	0.83
12	D	1	3	5	0.41	4.25	95.51				0.2	0.96
30	A	2	2	5	0.42	2.55	77.19	19.85			0.4	0.58
30	B	2	2	5	0.38	2.83	96.75				0.4	0.97
30	C	2	2	5	0.53	12.84	86.74				0.4	0.87
30	D	2	3	5	0.47	6.83	92.75				0.4	0.93
39	A	2	2	5	0.40	5.61	81.09	12.94			0.4	0.53
39	B	2	2	5	0.35	5.94	93.69				0.4	0.94
39	C	2	2	5	0.53	17.58	82.05				0.4	0.82
39	D	2	3	5	0.45	9.47	90.17				0.4	0.90

Mean Item-Total Corr.: 0.43, Mean p-value: 0.78

**Table 25. Multiple-Choice Item Analyses, Grade 3 Spanish Writing**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
1	1	3	7	0.37	0.1	0.97	21	2	3	8	0.37	0.2	0.72
2	1	3	7	0.43	0.3	0.87	22	2	3	8	0.44	0.1	0.54
3	1	3	7	0.41	0.3	0.91	23	2	3	8	0.41	0.5	0.72
5	1	3	7	0.05	0.1	0.61	24	2	3	8	0.38	0.1	0.70
6	1	3	7	0.29	0.1	0.53	25	2	3	8	0.44	0.1	0.77
7	1	3	7	0.37	0.2	0.78	26	2	3	8	0.34	0.2	0.39
8	1	3	7	0.34	0.5	0.68	28	2	3	7	0.40	0.1	0.69
9	1	3	7	0.33	0.8	0.51	29	2	3	7	0.49	0.1	0.89
10	1	3	7	0.33	1.3	0.47	30	2	3	7	0.42	0.4	0.87
11	1	3	7	0.33	0.0	0.94	31	2	3	7	0.49	0.6	0.78
12	1	3	7	0.42	0.2	0.87	32	2	3	7	0.38	0.7	0.61
13	1	3	7	0.41	0.8	0.92	33	2	2		0.40	1.1	0.69
14	1	2		0.43	0.3	0.78	34	2	2		0.45	0.1	0.93
15	1	2		0.38	0.3	0.81	35	2	2		0.43	0.3	0.93
17	1	2		0.45	0.6	0.78	36	2	2		0.47	0.5	0.71
18	1	2		0.28	0.7	0.31	37	2	2		0.34	0.4	0.52
19	1	2		0.28	0.7	0.33	38	2	2		0.34	0.4	0.79
20	2	3	8	0.40	0.0	0.61							

Mean Item-Total Corr.: 0.38, Mean p-value: 0.71

**Table 26. Constructed-Response Item Analyses, Grade 3 Spanish Writing**

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value
						0	1	2	3	4		
4	A	1	3	8	0.45	21.66	77.47				0.9	0.77
4	B	1	3	7	0.39	75.42	23.70				0.9	0.24
4	C	1	3	8	0.48	34.79	64.33				0.9	0.64
4	D	1	3	8	0.47	39.81	59.31				0.9	0.59
4	E	1	3	7	0.49	48.51	50.55				0.9	0.51
4	F	1	3	7	0.38	22.07	77.06				0.9	0.77
16	A	1	2	5	0.56	12.61	51.78	35.08			0.5	0.61
16	B	1	2	5	0.48	30.94	68.53				0.5	0.69
16	C	1	2	5	0.56	36.89	62.58				0.5	0.63
16	D	1	3	5	0.50	13.89	85.58				0.5	0.86
27	A	2	2	5	0.54	25.86	51.78	22.01			0.4	0.48
27	B	2	2	5	0.58	41.10	58.55				0.4	0.59
27	C	2	2	5	0.58	45.71	53.94				0.4	0.54
27	D	2	3	5	0.49	21.66	77.99				0.4	0.78
39	A	2	2	5	0.56	23.99	48.86	26.50			0.6	0.51
39	B	2	2	5	0.51	44.31	55.05				0.6	0.55
39	C	2	2	5	0.56	50.38	48.98				0.6	0.49
39	D	2	3	5	0.48	19.09	80.27				0.6	0.80

Mean Item-Total Corr.: 0.50, Mean p-value: 0.61

**Table 27. Multiple-Choice Item Analyses, Grade 3 Mathematics**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
1	1	2		0.53	0.2	0.81	21	2	1		0.49	0.2	0.69
2	1	4		0.37	0.6	0.64	22	2	6		0.47	0.2	0.67
3	1	6		0.40	0.3	0.93	23	2	6		0.46	0.5	0.68
5	1	1		0.20	0.3	0.97	25	2	2		0.56	0.2	0.59
6	1	1		0.42	0.7	0.88	26	2	4		0.35	0.4	0.95
7	1	4		0.36	0.3	0.90	28	2	4		0.52	0.2	0.57
8	1	2		0.43	0.2	0.73	29	2	2		0.27	0.2	0.95
10	1	4		0.26	0.2	0.97	30	2	2		0.45	1.0	0.87
11	1	2		0.30	0.2	0.95	31	2	6		0.49	2.5	0.69
12	1	6		0.46	0.2	0.82	32	2	1		0.38	1.2	0.92
13	1	4		0.35	0.8	0.63	33	2	4		0.39	0.4	0.87
14	1	4		0.45	0.4	0.73	35	2	4		0.22	0.2	0.90
15	1	4		0.29	0.5	0.95	36	2	2		0.39	0.2	0.91
16	1	2		0.53	0.4	0.59	37	2	2		0.57	0.2	0.83
18	1	1		0.46	0.9	0.73	38	2	4		0.49	0.2	0.80
19	1	4		0.40	0.2	0.78	39	2	1		0.46	0.3	0.86

Mean Item-Total Corr.: 0.41, Mean p-value: 0.81

**Table 28. Constructed-Response Item Analyses, Grade 3 Mathematics**

Item #	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value
					0	1	2	3	4		
4	1	2		0.62	38.58	13.14	47.83			0.5	0.54
9	1	6		0.62	11.04	28.18	60.56			0.2	0.75
17	1	1		0.63	19.29	19.96	60.52			0.2	0.70
20	1	4		0.68	12.95	36.35	22.64	27.95		0.1	0.55
24	2	1		0.56	31.04	44.74	23.95			0.3	0.46
27	2	4		0.58	16.70	20.68	62.31			0.3	0.73
34	2	2		0.48	7.97	28.41	63.50			0.1	0.78
40	2	6		0.72	17.02	21.72	33.24	27.88		0.1	0.57

Mean Item-Total Corr.: 0.61, Mean p-value: 0.64

**Table 29. Multiple-Choice Item Analyses, Grade 4 Reading**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
5	3	1	1	0.45	0.4	0.53	40	4	6	1	0.49	0.5	0.80
6	3	1	1	0.23	0.8	0.59	41	4	6	1	0.37	0.3	0.57
7	3	1	1	0.38	2.1	0.90	42	4	6	1	0.45	0.4	0.89
8	3	4	1	0.43	0.4	0.67	43	4	1	1	0.47	0.5	0.70
9	3	6	3	0.41	0.4	0.95	45	4	4	1	0.30	0.5	0.84
10	3	1	3	0.49	0.7	0.82	46	4	4	1	0.51	0.7	0.60
11	3	5		0.36	0.2	0.76	47	4	4	1	0.41	0.9	0.81
12	3	5		0.52	0.2	0.81	48	4	1	3	0.48	1.0	0.58
13	3	5		0.41	1.2	0.60	49	4	1	3	0.38	0.7	0.56
15	3	1	2	0.28	0.4	0.61	50	4	1	3	0.45	0.6	0.83
16	3	1	2	0.15	0.6	0.33	51	4	5		0.26	0.9	0.38
18	3	5		0.35	1.7	0.83	52	4	5		0.28	1.3	0.40
19	3	5		0.46	0.8	0.53	96	6	6	3	0.45	0.8	0.67
20	3	5		0.39	1.0	0.48	98	6	1	1	0.46	0.1	0.85
22	3	5		0.23	1.2	0.45	99	6	4	1	0.52	0.5	0.77
23	3	6	1	0.41	1.8	0.58	100	6	5		0.31	0.5	0.73
25	3	1	3	0.46	1.7	0.75	101	6	6	1	0.48	0.6	0.91
26	3	1	3	0.50	1.6	0.65	102	6	6	1	0.31	3.3	0.60
28	4	1	1	0.43	0.4	0.81	104	6	1	2	0.42	0.2	0.89
29	4	1	1	0.27	0.2	0.94	105	6	1	2	0.51	0.4	0.87
30	4	1	1	0.25	0.3	0.96	106	6	1	2	0.49	0.9	0.85
31	4	1	3	0.43	0.2	0.87	107	6	1	2	0.30	0.4	0.64
32	4	1	3	0.35	0.3	0.91	108	6	4	2	0.44	0.4	0.78
34	4	1	2	0.30	0.3	0.76	110	6	1	1	0.51	0.3	0.78
35	4	5		0.46	0.3	0.73	111	6	1	1	0.50	0.6	0.62
36	4	1	2	0.52	0.5	0.76	112	6	4	1	0.53	0.6	0.64
37	4	1	2	0.40	0.9	0.91	113	6	1	1	0.57	0.7	0.70
39	4	4	1	0.36	0.3	0.54	114	6	1	1	0.43	0.6	0.59

Mean Item-Total Corr.: 0.41, Mean p-value: 0.71

**Table 30. Constructed-Response Item Analyses, Grade 4 Reading**

Item #	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value
					0	1	2	3	4		
4	3	4	1	0.45	39.76	0.18	33.25	26.24		0.6	0.48
14	3	5		0.47	64.19	7.92	27.12			0.8	0.31
17	3	6	2	0.58	18.64	23.00	27.05	18.92	10.05	2.4	0.44
21	3	4	1	0.42	45.25	39.03	14.07			1.6	0.34
24	3	5		0.55	45.42	9.70	42.99			1.9	0.48
27	4	1	1	0.53	38.72	8.88	15.62	35.74		1.0	0.49
33	4	1	1	0.48	9.13	31.20	58.84			0.8	0.74
38	4	4	1	0.45	17.50	36.25	22.91	21.99		1.4	0.49
44	4	5		0.45	29.57	21.05	48.34			1.0	0.59
97	6	6	1	0.47	42.88	38.21	17.73			1.2	0.37
103	6	1	2	0.58	7.26	8.99	19.89	62.97		0.9	0.79
109	6	4	2	0.46	46.90	36.59	14.99			1.5	0.33
115	6	6	1	0.58	14.26	47.87	18.04	18.86		1.0	0.47
116	6	6	1	0.52	45.93	18.69	33.05			2.3	0.42

Mean Item-Total Corr.: 0.50, Mean p-value: 0.48

**Table 31. Multiple-Choice Item Analyses, Grade 4 Spanish Reading**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
4	3	1	2	0.43	1.3	0.42	39	4	1	1	0.37	1.7	0.76
5	3	5		0.23	1.1	0.43	40	4	1	1	0.54	2.1	0.55
6	3	6	2	0.30	0.2	0.62	42	4	1	1	0.33	3.4	0.38
7	3	5		0.21	0.8	0.34	45	4	1	3	0.52	4.6	0.79
8	3	6	2	0.17	1.1	0.33	46	4	6	3	0.17	4.6	0.31
9	3	4	2	0.40	1.1	0.60	47	4	5		0.20	4.4	0.26
10	3	4	2	0.40	0.8	0.61	90	6	1	2	0.40	0.0	0.82
11	3	1	3	0.25	0.8	0.64	91	6	1	3	0.40	0.0	0.65
12	3	6	2	0.19	1.3	0.36	92	6	1	3	0.39	0.0	0.49
15	3	4	1	0.26	0.4	0.68	93	6	1	2	0.35	0.2	0.74
16	3	1	1	0.34	0.4	0.66	94	6	1	2	0.42	0.4	0.80
17	3	4	1	0.22	0.6	0.78	95	6	1	2	0.40	0.6	0.57
18	3	1	1	0.35	0.8	0.74	98	6	6	1	0.19	0.0	0.53
19	3	6	1	0.34	1.7	0.92	100	6	4	1	0.42	0.2	0.42
20	3	1	1	0.12	1.3	0.52	101	6	4	1	0.24	0.6	0.36
21	3	1	1	0.52	0.6	0.58	102	6	1	3	0.42	0.2	0.80
22	3	1	1	0.41	0.8	0.53	103	6	1	3	0.40	1.3	0.62
23	3	6	1	0.39	0.6	0.53	104	6	5		0.11	1.5	0.53
25	4	1	2	0.27	0.6	0.53	105	6	5		0.28	0.6	0.29
26	4	1	3	0.36	0.4	0.76	106	6	5		0.34	0.4	0.49
27	4	4	2	0.42	0.4	0.66	108	6	1	2	0.32	0.4	0.66
29	4	4	2	0.25	2.1	0.37	109	6	1	2	0.38	0.6	0.49
31	4	4	2	0.19	2.3	0.23	110	6	4	2	0.51	0.6	0.66
34	4	4	1	0.54	1.3	0.75	111	6	1	3	0.33	1.5	0.53
35	4	1	1	0.47	1.3	0.52	112	6	1	3	0.35	1.5	0.72
36	4	1	3	0.48	1.1	0.76	113	6	5		0.35	1.1	0.64
37	4	5		0.33	1.7	0.41	114	6	5		0.39	1.3	0.54
38	4	5		0.34	2.7	0.65							

Mean Item-Total Corr.: 0.34, Mean p-value: 0.57

**Table 32. Constructed-Response Item Analyses, Grade 4 Spanish Reading**

Item #	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value
					0	1	2	3	4		
13	3	1	2	0.64	32.49	20.04	32.07	14.56		0.8	0.43
14	3	5		0.32	51.48	41.56	2.53			4.4	0.23
28	4	5		0.69	10.97	14.35	10.97	63.08		0.6	0.75
30	4	4	2	0.52	70.46	13.92	14.56			1.1	0.22
32	4	6	1	0.45	40.72	33.54	14.14	10.97		0.6	0.32
33	4	1	1	0.66	24.89	26.16	21.31	26.79		0.8	0.50
41	4	1	1	0.55	49.16	29.54	17.09			4.2	0.32
43	4	6	1	0.54	28.27	29.32	37.97			4.4	0.53
44	4	4	1	0.39	59.70	32.49	1.27			6.5	0.18
96	6	4	1	0.31	26.79	47.68	24.89			0.6	0.49
97	6	6	1	0.61	35.23	28.90	17.72	17.51		0.6	0.39
99	6	6	1	0.52	49.79	36.50	13.50			0.2	0.32
107	6	1	2	0.56	21.52	17.51	60.13			0.8	0.69
115	6	5		0.54	27.64	7.81	50.63	12.03		1.9	0.48

Mean Item-Total Corr.: 0.52, Mean p-value: 0.42

**Table 33. Multiple-Choice Item Analyses, Grade 4 Writing**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
54	5	2		0.48	0.1	0.88	74	5	3	7	0.52	0.4	0.70
55	5	2		0.35	0.1	0.95	75	5	2	5	0.40	0.3	0.86
56	5	3	7	0.37	0.4	0.87	77	5	2	5	0.47	0.8	0.63
57	5	3	7	0.35	1.4	0.55	78	5	3	8	0.41	0.8	0.49
58	5	3	7	0.32	1.6	0.83	79	5	3	8	0.47	0.9	0.58
59	5	3	7	0.34	0.1	0.97	80	5	3	8	0.45	0.5	0.61
60	5	3	7	0.41	0.3	0.88	81	5	3	8	0.49	1.6	0.59
61	5	3	7	0.39	0.4	0.89	82	5	2		0.39	0.9	0.78
62	5	3	7	0.36	1.1	0.90	83	5	2		0.44	1.0	0.78
63	5	2		0.33	0.2	0.94	84	5	3	8	0.38	1.0	0.52
64	5	2		0.35	0.4	0.81	85	5	3	8	0.52	1.3	0.60
65	5	3	7	0.44	0.4	0.91	86	5	3	8	0.43	1.8	0.85
66	5	3	7	0.39	0.7	0.91	87	5	2		0.43	0.7	0.92
67	5	3	8	0.32	0.2	0.65	88	5	2		0.49	0.8	0.68
68	5	3	8	0.43	0.3	0.74	89	5	2		0.43	1.0	0.91
69	5	3	8	0.28	0.3	0.95	90	5	2		0.53	0.8	0.80
70	5	3	7	0.42	0.7	0.85	91	5	2		0.58	0.9	0.79
71	5	3	7	0.44	0.8	0.71	92	5	3	7	0.41	0.9	0.80
72	5	3	8	0.47	1.2	0.80	93	5	2	5	0.42	0.3	0.72
73	5	3	7	0.46	0.8	0.82	94	5	2	5	0.35	0.4	0.52

Mean Item-Total Corr.: 0.42, Mean p-value: 0.77

**Table 34. Constructed-Response Item Analyses, Grade 4 Writing**

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value	
						0	1	2	3	4			
1		1	2	6	0.12	2.84	97.13					0.0	0.97
2	A	2	3	8	0.48	43.83	55.05					1.1	0.55
2	B	2	3	8	0.42	67.29	31.65					1.1	0.32
2	C	2	3	7	0.38	56.76	42.15					1.1	0.42
2	D	2	3	8	0.48	26.90	72.04					1.1	0.72
2	E	2	3	7	0.21	11.37	87.53					1.1	0.88
2	F	2	3	8	0.44	71.29	27.63					1.1	0.28
3	A	2	2	6	0.62	1.84	2.05	20.46	55.62	19.89		0.1	0.72
3	B	2	2	6	0.65	0.17	3.35	25.97	52.22	18.14		0.2	0.71
3	C	2	3	6	0.47	0.63	10.11	89.12				0.1	0.94
53		4	2	5	0.60	5.65	9.76	43.42	36.17	2.88		2.1	0.54
76		5	2	5	0.61	1.09	7.67	43.55	43.89	3.19		0.6	0.60
95		5	2	5	0.58	3.58	11.94	52.35	23.00	7.96		1.2	0.54

Mean Item-Total Corr.: 0.47, Mean p-value: 0.63

**Table 35. Multiple-Choice Item Analyses, Grade 4 Spanish Writing**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
48	5	3	7	0.32	0.0	0.84	69	5	3	7	0.42	0.6	0.37
49	5	3	7	0.30	0.0	0.79	70	5	3	7	0.41	3.8	0.49
50	5	2		0.36	0.4	0.83	71	5	3	8	0.29	0.6	0.50
51	5	2		0.29	0.0	0.45	72	5	3	8	0.30	1.3	0.36
52	5	2		0.19	0.6	0.95	73	5	3	8	0.45	4.0	0.66
53	5	3	7	0.37	0.4	0.60	74	5	3	8	0.18	4.0	0.39
54	5	2		0.36	0.0	0.83	75	5	3	7	0.38	2.3	0.42
55	5	3	7	0.26	1.3	0.83	76	5	3	7	0.20	2.3	0.35
56	5	2	5	0.29	0.2	0.46	77	5	3	7	0.19	7.2	0.27
57	5	2	5	0.31	0.2	0.48	78	5	3	8	0.25	2.3	0.60
58	5	2	5	0.33	0.2	0.36	79	5	3	8	0.29	3.0	0.34
59	5	2	5	0.39	0.2	0.49	80	5	3	8	0.41	2.5	0.44
60	5	2	5	0.39	0.4	0.46	81	5	3	8	0.48	2.3	0.38
61	5	2	5	0.17	0.4	0.34	82	5	3	8	0.36	1.5	0.53
63	5	3	7	0.37	0.6	0.35	83	5	3	8	0.41	1.7	0.44
64	5	3	7	0.36	0.8	0.69	84	5	3	8	0.32	3.2	0.43
65	5	3	7	0.37	1.3	0.51	85	5	3	8	0.17	1.9	0.36
66	5	3	7	0.38	1.5	0.59	86	5	2		0.30	1.7	0.35
67	5	3	7	0.46	4.2	0.58	87	5	2		0.43	1.9	0.67
68	5	3	7	0.42	4.4	0.47	88	5	2		0.37	2.1	0.46

Mean Item-Total Corr.: 0.33, Mean p-value: 0.52

**Table 36. Constructed-Response Item Analyses, Grade 4 Spanish Writing**

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value
						0	1	2	3	4		
1		1	2	6	0.17	11.79	87.58				0.6	0.88
2	A	2	3	7	0.35	14.53	83.58				1.9	0.84
2	B	2	3	7	0.39	33.68	64.42				1.9	0.64
2	C	2	3	7	0.39	25.05	73.05				1.9	0.73
2	D	2	3	8	0.26	27.79	70.32				1.9	0.70
2	E	2	3	7	0.44	30.32	67.79				1.9	0.68
2	F	2	3	8	0.37	80.63	17.47				1.9	0.17
3	A	2	2	6	0.65	20.21	12.63	40.42	24.42	0.84	1.5	0.43
3	B	2	2	6	0.68	21.47	13.68	41.89	20.84	0.63	1.5	0.41
3	C	2	3	6	0.62	22.74	50.32	25.47			1.5	0.51
24		3	2	5	0.58	17.26	26.32	32.21	17.05	4.42	2.7	0.40
62		5	2	5	0.41	77.26	3.16	8.63	8.00	2.53	0.4	0.14
89		5	2	5	0.54	53.47	27.16	6.32	6.95	2.32	3.8	0.17

Mean Item-Total Corr.: 0.45, Mean p-value: 0.52

**Table 37. Multiple-Choice Item Analyses, Grade 4 Mathematics**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
1	1	3		0.51	0.2	0.73	35	2	6		0.52	0.5	0.66
2	1	2	2	0.49	0.1	0.89	37	2	3		0.41	0.5	0.48
3	1	1	1	0.45	0.2	0.55	38	2	3		0.55	0.1	0.71
4	1	6		0.43	0.4	0.93	39	2	1	1	0.36	0.4	0.59
6	1	2	2	0.20	0.1	0.98	40	2	6		0.50	0.9	0.86
7	1	1		0.31	0.4	0.96	42	2	1		0.46	0.2	0.87
8	1	6		0.33	0.5	0.86	43	2	4		0.18	0.2	0.89
9	1	6	1	0.39	0.3	0.89	44	2	4		0.38	0.2	0.88
10	1	1	1	0.47	0.2	0.78	45	2	4		0.31	0.2	0.92
12	1	1	1	0.30	0.2	0.96	47	3	6		0.51	0.6	0.71
13	1	4		0.37	0.2	0.90	48	3	3		0.59	0.2	0.83
14	1	6		0.32	0.5	0.91	50	3	4		0.16	0.1	0.96
16	1	2	2	0.39	0.3	0.92	51	3	4		0.45	0.1	0.73
17	1	4		0.49	0.2	0.67	52	3	3		0.25	0.2	0.89
19	1	4		0.28	0.2	0.86	53	3	2	2	0.40	0.6	0.69
20	1	1	1	0.44	0.3	0.54	55	3	1	1	0.48	0.3	0.86
21	1	2	2	0.48	0.6	0.49	56	3	4	3	0.34	0.7	0.94
22	1	3		0.41	0.6	0.87	57	3	4		0.53	0.3	0.68
24	2	4		0.27	0.1	0.97	58	3	4		0.49	1.0	0.73
25	2	3		0.21	0.1	0.49	60	3	1	1	0.53	0.2	0.80
26	2	6	1	0.50	0.3	0.71	61	3	6	1	0.58	0.8	0.66
28	2	4	3	0.23	0.2	0.97	62	3	6		0.46	0.8	0.82
29	2	4		0.34	0.4	0.90	64	3	1		0.50	0.3	0.64
30	2	3		0.51	0.5	0.84	65	3	4	3	0.36	0.2	0.91
31	2	4	3	0.31	0.4	0.88	66	3	6		0.52	0.7	0.84
33	2	6		0.41	1.0	0.72	67	3	4		0.40	0.4	0.74
34	2	2		0.47	0.3	0.82	68	3	3		0.41	0.3	0.54

Mean Item-Total Corr.: 0.41, Mean p-value: 0.79

**Table 38. Constructed-Response Item Analyses, Grade 4 Mathematics**

Item #	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value	
					0	1	2	3	4			
5	1	4		0.41	20.84	61.65	17.03				0.5	0.48
11	1	3		0.60	13.57	16.80	69.20				0.4	0.78
15	1	4		0.45	2.55	12.82	39.16	45.03			0.4	0.75
18	1	4	3	0.58	6.36	38.12	28.45	26.95			0.1	0.59
23	1	6		0.76	7.71	8.59	14.11	38.80	30.48		0.3	0.69
27	2	1	1	0.55	19.96	47.58	32.19				0.3	0.56
32	2	1	1	0.59	16.14	15.27	67.30				1.3	0.75
36	2	1		0.61	34.62	30.40	11.00	23.62			0.4	0.41
41	2	1	1	0.58	38.96	25.17	31.49	3.53			0.9	0.33
46	2	2	2	0.68	3.53	10.50	17.78	26.89	40.99		0.3	0.73
49	3	2	2	0.46	3.90	33.50	62.18				0.4	0.79
54	3	6	2	0.68	9.13	16.58	34.89	39.17			0.2	0.68
59	3	2	2	0.40	5.20	21.31	73.31				0.2	0.84
63	3	3		0.65	18.90	18.67	18.49	43.62			0.3	0.62
69	3	4	3	0.62	22.01	21.69	25.81	16.05	14.17		0.3	0.45

Mean Item-Total Corr.: 0.57, Mean p-value: 0.63



**Table 39. Multiple-Choice Item Analyses, Grade 5 Reading**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
5	3	6	1	0.45	0.1	0.86	40	4	4	2	0.49	0.1	0.80
6	3	1	3	0.36	0.3	0.69	41	4	5		0.44	0.4	0.84
7	3	6	1	0.55	0.2	0.82	42	4	4	2	0.47	0.4	0.58
8	3	1	3	0.49	0.2	0.82	43	4	5		0.12	0.5	0.40
9	3	4	1	0.38	0.2	0.85	45	4	4	1	0.37	0.2	0.64
10	3	1	1	0.45	0.3	0.91	46	4	6	1	0.48	0.4	0.85
13	3	1	2	0.43	0.1	0.90	47	4	6	1	0.43	0.3	0.65
14	3	1	2	0.36	0.4	0.83	48	4	6	1	0.45	0.3	0.92
15	3	1	3	0.48	0.5	0.82	95	6	4	2	0.36	0.2	0.81
17	3	4	2	0.32	0.2	0.74	96	6	1	2	0.51	0.3	0.90
18	3	4	2	0.49	0.5	0.78	97	6	5		0.21	0.2	0.56
20	3	5		0.52	0.4	0.73	98	6	1	3	0.38	0.3	0.83
21	3	5		0.31	0.4	0.78	99	6	1	3	0.42	0.2	0.74
22	3	1	3	0.46	0.5	0.74	100	6	1	3	0.43	1.0	0.70
23	3	1	2	0.29	0.7	0.65	101	6	5		0.46	0.1	0.82
24	3	1	2	0.17	0.8	0.38	102	6	5		0.52	0.3	0.75
26	3	5		0.36	2.9	0.83	103	6	5		0.58	0.2	0.83
27	3	5		0.48	1.5	0.62	104	6	5		0.53	0.1	0.76
28	3	5		0.42	1.6	0.57	105	6	5		0.27	1.4	0.41
29	4	1	1	0.35	0.3	0.70	108	6	6	1	0.50	0.2	0.82
30	4	6	1	0.29	0.3	0.53	109	6	4	1	0.46	0.3	0.65
32	4	1	1	0.38	0.3	0.73	110	6	4	1	0.48	0.3	0.59
33	4	4	1	0.49	0.4	0.85	111	6	1	1	0.49	0.3	0.82
34	4	4	1	0.50	0.5	0.77	112	6	1	1	0.51	0.3	0.77
35	4	6	1	0.31	0.6	0.56	113	6	1	1	0.52	0.5	0.78
36	4	5		0.46	0.1	0.77	114	6	1	3	0.33	0.2	0.55
37	4	1	3	0.49	0.2	0.82	115	6	5		0.43	0.4	0.49
38	4	1	3	0.53	0.2	0.85	116	6	1	1	0.59	0.3	0.75

Mean Item-Total Corr.: 0.43, Mean p-value: 0.73

**Table 40. Constructed-Response Item Analyses, Grade 5 Reading**

Item #	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value	
					0	1	2	3	4			
4	3	1	1	0.48	6.67	16.69	76.16				0.5	0.85
11	3	4	1	0.46	47.55	22.24	28.99				1.2	0.40
12	3	4	2	0.40	45.49	36.99	16.22				1.3	0.35
16	3	4	2	0.40	26.46	59.46	12.86				1.2	0.43
19	3	5		0.63	8.73	15.14	37.64	37.49			1.0	0.68
25	3	6	2	0.56	14.64	20.66	28.08	22.03	12.55		2.1	0.48
31	4	6	1	0.31	58.00	28.97	11.93				1.1	0.26
39	4	6	1	0.38	63.80	15.79	11.65	6.80			2.0	0.20
44	4	4	1	0.43	21.14	35.07	20.96	21.84			1.0	0.48
49	4	6	1	0.39	29.87	31.04	28.11	9.38			1.6	0.38
50	4	5		0.40	21.32	26.66	51.05				1.0	0.64
93	6	1	2	0.67	25.22	7.14	66.17				1.5	0.70
94	6	1	2	0.57	16.55	30.64	51.72				1.1	0.67
106	6	1	1	0.64	20.08	23.45	54.99				1.5	0.67
107	6	6	1	0.60	15.31	41.69	41.48				1.5	0.62

Mean Item-Total Corr.: 0.49, Mean p-value: 0.52

**Table 41. Multiple-Choice Item Analyses, Grade 5 Writing**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
51	5	2		0.41	0.1	0.87	72	5	3	7	0.57	0.5	0.74
52	5	3	7	0.35	0.2	0.54	73	5	2		0.41	0.4	0.85
53	5	3	7	0.35	0.9	0.92	74	5	2		0.42	0.5	0.86
54	5	2		0.45	1.3	0.90	75	5	2		0.46	2.7	0.82
55	5	3	7	0.50	0.1	0.79	76	5	2	7	0.56	0.3	0.82
56	5	3	7	0.40	0.1	0.88	77	5	2	7	0.56	0.3	0.75
57	5	3	7	0.28	0.2	0.85	78	5	2	7	0.51	0.5	0.74
58	5	3	7	0.33	0.2	0.76	79	5	2	7	0.50	0.3	0.81
59	5	3	7	0.33	0.3	0.64	80	5	3	8	0.30	0.2	0.94
60*	5	3	7	0.41	0.6	0.71	81	5	2	5	0.36	0.2	0.59
61	5	3	7	0.23	0.7	0.51	82	5	2	5	0.47	0.3	0.84
63	5	3	8	0.46	0.1	0.67	83	5	2	5	0.29	0.3	0.50
64	5	3	8	0.52	0.2	0.78	84	5	2	5	0.49	0.3	0.68
65	5	3	8	0.37	0.6	0.92	85	5	2	8	0.44	0.4	0.70
66	5	3	8	0.38	0.5	0.72	86	5	2	8	0.43	0.6	0.66
67	5	3	8	0.44	0.6	0.78	87	5	3	7	0.27	0.5	0.45
68	5	3	8	0.42	1.0	0.55	88	5	3	7	0.43	0.4	0.84
69	5	3	7	0.48	0.2	0.84	89	5	3	7	0.52	0.6	0.84
70	5	3	7	0.23	0.2	0.37	90	5	3	7	0.52	1.0	0.74
71	5	3	7	0.51	0.2	0.77	91	5	3	8	0.52	0.6	0.67

Mean Item-Total Corr.: 0.42, Mean p-value: 0.74

\* Item removed from calibration.

**Table 42. Constructed-Response Item Analyses, Grade 5 Writing**

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value	
						0	1	2	3	4			
1		1	2	6	0.13	1.42	98.47					0.1	0.98
2	A	2	3	8	0.10	92.51	6.70					0.8	0.07
2	B	2	3	7	0.50	32.75	66.45					0.8	0.66
2	C	2	3	7	0.47	52.10	47.10					0.8	0.47
2	D	2	3	8	0.39	32.94	66.26					0.8	0.66
2	E	2	3	8	0.45	47.56	51.65					0.8	0.52
2	F	2	3	8	0.45	49.55	49.66					0.8	0.50
3	A	2	2	6	0.64	10.98	5.83	34.32	33.75	14.85		0.3	0.59
3	B	2	2	6	0.68	0.25	9.17	41.93	33.84	14.54		0.3	0.63
3	C	2	3	6	0.56	0.99	14.63	84.11				0.3	0.91
62		5	2	5	0.59	0.80	4.92	40.98	46.62	5.84		0.8	0.63
92		5	2	5	0.58	2.18	5.91	44.30	38.79	7.37		1.5	0.60
117		6	2	5	0.58	1.31	4.39	46.52	43.83	3.04		0.9	0.60

Mean Item-Total Corr.: 0.47, Mean p-value: 0.60

**Table 43. Multiple-Choice Item Analyses, Grade 5 Mathematics**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
1	1	4	1	0.36	0.1	0.75	36	2	6		0.42	0.7	0.73
2	1	1		0.28	0.1	0.93	37	2	1	1	0.55	0.2	0.42
3	1	1	1	0.57	0.1	0.59	38	2	6		0.56	0.6	0.52
4	1	4		0.40	0.2	0.71	39	2	3		0.53	0.3	0.64
5	1	1		0.45	0.2	0.65	41	2	6		0.44	0.3	0.91
7	1	3	3	0.38	0.1	0.86	42	2	4		0.38	0.4	0.73
8	1	6		0.48	0.5	0.79	43	2	2		0.50	0.7	0.77
9	1	4		0.38	0.2	0.87	44	2	3	3	0.36	0.3	0.77
10	1	1	1	0.56	0.8	0.54	45	2	6		0.40	0.5	0.77
11	1	1	1	0.55	0.5	0.72	47	3	2		0.38	0.1	0.86
12	1	1	1	0.33	0.2	0.88	48	3	4		0.36	0.2	0.73
14	1	6		0.42	1.8	0.83	50	3	4		0.45	0.1	0.72
16	1	1	1	0.51	0.4	0.65	51	3	6		0.43	0.4	0.85
17	1	2		0.52	0.2	0.71	52	3	2		0.42	1.0	0.67
18	1	3	3	0.55	0.2	0.74	54	3	3	3	0.30	0.9	0.94
20	1	4		0.32	0.3	0.55	55	3	1	1	0.36	0.3	0.56
21	1	6	1	0.48	0.4	0.84	56	3	4		0.53	0.3	0.75
22	1	1		0.26	0.6	0.93	58	3	6		0.37	0.8	0.82
24	2	1	1	0.46	0.1	0.92	59	3	2	2	0.35	0.2	0.89
25	2	6		0.46	0.1	0.81	60	3	1	1	0.55	0.2	0.81
26	2	3		0.40	0.2	0.61	61	3	4		0.52	0.2	0.67
28	2	4		0.37	0.1	0.82	62	3	2	2	0.39	0.3	0.77
29	2	1		0.37	0.3	0.62	63	3	3		0.42	0.3	0.67
30	2	1	1	0.50	0.7	0.81	64	3	6		0.47	0.2	0.88
31	2	4		0.41	0.1	0.67	65	3	6		0.30	0.7	0.90
32	2	6		0.39	0.4	0.38	67	3	2	2	0.45	0.2	0.71
33	2	2	3	0.39	0.4	0.84	68	3	6	1	0.44	0.3	0.91

Mean Item-Total Corr.: 0.43, Mean p-value: 0.75

**Table 44. Constructed-Response Item Analyses, Grade 5 Mathematics**

Item #	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value	
					0	1	2	3	4			
6	1	4		0.60	10.20	42.69	47.00				0.1	0.68
13	1	3	3	0.57	2.71	19.35	37.18	40.07			0.7	0.71
15	1	2		0.54	49.70	6.74	43.21				0.3	0.47
19	1	6	1	0.58	12.05	18.26	37.96	31.10			0.6	0.62
23	1	2	2	0.66	1.86	5.23	10.52	24.03	58.09		0.3	0.83
27	2	2	2	0.63	23.99	12.70	62.99				0.3	0.69
34	2	2	2	0.64	12.14	14.67	19.12	53.45			0.6	0.71
35	2	1	1	0.53	5.73	8.60	82.60				3.1	0.87
40	2	4		0.71	13.74	24.87	34.16	26.87			0.4	0.58
46	2	3	3	0.70	1.98	10.75	14.43	28.27	44.24		0.3	0.75
49	3	6		0.54	20.61	8.55	70.69				0.2	0.75
53	3	1		0.61	10.60	24.29	16.32	48.27			0.5	0.67
57	3	3	3	0.52	14.63	28.44	56.49				0.4	0.71
66	3	3	3	0.63	12.65	15.88	19.68	51.57			0.2	0.70
69	3	4		0.66	3.73	18.72	20.92	19.44	36.94		0.3	0.67

Mean Item-Total Corr.: 0.61, Mean p-value: 0.69

**Table 45. Multiple-Choice Item Analyses, Grade 5 Science**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
1	1	4		0.20	0.2	0.92	39	2	1	2	0.47	0.1	0.88
2	1	3		0.36	0.1	0.70	40	2	1	2	0.43	0.3	0.60
3	1	3		0.25	0.0	0.61	42	2	2		0.32	0.3	0.56
4	1	3		0.44	0.3	0.73	44	2	1	1	0.53	0.3	0.85
6	1	1	2	0.43	0.1	0.94	45	2	4		0.20	0.1	0.97
7	1	2		0.45	0.1	0.63	47	2	3		0.28	0.2	0.97
8	1	1	2	0.30	0.4	0.73	48	2	4		0.21	0.3	0.72
9	1	2		0.49	0.2	0.83	49	2	1		0.42	0.1	0.66
10	1	2		0.35	0.1	0.67	50	2	1		0.42	0.3	0.52
11	1	2		0.36	0.4	0.61	51	3	4		0.19	0.1	0.53
12	1	4		0.51	0.3	0.63	52	3	4		0.33	0.0	0.83
13	1	2		0.27	0.1	0.74	55	3	1	1	0.25	0.4	0.97
14	1	1		0.42	0.1	0.63	56	3	3		0.39	0.3	0.54
15	1	3		0.30	0.2	0.97	58	3	3		0.33	0.2	0.88
16	1	3		0.44	0.2	0.67	59	3	3		0.33	0.2	0.64
17	1	4		0.30	0.1	0.50	60	3	4		0.28	0.4	0.60
18	1	4		0.38	0.2	0.70	61	3	4		0.33	0.6	0.57
19	1	4		0.46	0.2	0.78	62	3	2		0.27	0.1	0.91
20	1	4		0.38	0.5	0.69	63	3	2		0.23	0.2	0.58
26	2	4		0.32	0.0	0.85	65	3	4		0.26	0.2	0.96
27	2	4		0.29	0.4	0.93	66	3	1	2	0.36	0.1	0.63
28	2	1		0.37	0.1	0.77	67	3	1	1	0.46	0.2	0.82
30	2	2		0.16	0.1	0.98	68	3	1	1	0.41	0.4	0.75
31	2	1	1	0.29	0.3	0.95	69	3	3		0.35	0.3	0.85
32	2	1	1	0.29	0.3	0.90	70	3	1	2	0.26	0.1	0.67
33	2	1	2	0.22	0.4	0.97	72	3	1	2	0.43	0.1	0.65
35	2	2		0.45	0.2	0.81	73	3	1	2	0.47	0.1	0.84
36	2	2		0.30	0.0	0.96	74	3	1	1	0.49	0.5	0.55
37	2	2		0.43	0.1	0.89							

Mean Item-Total Corr.: 0.35, Mean p-value: 0.76

**Table 46. Constructed-Response Item Analyses, Grade 5 Science**

Item #	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value
					0	1	2	3	4		
5	1	4		0.44	17.74	20.92	60.79			0.5	0.71
21	1	1	1	0.17	27.46	72.42				0.1	0.72
22	1	1	1	0.39	53.37	46.10				0.5	0.46
23	1	1	1	0.52	25.41	42.47	31.43			0.7	0.53
24	1	1	1	0.32	77.75	18.21	3.30			0.8	0.12
25	1	1	2	0.48	38.73	60.59				0.7	0.61
29	2	1	1	0.57	50.16	19.05	30.41			0.4	0.40
34	2	3		0.50	60.69	22.62	15.99			0.7	0.27
38	2	2		0.24	4.16	92.80	2.82			0.2	0.49
41	2	2		0.41	55.31	44.40				0.3	0.44
43	2	3		0.52	3.27	35.70	60.87			0.2	0.79
46	2	1	1	0.57	20.26	20.85	57.91			1.0	0.68
53	3	4		0.40	71.85	27.33				0.8	0.27
54	3	3		0.35	0.60	15.48	83.84			0.1	0.92
57	3	4		0.51	5.68	27.62	66.33			0.4	0.80
64	3	3		0.30	2.55	18.16	79.04			0.2	0.88
71	3	3		0.48	31.88	49.04	18.86			0.2	0.43
75	3	2		0.54	50.51	19.51	28.76			1.2	0.39

Mean Item-Total Corr.: 0.43, Mean p-value: 0.55

**Table 47. Multiple-Choice Item Analyses, Grade 6 Reading**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
5	3	6	1	0.42	0.1	0.90	41	4	1	3	0.48	0.2	0.86
6	3	1	3	0.36	0.3	0.75	42	4	1	3	0.50	0.4	0.88
7	3	6	1	0.49	1.3	0.85	46	4	4	2	0.42	0.2	0.80
8	3	1	3	0.45	1.7	0.87	47	4	4	2	0.38	0.8	0.69
9	3	4	1	0.35	0.1	0.89	48	4	4	2	0.45	0.4	0.73
10	3	1	1	0.40	0.1	0.94	49	4	5		0.37	0.6	0.55
14	3	4	2	0.39	0.4	0.84	50	4	5		0.35	0.4	0.48
15	3	5		0.39	0.5	0.59	51	4	5		0.19	0.5	0.50
16	3	6	2	0.41	0.2	0.59	52	4	5		0.46	0.5	0.77
17	3	1	3	0.33	0.4	0.42	53	4	5		0.48	0.5	0.59
18	3	1	2	0.19	0.6	0.36	54	4	5		0.54	0.5	0.69
19	3	1	3	0.48	0.4	0.63	100	6	6	1	0.37	0.1	0.73
20	3	1	3	0.44	0.6	0.53	101	6	4	1	0.36	0.2	0.52
23	3	1	2	0.53	1.5	0.78	102	6	4	1	0.43	0.3	0.80
24	3	4	2	0.43	2.0	0.56	103	6	1	3	0.34	0.1	0.50
25	3	4	2	0.38	1.8	0.48	104	6	1	3	0.38	0.2	0.80
26	3	5		0.24	2.1	0.55	105	6	1	3	0.59	0.3	0.82
27	3	1	3	0.33	2.0	0.29	106	6	4	1	0.54	0.2	0.85
28	3	1	3	0.27	2.5	0.57	107	6	4	1	0.33	0.4	0.51
29	3	5		0.51	2.5	0.78	108	6	1	1	0.51	0.3	0.85
30	3	5		0.43	2.8	0.80	109	6	5		0.51	0.2	0.63
31	3	5		0.47	4.6	0.54	110	6	5		0.42	0.3	0.91
33	4	1	1	0.27	0.1	0.72	112	6	4	1	0.38	0.2	0.83
34	4	6	1	0.30	0.1	0.57	113	6	4	1	0.41	0.3	0.94
36	4	1	1	0.37	0.2	0.79	115	6	6	1	0.44	1.7	0.67
37	4	4	1	0.45	0.2	0.88	116	6	6	1	0.36	0.4	0.44
38	4	4	1	0.46	0.2	0.83	117	6	1	3	0.20	0.3	0.44
39	4	6	1	0.39	0.3	0.66	118	6	5		0.39	1.9	0.63
40	4	5		0.42	0.1	0.80							

Mean Item-Total Corr.: 0.40, Mean p-value: 0.69

**Table 48. Constructed-Response Item Analyses, Grade 6 Reading**

Item #	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value	
					0	1	2	3	4			
4	3	1	1	0.44	4.95	15.72	78.79				0.5	0.87
11	3	4	1	0.41	39.52	25.00	34.20				1.3	0.47
12	3	1	2	0.61	9.23	5.04	14.31	15.21	54.94		1.3	0.75
13	3	4	2	0.54	32.97	20.63	45.62				0.8	0.56
21	3	1	2	0.56	38.93	11.48	47.06				2.5	0.53
22	3	1	2	0.58	22.70	19.63	54.20				3.5	0.64
35	4	6	1	0.34	51.68	34.24	13.10				1.0	0.30
43	4	6	1	0.46	46.63	21.01	19.21	10.97			2.2	0.31
44	4	5		0.55	13.05	29.73	56.31				0.9	0.71
45	4	5		0.57	9.68	9.27	79.81				1.2	0.84
98	6	6	1	0.51	43.32	24.26	19.85	11.18			1.4	0.33
99	6	6	1	0.62	32.16	25.91	40.27				1.7	0.53
111	6	6	1	0.39	34.51	30.21	33.22				2.1	0.48
114	6	1	1	0.48	33.24	32.62	24.98	7.45			1.7	0.35

Mean Item-Total Corr.: 0.50, Mean p-value: 0.55

**Table 49. Multiple-Choice Item Analyses, Grade 6 Writing**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
55	5	3	8	0.38	0.2	0.80	76	5	3	7	0.41	0.5	0.77
56	5	3	8	0.46	0.2	0.74	77	5	3	7	0.43	0.2	0.65
57	5	2		0.45	1.3	0.79	79	5	3	7	0.35	0.4	0.79
58	5	2		0.42	1.6	0.87	80	5	3	7	0.28	0.5	0.61
59	5	2	5	0.26	0.3	0.42	81	5	3	7	0.34	1.0	0.54
60	5	2	5	0.44	0.2	0.81	82	5	3	7	0.19	2.5	0.25
61	5	2	5	0.36	0.1	0.51	83	5	3	7	0.28	2.7	0.69
62	5	2	5	0.41	0.1	0.79	84	5	3	7	0.35	0.6	0.47
63	5	2	5	0.45	0.1	0.79	85	5	2	8	0.43	0.6	0.71
64	5	3	8	0.42	0.1	0.77	86	5	2	8	0.45	0.8	0.69
65	5	3	8	0.33	0.3	0.36	87	5	2	8	0.29	0.5	0.40
66	5	3	8	0.52	0.6	0.70	88	5	2	8	0.40	0.6	0.56
67	5	3	7	0.51	0.3	0.66	89	5	2	8	0.36	0.7	0.59
68	5	3	7	0.54	0.5	0.77	90	5	2	7	0.57	0.6	0.83
69	5	3	7	0.49	1.8	0.79	91	5	2	7	0.58	0.6	0.76
70	5	3	8	0.35	2.6	0.70	92	5	2	7	0.53	0.8	0.80
71	5	3	7	0.46	0.4	0.70	93	5	3	8	0.35	0.6	0.56
72	5	3	7	0.36	0.7	0.56	94	5	3	8	0.50	1.0	0.72
73	5	3	7	0.50	1.1	0.77	95	5	3	7	0.50	0.7	0.83
74	5	3	8	0.50	0.6	0.68	96	5	3	7	0.41	1.3	0.89
75	5	3	7	0.35	0.2	0.67							

Mean Item-Total Corr.: 0.41, Mean p-value: 0.68

**Table 50. Constructed-Response Item Analyses, Grade 6 Writing**

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value	
						0	1	2	3	4			
1		1	2	6	0.10	0.52	99.43					0.1	0.99
2	A	2	3	8	0.38	30.00	69.02					1.0	0.69
2	B	2	3	7	0.46	39.51	59.50					1.0	0.59
2	C	2	3	7	0.35	26.81	72.20					1.0	0.72
2	D	2	3	8	0.46	31.69	67.31					1.0	0.67
2	E	2	3	7	0.28	75.05	23.97					1.0	0.24
2	F	2	3	8	0.41	15.21	83.81					1.0	0.84
3	A	2	2	6	0.60	0.98	8.05	45.20	35.84	9.67		0.3	0.61
3	B	2	2	6	0.62	0.12	8.96	46.49	34.89	9.27		0.3	0.61
3	C	2	3	6	0.52	0.22	13.54	85.98				0.3	0.93
32		3	2	5	0.51	0.62	6.26	40.41	37.98	8.09		6.6	0.58
78		5	2	5	0.57	0.45	4.24	42.38	43.43	8.46		1.0	0.63
97		5	2	5	0.60	0.89	6.41	50.74	34.57	5.42		2.0	0.58

Mean Item-Total Corr.: 0.45, Mean p-value: 0.67

**Table 51. Multiple-Choice Item Analyses, Grade 6 Mathematics**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
1	1	2		0.39	0.2	0.89	31	2	3		0.36	0.2	0.89
2	1	6		0.48	0.5	0.83	32	2	4		0.51	0.4	0.60
3	1	1		0.34	0.1	0.51	34	2	6		0.38	0.8	0.75
5	1	1		0.44	0.3	0.60	35	2	4		0.37	0.2	0.77
6	1	6		0.52	0.1	0.82	36	2	2	2	0.43	0.4	0.52
8	1	6	1	0.41	0.6	0.76	38	2	4	3	0.31	0.1	0.89
9	1	1		0.36	0.4	0.79	39	2	2	2	0.53	0.2	0.38
10	1	4		0.42	0.1	0.79	41	3	4		0.47	0.2	0.55
12	1	4		0.46	0.3	0.83	42	3	1	1	0.40	0.2	0.62
13	1	3		0.45	0.2	0.58	44	3	4		0.41	0.2	0.62
14	1	3		0.51	0.2	0.81	45	3	3		0.47	0.3	0.48
15	1	3	2	0.44	0.2	0.43	46	3	4		0.51	0.1	0.69
17	1	1	1	0.61	0.2	0.68	49	3	2		0.51	0.4	0.74
18	1	6	1	0.48	0.5	0.77	50	3	6		0.49	0.6	0.84
19	1	4	3	0.38	0.3	0.60	51	3	6		0.24	0.5	0.91
21	2	1		0.41	0.2	0.65	52	3	4	3	0.27	0.3	0.55
22	2	1		0.46	0.4	0.34	53	3	1	1	0.50	0.6	0.61
23	2	6		0.45	0.5	0.86	54	3	4		0.56	0.2	0.70
24	2	2	2	0.22	0.1	0.94	55	3	1		0.43	0.3	0.48
25	2	3		0.55	0.2	0.71	56	3	6		0.42	1.5	0.77
27	2	1	1	0.32	0.2	0.75	58	3	2	2	0.42	1.0	0.67
28	2	2	2	0.46	0.3	0.83	59	3	3		0.47	0.5	0.46
30	2	4	3	0.42	0.3	0.87							

Mean Item-Total Corr.: 0.43, Mean p-value: 0.69

**Table 52. Constructed-Response Item Analyses, Grade 6 Mathematics**

Item #	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value	
					0	1	2	3	4			
4	1	4		0.41	5.08	22.56	71.99				0.4	0.83
7	1	3		0.56	1.38	10.71	27.02	60.37			0.5	0.82
11	1	4	3	0.60	59.55	21.29	18.25				0.9	0.29
16	1	1		0.65	31.08	29.52	7.24	30.04			2.1	0.45
20	1	2	2	0.62	4.63	28.30	35.24	23.41	8.07		0.4	0.50
26	2	3		0.32	0.36	22.70	76.56				0.4	0.88
29	2	2	2	0.59	9.74	15.90	25.15	48.80			0.4	0.71
33	2	6	1	0.61	22.24	23.76	53.48				0.5	0.65
37	2	2		0.60	36.31	44.54	3.30	15.35			0.5	0.32
40	2	3		0.65	0.85	8.66	7.95	21.91	60.08		0.5	0.83
43	3	3		0.62	11.02	26.27	62.42				0.3	0.76
47	3	6		0.60	43.09	35.89	19.74				1.3	0.38
48	3	4	3	0.71	8.50	20.20	34.24	36.80			0.3	0.66
57	3	4	3	0.53	16.87	0.19	55.56	27.16			0.2	0.64
60	3	1	1	0.76	20.36	27.45	23.68	13.93	14.21		0.4	0.43

Mean Item-Total Corr.: 0.59, Mean p-value: 0.61



**Table 53. Multiple-Choice Item Analyses, Grade 7 Reading**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
5	3	1	1	0.37	0.1	0.85	41	4	5		0.51	0.2	0.68
6	3	6	1	0.45	0.1	0.88	42	4	5		0.21	0.5	0.60
7	3	6	1	0.45	0.1	0.92	43	4	5		0.45	0.2	0.81
8	3	4	1	0.46	0.2	0.82	44	4	5		0.46	2.5	0.84
12	3	1	1	0.37	0.3	0.70	45	4	5		0.49	0.5	0.74
13	3	4	1	0.45	0.3	0.92	46	4	5		0.47	0.2	0.84
14	3	4	1	0.32	0.4	0.68	90	6	4	2	0.29	0.4	0.35
15	3	5		0.25	0.5	0.51	91	6	6	2	0.33	0.4	0.69
16	3	1	1	0.52	0.4	0.65	92	6	1	3	0.48	0.3	0.70
17	3	5		0.36	0.4	0.66	93	6	1	3	0.21	0.3	0.20
18	3	5		0.46	0.4	0.71	94	6	1	3	0.56	0.6	0.68
21	3	4	2	0.45	0.8	0.64	95	6	5		0.46	0.2	0.64
22	3	4	2	0.30	0.8	0.40	96	6	5		0.36	0.3	0.56
23	3	5		0.25	1.0	0.56	97	6	5		0.35	0.5	0.49
24	3	1	3	0.41	0.7	0.37	98	6	6	2	0.39	0.4	0.78
25	3	1	3	0.30	0.8	0.61	101	6	4	4	0.36	0.2	0.86
26	3	6	2	0.40	0.9	0.65	102	6	4	4	0.39	0.3	0.95
27	4	1	3	0.34	0.1	0.57	104	6	6	4	0.48	1.0	0.70
28	4	4	4	0.41	0.1	0.77	105	6	6	4	0.44	0.3	0.52
29	4	4	4	0.16	0.2	0.53	106	6	5		0.44	0.4	0.71
30	4	6	4	0.33	0.3	0.84	107	6	6	4	0.31	0.5	0.52
31	4	6	4	0.19	0.1	0.44	108	6	6	4	0.37	0.9	0.55
32	4	6	4	0.40	0.2	0.54	110	6	1	2	0.39	0.4	0.75
33	4	5		0.44	0.2	0.66	111	6	4	2	0.44	0.5	0.71
34	4	4	2	0.38	1.5	0.41	112	6	1	3	0.37	0.5	0.81
35	4	5		0.46	1.1	0.89	113	6	1	3	0.39	0.6	0.82
38	4	1	3	0.44	0.2	0.50	114	6	5		0.37	0.8	0.57
39	4	4	2	0.52	0.3	0.84	116	6	4	2	0.42	0.7	0.76
40	4	5		0.52	0.2	0.77	117	6	5		0.47	0.8	0.67

Mean Item-Total Corr.: 0.39, Mean p-value: 0.67

**Table 54. Constructed-Response Item Analyses, Grade 7 Reading**

Item #	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value
					0	1	2	3	4		
4	3	6	1	0.46	22.18	28.62	48.21			1.0	0.63
9	3	4	1	0.42	15.66	34.60	48.89			0.9	0.66
10	3	6	1	0.50	34.35	31.62	32.69			1.3	0.49
11	3	6	1	0.57	17.38	16.89	64.45			1.3	0.73
19	3	1	2	0.53	41.20	11.29	45.48			2.0	0.51
20	3	1	2	0.58	21.10	16.91	59.54			2.5	0.68
36	4	1	2	0.50	42.06	35.62	16.84	3.48		2.0	0.27
37	4	4	2	0.48	20.67	51.51	27.04			0.8	0.53
89	6	1	2	0.55	39.50	39.14	15.62	2.34		3.4	0.26
99	6	4	2	0.56	22.23	31.44	27.76	16.64		1.9	0.46
100	6	6	4	0.39	34.54	32.34	30.10			3.0	0.46
103	6	1	4	0.47	31.10	33.77	24.94	6.97		3.2	0.35
109	6	1	2	0.48	4.19	21.72	71.74			2.4	0.83
115	6	1	2	0.55	25.98	36.36	34.48			3.2	0.53

Mean Item-Total Corr.: 0.50, Mean p-value: 0.53

**Table 55. Multiple-Choice Item Analyses, Grade 7 Writing**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
47	5	3	8	0.42	0.1	0.66	68	5	3	7	0.40	0.5	0.57
48	5	3	8	0.40	0.2	0.81	69	5	3	7	0.53	0.7	0.69
49	5	3	7	0.49	0.5	0.84	70	5	3	7	0.38	0.9	0.74
50	5	3	7	0.40	1.6	0.88	71	5	3	7	0.34	0.8	0.48
51	5	3	7	0.50	2.3	0.75	72	5	3	7	0.53	0.9	0.48
52	5	3	7	0.37	0.2	0.64	73	5	3	7	0.44	0.4	0.50
53	5	3	7	0.32	0.3	0.60	74	5	3	7	0.42	0.4	0.67
54	5	2	7	0.46	0.2	0.84	75	5	2	5	0.31	0.5	0.52
55	5	3	7	0.44	0.2	0.87	76	5	2	5	0.41	0.4	0.49
56	5	3	7	0.34	0.3	0.92	77	5	3	7	0.34	0.5	0.68
57	5	2	8	0.38	0.4	0.44	78	5	3	8	0.42	0.3	0.53
58	5	2	8	0.45	0.4	0.48	79	5	3	8	0.24	0.5	0.27
59	5	2	8	0.49	0.7	0.78	80	5	3	8	0.51	0.7	0.76
60	5	2	8	0.45	0.4	0.62	81	5	3	8	0.52	1.8	0.69
61	5	3	8	0.41	0.4	0.90	82	5	3	7	0.42	2.0	0.66
62	5	3	8	0.41	0.7	0.82	83	5	3	7	0.45	2.1	0.77
63	5	2	5	0.38	0.2	0.72	84	5	2		0.42	0.4	0.89
64	5	2	7	0.40	0.3	0.48	85	5	2		0.50	0.4	0.67
66	5	2	5	0.53	0.3	0.68	86	5	2		0.48	0.5	0.54
67	5	2	5	0.29	0.3	0.63	87	5	2		0.31	0.5	0.29

Mean Item-Total Corr.: 0.42, Mean p-value: 0.66

**Table 56. Constructed-Response Item Analyses, Grade 7 Writing**

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value	
						0	1	2	3	4			
1		1	2	6	0.11	0.73	99.22					0.1	0.99
2	A	2	3	8	0.34	62.11	36.64					1.3	0.37
2	B	2	3	8	0.34	53.12	45.64					1.2	0.46
2	C	2	3	8	0.37	63.11	35.62					1.3	0.36
2	D	2	3	7	0.47	53.28	45.48					1.2	0.45
2	E	2	3	8	0.21	19.60	79.16					1.2	0.79
2	F	2	3	7	0.18	55.64	43.12					1.2	0.43
3	A	2	2	6	0.65	0.88	2.88	31.48	49.05	15.47		0.2	0.69
3	B	2	2	6	0.66	0.04	3.76	32.92	47.85	15.20		0.2	0.68
3	C	2	3	6	0.47	0.11	10.71	88.96				0.2	0.94
65		5	2	5	0.60	0.93	4.94	33.27	45.11	13.79		2.0	0.65
88		5	2	5	0.55	0.36	4.14	45.12	42.07	6.28		2.0	0.61
118		6	2	5	0.57	0.45	8.68	45.84	37.62	4.46		3.0	0.58

Mean Item-Total Corr.: 0.42, Mean p-value: 0.62

**Table 57. Multiple-Choice Item Analyses, Grade 7 Mathematics**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
1	1	1	2	0.43	0.1	0.60	31	2	4		0.44	0.2	0.59
2	1	1		0.28	0.1	0.93	32	2	1		0.19	0.4	0.60
4	1	1	1	0.39	0.2	0.66	34	2	1		0.34	0.3	0.90
5	1	3		0.44	0.4	0.51	36	2	2		0.20	0.2	0.95
6	1	3		0.45	0.2	0.65	37	2	3		0.29	0.4	0.41
8	1	1		0.51	0.5	0.72	38	2	4		0.32	0.2	0.66
9	1	1		0.43	0.9	0.78	39	2	2		0.50	0.4	0.36
10	1	3	2	0.25	0.1	0.94	41	3	4		0.53	0.1	0.69
11	1	4		0.23	0.2	0.56	42	3	2		0.29	0.1	0.84
12	1	1		0.38	0.2	0.56	43	3	2		0.41	0.3	0.59
14	1	2		0.36	0.3	0.56	45	3	1	1	0.52	0.3	0.55
16	1	4	2	0.52	0.6	0.57	46	3	3		0.49	0.2	0.77
17	1	4		0.34	0.5	0.78	47	3	2		0.54	0.3	0.43
18	1	4		0.42	0.3	0.52	49	3	4	2	0.33	0.3	0.55
19	1	2		0.44	0.9	0.55	50	3	1		0.38	0.4	0.82
21	2	1		0.40	0.3	0.69	51	3	1		0.35	3.9	0.77
22	2	4		0.18	0.1	0.93	53	3	3		0.50	0.3	0.55
23	2	3		0.44	0.2	0.45	54	3	4		0.36	0.2	0.75
24	2	3		0.45	0.3	0.63	56	3	2		0.23	0.6	0.33
26	2	1		0.46	1.3	0.73	57	3	4	2	0.46	0.2	0.53
27	2	4		0.34	0.1	0.81	58	3	3		0.44	0.2	0.60
28	2	2		0.46	0.4	0.60	59	3	1		0.50	0.3	0.63
30	2	1		0.40	0.6	0.86							

Mean Item-Total Corr.: 0.39, Mean p-value: 0.65

**Table 58. Constructed-Response Item Analyses, Grade 7 Mathematics**

Item #	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value	
					0	1	2	3	4			
3	1	4	2	0.69	49.19	22.09	27.84				0.9	0.39
7	1	4	2	0.59	31.74	19.44	18.94	25.79			4.1	0.45
13	1	2		0.65	43.47	18.99	32.71				4.8	0.42
15	1	2		0.76	16.77	32.19	25.26	24.67			1.1	0.52
20	1	1	1	0.75	45.61	19.58	9.46	10.58	13.20		1.6	0.31
25	2	1		0.55	17.75	22.28	59.51				0.5	0.71
29	2	3	1	0.66	30.95	45.83	17.28	4.58			1.4	0.31
33	2	3		0.31	0.40	26.09	73.03				0.5	0.86
35	2	2		0.71	10.35	22.31	38.76	28.25			0.3	0.62
40	2	4	1	0.65	67.47	11.76	8.50	3.57	6.80		1.9	0.17
44	3	4		0.55	25.03	33.13	40.88				1.0	0.57
48	3	1		0.71	48.76	33.44	11.18	5.98			0.7	0.25
52	3	1	1	0.41	23.95	35.60	39.57				0.9	0.57
55	3	4		0.59	65.39	25.12	3.18	4.01			2.3	0.14
60	3	3		0.63	19.96	9.51	28.19	19.05	22.01		1.3	0.53

Mean Item-Total Corr.: 0.61, Mean p-value: 0.45

**Table 59. Multiple-Choice Item Analyses, Grade 8 Reading**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
4	3	6	1	0.34	0.2	0.58	42	4	1	2	0.34	0.3	0.73
5	3	6	1	0.42	0.1	0.86	43	4	1	2	0.55	0.4	0.85
6	3	6	1	0.44	0.1	0.77	44	4	4	2	0.47	0.3	0.85
7	3	1	3	0.45	0.1	0.81	88	6	4	2	0.36	0.3	0.43
8	3	6	1	0.42	0.1	0.88	89	6	6	2	0.34	0.3	0.74
10	3	5		0.42	0.2	0.77	90	6	1	3	0.48	0.2	0.77
11	3	5		0.27	0.3	0.48	91	6	1	3	0.29	0.2	0.25
12	3	5		0.36	0.3	0.48	92	6	1	3	0.58	0.4	0.75
15	3	1	2	0.23	0.1	0.83	93	6	5		0.51	0.2	0.68
16	3	4	2	0.39	0.2	0.41	94	6	5		0.38	0.2	0.62
17	3	4	2	0.27	0.2	0.65	95	6	5		0.37	0.4	0.53
18	3	1	3	0.18	0.2	0.23	96	6	6	2	0.52	0.3	0.84
19	3	4	2	0.43	0.3	0.83	97	6	6	2	0.38	0.4	0.79
20	3	1	2	0.42	0.3	0.89	98	6	4	2	0.38	0.9	0.58
23	4	4	1	0.48	0.2	0.83	101	6	4	4	0.18	0.6	0.70
24	4	1	1	0.53	2.5	0.72	102	6	6	4	0.34	0.3	0.55
25	4	4	1	0.41	0.1	0.93	103	6	1	4	0.16	0.3	0.29
26	4	4	1	0.54	0.2	0.86	104	6	1	4	0.41	0.6	0.63
27	4	1	3	0.40	0.1	0.75	105	6	6	4	0.41	0.5	0.58
28	4	5		0.31	0.3	0.68	108	6	1	3	0.46	0.3	0.80
31	4	6	4	0.26	0.2	0.32	109	6	1	3	0.49	0.4	0.55
32	4	4	4	0.31	0.3	0.46	110	6	5		0.29	0.6	0.87
33	4	5		0.31	0.3	0.38	111	6	5		0.48	0.5	0.67
34	4	5		0.22	0.4	0.36	112	6	4	2	0.37	0.7	0.53
35	4	4	2	0.33	1.7	0.40	113	6	4	2	0.56	0.8	0.72
36	4	5		0.46	1.5	0.89	115	6	1	3	0.32	3.5	0.41
39	4	1	3	0.47	0.4	0.55	116	6	4	2	0.33	3.4	0.49
40	4	4	2	0.50	0.3	0.85	117	6	4	2	0.40	3.6	0.75
41	4	5		0.52	0.3	0.78	118	6	5		0.38	3.6	0.54

Mean Item-Total Corr. : 0.39, Mean p-value: 0.65

**Table 60. Constructed-Response Item Analyses, Grade 8 Reading**

Item #	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value
					0	1	2	3	4		
9	3	6	1	0.61	31.17	36.97	29.14			2.7	0.48
13	3	1	2	0.60	23.99	23.42	27.67	23.32		1.6	0.50
14	3	1	2	0.43	5.53	16.28	76.84			1.4	0.85
22	4	6	1	0.59	23.30	11.91	62.38			2.4	0.68
29	4	6	4	0.45	55.16	16.53	24.85			3.5	0.33
30	4	6	4	0.60	26.72	27.46	41.10			4.7	0.55
37	4	1	2	0.54	40.12	34.51	18.37	3.77		3.2	0.28
38	4	4	2	0.46	20.74	50.65	27.37			1.3	0.53
87	6	1	2	0.57	35.54	40.86	17.59	2.77		3.2	0.28
99	6	6	4	0.55	35.81	51.33	8.21			4.7	0.34
100	6	6	4	0.38	66.54	21.47	6.88			5.1	0.18
106	6	1	2	0.65	24.61	21.99	50.73			2.7	0.62
107	6	5		0.63	32.38	19.06	17.07	23.47		8.0	0.41
114	6	5		0.64	27.78	6.93	13.61	42.39		9.3	0.54

Mean Item-Total Corr.: 0.55, Mean p-value: 0.47

**Table 61. Multiple-Choice Item Analyses, Grade 8 Writing**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
45	5	3	8	0.34	0.1	0.83	65	5	3	7	0.25	6.0	0.47
46	5	3	8	0.38	0.1	0.45	66	5	3	8	0.43	0.2	0.30
47	5	3	8	0.50	0.2	0.72	67	5	3	8	0.49	0.2	0.54
48	5	3	8	0.51	0.1	0.80	68	5	2	7	0.47	0.2	0.87
49	5	3	8	0.45	0.1	0.63	70	5	2	5	0.53	0.2	0.73
50	5	3	8	0.40	0.2	0.58	71	5	3	8	0.29	0.2	0.48
51	5	3	8	0.45	0.8	0.69	72	5	3	7	0.24	0.4	0.91
52	5	3	7	0.44	0.3	0.79	73	5	2	5	0.48	0.2	0.79
53	5	3	7	0.41	0.4	0.68	74	5	2	7	0.41	0.3	0.54
54	5	3	7	0.22	0.8	0.32	75	5	3	7	0.52	0.3	0.84
55	5	3	7	0.53	0.4	0.81	76	5	2	5	0.31	0.3	0.38
56	5	3	7	0.49	5.2	0.78	77	5	2	5	0.29	0.4	0.46
57	5	2	8	0.48	0.3	0.90	78	5	2	5	0.36	0.2	0.68
58	5	2	8	0.49	0.4	0.57	79	5	2	5	0.45	0.2	0.71
59	5	2	8	0.47	0.6	0.81	80	5	2	5	0.44	0.3	0.76
60	5	3	7	0.17	0.3	0.24	81	5	3	8	0.44	0.4	0.48
61	5	3	7	0.41	0.3	0.54	82	5	3	8	0.49	0.5	0.61
62	5	3	7	0.50	0.3	0.74	83	5	3	8	0.56	1.9	0.63
63*	5	3	7	0.40	0.3	0.73	84	5	2		0.44	0.2	0.72
64	5	3	7	0.38	0.3	0.76	85	5	2	5	0.48	0.3	0.85

Mean Item-Total Corr.: 0.42, Mean p-value: 0.65

\* Item removed from calibration

**Table 62. Constructed-Response Item Analyses, Grade 8 Writing**

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value	
						0	1	2	3	4			
1		1	2	6	0.11	0.72	99.23					0.1	0.99
2	A	2	3	8	0.55	33.75	65.30					1.0	0.65
2	B	2	3	8	0.17	39.00	60.05					1.0	0.60
2	C	2	3	8	0.42	74.33	24.72					1.0	0.25
2	D	2	3	8	0.31	46.07	52.98					1.0	0.53
2	E	2	3	7	0.36	74.29	24.73					1.0	0.25
2	F	2	3	7	0.55	39.75	59.30					1.0	0.59
3	A	2	2	6	0.62	0.35	4.37	45.52	43.02	6.51		0.2	0.63
3	B	2	2	6	0.63	0.04	4.83	46.18	42.46	6.28		0.2	0.62
3*	C	2	3	6	0.45	0.06	10.60	89.12				0.2	0.94
21		3	2	5	0.60	0.30	4.26	47.32	36.86	9.90		1.4	0.62
69		5	2	5	0.62	0.88	5.21	34.03	47.25	10.44		2.2	0.64
86		5	2	5	0.56	0.20	6.60	43.70	43.94	3.83		1.7	0.60

Mean Item-Total Corr. : 0.46, Mean p-value: 0.61

\* Item removed from calibration

**Table 63. Multiple-Choice Item Analyses, Grade 8 Mathematics**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
1	1	2		0.45	0.1	0.75	32	2	3	2	0.40	0.1	0.60
2	1	3		0.37	0.3	0.42	33	2	4	3	0.15	0.3	0.26
3	1	4	2	0.43	0.2	0.55	34	2	1		0.34	0.3	0.35
5	1	4	3	0.49	0.6	0.39	36	2	3		0.33	0.3	0.40
7	1	3		0.53	0.5	0.52	37	2	4	3	0.33	0.2	0.24
9	1	4		0.40	0.2	0.58	38	2	1		0.55	0.3	0.46
10	1	4	2	0.36	0.3	0.24	39	2	2	1	0.48	0.3	0.49
11	1	4	3	0.36	0.2	0.13	41	3	3		0.36	0.1	0.84
12	1	1		0.50	0.6	0.67	42	3	2		0.56	0.3	0.38
14	1	2	1	0.40	0.4	0.51	43	3	1	2	0.44	0.1	0.76
15	1	3		0.41	0.3	0.72	45	3	2		0.31	0.5	0.38
16	1	1		0.34	0.5	0.62	47	3	2	2	0.36	0.3	0.32
17	1	1		0.40	10.0	0.70	48	3	4	2	0.18	0.3	0.85
18	1	2	1	0.36	0.5	0.32	50	3	2	1	0.61	0.2	0.51
19	1	2		0.39	1.0	0.52	51	3	4		0.34	0.6	0.44
21	2	1	2	0.37	0.2	0.67	52	3	4	2	0.22	0.2	0.54
22	2	4	3	0.43	0.1	0.52	53	3	1		0.47	0.2	0.76
23	2	2	1	0.58	0.1	0.56	54	3	4		0.45	0.3	0.67
24	2	2		0.26	0.1	0.76	56	3	3		0.37	0.4	0.61
26	2	4	2	0.33	0.2	0.48	57	3	1		0.50	0.6	0.66
27	2	3		0.17	0.3	0.11	58	3	3		0.42	0.3	0.63
29	2	4		0.31	0.2	0.69	59	3	1	2	0.45	0.5	0.66
30	2	1		0.20	0.5	0.65							

Mean Item-Total Corr.: 0.39, Mean p-value:0.53

**Table 64. Constructed-Response Item Analyses, Grade 8 Mathematics**

Item #	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value
					0	1	2	3	4		
4	1	2	1	0.52	3.89	21.79	36.75	37.19		0.4	0.69
6	1	2	1	0.63	32.62	20.16	42.63			4.6	0.53
8	1	1		0.41	21.20	34.33	43.23			1.2	0.60
13	1	4	3	0.57	64.56	9.86	21.65	2.35		1.6	0.20
20	1	1		0.76	43.62	18.52	9.99	11.00	14.73	2.2	0.33
25	2	3		0.45	88.04	5.16	5.90			0.9	0.08
28	2	4		0.63	43.75	35.23	17.58	1.52		1.9	0.25
31	2	2	1	0.65	33.29	46.30	19.49			0.9	0.43
35	2	3		0.70	27.77	14.02	32.12	24.74		1.4	0.51
40	2	2	1	0.63	2.44	7.82	32.86	42.93	13.39	0.6	0.64
44	3	4	3	0.65	53.66	14.32	27.80			4.2	0.35
46	3	3	2	0.74	38.58	20.42	19.67	19.30		2.0	0.39
49	3	1		0.67	41.18	30.48	27.26			1.1	0.42
55	3	1	2	0.63	31.87	32.64	26.34	7.72		1.4	0.36
60	3	4	3	0.71	38.78	5.70	20.31	7.16	26.00	2.1	0.43

Mean Item-Total Corr.: 0.62, Mean p-value: 0.41

**Table 65. Multiple-Choice Item Analyses, Grade 8 Science**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
1	1	3	5	0.11	0.1	0.36	43	2	4		0.27	0.1	0.78
2	1	1	1	0.25	0.1	0.49	44	2	3	5	0.33	0.1	0.77
3	1	2		0.48	0.1	0.79	45	2	3	6	0.20	0.1	0.49
4	1	1	1	0.39	0.0	0.78	46	2	4	7	0.16	0.4	0.28
5	1	2	3	0.32	0.1	0.57	48	2	1	2	0.16	0.1	0.70
6	1	3	6	0.10	0.1	0.62	49	2	2	4	0.43	0.4	0.67
7*	1	3	6	0.33	0.1	0.81	51	2	2	3	0.29	0.2	0.71
8	1	3	6	0.24	0.1	0.66	52	2	4	7	0.46	3.4	0.80
10	1	4	7	0.37	0.2	0.46	53	2	3	6	0.34	0.2	0.55
11	1	3	6	0.27	0.1	0.51	55	2	3	5	0.35	0.2	0.58
12	1	3	6	0.41	0.1	0.75	57	3	3	6	0.25	0.0	0.49
14	1	1		0.43	0.1	0.47	58	3	4	7	0.33	0.6	0.43
16	1	1	2	0.36	0.1	0.57	59	3	2	3	0.37	0.1	0.77
17	1	3		0.49	0.1	0.81	61	3	2	4	0.44	0.1	0.64
18*	1	3		0.40	0.2	0.76	63	3	2	3	0.43	0.4	0.53
19	1	2		0.51	0.2	0.65	66	3	4	7	0.30	0.3	0.70
26	2	1	1	0.30	0.2	0.68	67	3	4	8	0.23	0.3	0.16
27	2	2	3	0.45	0.1	0.82	68	3	3	6	0.47	0.3	0.78
28	2	2	3	0.34	0.4	0.93	69	3	2	3	0.09	0.1	0.40
29	2	1	2	0.44	0.7	0.79	71	3	1	1	0.39	0.1	0.68
30	2	1	2	0.44	0.1	0.71	72	3	3	5	0.27	0.2	0.74
31	2	1	1	0.50	0.3	0.57	73	3	2	4	0.46	0.2	0.59
32	2	4	8	0.42	0.3	0.44	74	3	1	1	0.38	0.1	0.82
33	2	2	4	0.35	0.6	0.51	75	3	1	1	0.50	0.2	0.79
35	2	4	8	0.16	0.3	0.40	76	3	4		0.47	0.2	0.58
37	2	4	8	0.28	0.2	0.27	78	3	4	7	0.22	0.1	0.41
38	2	1		0.46	0.1	0.75	79	3	1	1	0.42	0.2	0.77
39	2	3	5	0.39	0.1	0.70	80	3	1	2	0.32	0.1	0.90
40	2	1		0.34	0.1	0.35	82	3	2	3	0.33	0.2	0.76
41	2	2	4	0.18	0.2	0.28	83	3	4	8	0.36	0.4	0.49

Mean Item-Total Corr.: 0.34, Mean p-value: 0.62

\* Item removed from calibration

**Table 66. Constructed-Response Item Analyses, Grade 8 Science**

Item #	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value
					0	1	2	3	4		
9	1	3	5	0.60	34.65	31.56	29.78			4.0	0.46
13	1	3	6	0.22	92.95	6.47				0.6	0.06
15	1	1		0.36	52.01	46.57				1.4	0.47
20	1	1	1	0.48	45.63	53.43				0.9	0.53
21	1	1	1	0.28	31.12	68.14				0.7	0.68
22	1	1	1	0.50	24.31	25.56	47.58			2.6	0.60
23	1	1	1	0.49	37.49	60.61				1.9	0.61
24	1	1	2	0.59	19.12	15.27	13.65	22.55	28.54	0.9	0.56
25	1	1	2	0.61	14.30	27.96	55.75			2.0	0.70
34	2	4	7	0.50	48.94	46.32	2.43			2.3	0.26
36	2	2	4	0.38	20.73	71.34	7.20			0.7	0.43
42	2	1	1	0.62	10.98	44.12	44.09			0.8	0.66
47	2	4	7	0.35	38.31	51.46	6.68			3.6	0.32
50	2	2	4	0.45	62.91	15.63	10.44			11.0	0.18
54	2	4	8	0.54	30.68	50.54	16.04			2.7	0.41
56	3	4	8	0.33	32.46	44.44	17.18	4.36		1.6	0.31
60	3	2	3	0.47	57.63	29.30	10.90			2.2	0.26
62	3	3	5	0.57	52.35	35.40	8.07			4.2	0.26
64	3	3	5	0.51	51.92	43.62				4.5	0.44
65	3	1	1	0.68	32.58	23.22	22.83	20.18		1.2	0.43
70	3	2	4	0.37	80.61	14.91				4.5	0.15
77	3	1	2	0.37	15.31	84.04				0.7	0.84
81	3	1	2	0.40	37.04	61.27				1.7	0.61

Mean Item-Total Corr.: 0.46, Mean p-value: 0.44



**Table 67. Multiple-Choice Item Analyses, Grade 9 Reading**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
6	3	1	2	0.22	0.2	0.85	40	4	5		0.43	0.4	0.66
7	3	4	2	0.41	0.2	0.49	41	4	5		0.29	0.4	0.44
8	3	4	2	0.26	0.3	0.68	42	4	5		0.41	0.3	0.85
9	3	1	3	0.21	0.3	0.23	45	4	1	3	0.49	0.4	0.52
10	3	4	2	0.42	0.3	0.87	46	4	1	3	0.46	0.5	0.74
11	3	1	2	0.40	0.3	0.90	47	4	1	2	0.43	0.5	0.72
13	3	6	1	0.36	0.2	0.79	48	4	1	2	0.51	0.8	0.79
14	3	6	1	0.37	0.3	0.72	49	4	4	2	0.59	0.6	0.82
15	3	1	3	0.45	0.2	0.48	50	4	6	2	0.50	0.7	0.63
16	3	1	3	0.50	0.3	0.77	95	6	4	4	0.21	0.3	0.72
17	3	1	3	0.22	1.7	0.32	96	6	6	4	0.35	0.2	0.57
18	3	4	1	0.47	2.2	0.81	97	6	1	4	0.19	0.2	0.33
19	3	6	4	0.32	0.2	0.67	98	6	1	4	0.42	0.4	0.67
20	3	4	4	0.41	0.4	0.59	99	6	6	4	0.42	0.4	0.60
21	3	1	4	0.48	0.5	0.82	101	6	4	1	0.49	0.2	0.74
22	3	6	4	0.24	1.0	0.58	102	6	4	1	0.31	0.2	0.86
23	3	5		0.40	1.3	0.60	103	6	1	1	0.46	0.3	0.85
25	4	1	1	0.39	0.4	0.72	105	6	1	1	0.42	0.2	0.58
28	4	4	1	0.51	0.2	0.61	106	6	5		0.56	0.2	0.89
29	4	1	3	0.28	0.2	0.55	108	6	1	2	0.49	0.3	0.71
30	4	6	1	0.32	0.3	0.28	109	6	1	2	0.50	0.3	0.84
31	4	5		0.29	0.3	0.51	110	6	4	2	0.50	0.3	0.84
32	4	5		0.29	0.3	0.62	111	6	4	2	0.56	0.3	0.82
33	4	5		0.50	0.3	0.84	112	6	5		0.41	0.4	0.68
34	4	5		0.29	1.6	0.49	113	6	5		0.43	0.3	0.61
35	4	1	2	0.43	0.1	0.61	114	6	1	3	0.46	0.3	0.65
36	4	1	3	0.41	0.2	0.65	115	6	5		0.52	0.5	0.63
37	4	1	3	0.18	0.3	0.29	116	6	5		0.51	0.2	0.64
39	4	5		0.38	0.4	0.45	117	6	5		0.52	0.2	0.86

Mean Item-Total Corr.: 0.40, Mean p-value: 0.66

**Table 68. Constructed-Response Item Analyses, Grade 9 Reading**

Item #	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value
					0	1	2	3	4		
4	3	1	2	0.59	19.41	22.77	27.83	28.57		1.4	0.55
5	3	1	2	0.40	3.89	11.73	83.20			1.2	0.89
12	3	6	1	0.44	3.65	23.71	46.62	24.17		1.9	0.63
26	4	1	1	0.68	19.64	15.14	17.68	41.83		5.7	0.59
27	4	6	1	0.53	23.94	42.31	30.33			3.4	0.51
38	4	1	2	0.56	27.87	43.23	23.71			5.2	0.45
43	4	4	2	0.69	19.97	20.68	27.68	25.69		6.0	0.51
44	4	4	2	0.62	5.07	21.74	30.24	37.58		5.4	0.65
93	6	6	4	0.56	31.89	54.16	9.21			4.7	0.36
94	6	6	4	0.42	61.14	24.14	9.18			5.6	0.21
100	6	6	1	0.60	32.12	15.63	19.09	27.52		5.6	0.45
104	6	4	1	0.44	28.36	42.01	26.05			3.6	0.47
107	6	5		0.68	10.39	13.97	24.59	45.47		5.6	0.67
118	6	5		0.50	22.00	54.87	20.41			2.7	0.48

Mean Item-Total Corr.: 0.55, Mean p-value: 0.53

**Table 69. Multiple-Choice Item Analyses, Grade 9 Writing**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
51	5	2		0.44	0.1	0.54	72	5	3	7	0.51	0.2	0.69
52	5	3	8	0.30	0.1	0.29	73	5	3	7	0.44	0.6	0.81
53	5	3	8	0.43	0.3	0.60	74	5	3	7	0.46	0.2	0.68
54	5	3	8	0.47	0.3	0.72	75	5	2	7	0.52	0.2	0.81
55	5	3	8	0.39	0.4	0.56	76	5	3	7	0.43	0.3	0.43
56	5	3	8	0.49	0.4	0.66	77	5	3	7	0.53	0.4	0.84
57	5	3	8	0.50	0.7	0.67	78	5	3	8	0.28	0.2	0.50
58	5	3	8	0.30	0.8	0.42	79	5	2	5	0.45	0.2	0.86
59	5	3	8	0.40	1.4	0.62	80	5	3	7	0.33	0.4	0.58
60	5	3	7	0.50	0.3	0.82	81	5	2	5	0.45	0.4	0.75
61	5	3	7	0.43	0.4	0.70	82	5	2	8	0.55	0.4	0.73
62	5	3	7	0.37	0.5	0.65	83	5	3	7	0.41	0.5	0.50
63	5	3	7	0.52	0.5	0.66	84	5	3	8	0.44	0.2	0.73
64	5	3	7	0.42	0.2	0.58	85	5	3	8	0.40	0.5	0.48
65	5	3	7	0.50	0.4	0.80	86	5	3	8	0.46	0.3	0.39
66	5	2	5	0.51	0.1	0.71	87	5	2		0.41	0.3	0.51
67	5	2	5	0.56	0.1	0.79	88	5	2		0.47	0.3	0.88
68	5	2	5	0.55	0.3	0.70	89	5	2		0.31	0.4	0.35
69	5	2	5	0.50	0.3	0.86	90	5	2		0.51	0.4	0.61
71	5	2	8	0.44	0.2	0.48	91	5	2		0.50	0.3	0.65

Mean Item-Total Corr.: 0.45, Mean p-value: 0.64

**Table 70. Constructed-Response Item Analyses, Grade 9 Writing**

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value	
						0	1	2	3	4			
1		1	2	6	0.16	1.25	98.74					0.0	0.99
2	A	2	3	7	0.48	20.47	78.05					1.5	0.78
2	B	2	3	7	0.44	9.04	89.47					1.5	0.89
2	C	2	3	7	0.49	61.02	37.49					1.5	0.37
2	D	2	3	8	0.21	20.55	77.97					1.5	0.78
2	E	2	3	8	0.40	54.01	44.50					1.5	0.45
2	F	2	3	8	0.31	12.85	85.67					1.5	0.86
3	A	2	2	6	0.62	1.02	5.61	61.58	29.17	2.28		0.3	0.56
3	B	2	2	6	0.64	0.02	6.32	61.74	28.91	2.69		0.3	0.57
3	C	2	3	6	0.52	0.19	15.51	83.97				0.3	0.92
24		3	2	5	0.62	0.40	4.85	45.25	40.30	6.97		2.2	0.61
70		5	2	5	0.64	0.36	6.59	47.24	41.31	3.06		1.4	0.59
92		5	2	5	0.62	0.33	7.93	49.97	33.80	5.20		2.8	0.58

Mean Item-Total Corr.: 0.47, Mean p-value: 0.69

**Table 71. Multiple-Choice Item Analyses, Grade 9 Mathematics**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
1	1	4		0.35	0.2	0.68	31	2	1		0.16	0.2	0.36
2	1	1	2	0.43	0.4	0.79	32	2	2	1	0.56	0.2	0.62
3	1	1		0.51	0.2	0.66	33	2	3		0.34	0.7	0.29
5	1	4	2	0.33	0.2	0.51	35	2	4		0.35	0.3	0.27
6	1	2		0.41	0.3	0.61	37	2	4		0.41	0.2	0.47
7	1	2	1	0.44	0.2	0.71	38	2	2	1	0.56	0.4	0.72
9	1	3		0.54	0.4	0.55	39	2	4	2	0.20	0.6	0.55
10	1	4	2	0.46	0.3	0.35	41	3	4		0.14	0.1	0.93
11	1	3		0.41	0.2	0.45	42	3	2		0.45	0.3	0.48
13	1	3		0.40	0.3	0.81	44	3	3	2	0.38	0.4	0.66
14	1	2		0.38	0.3	0.83	45	3	4		0.31	0.5	0.58
16	1	4		0.27	0.4	0.61	47	3	1		0.53	0.4	0.61
17	1	2		0.26	0.6	0.38	48	3	1		0.23	0.4	0.52
18	1	3		0.34	0.5	0.41	49	3	2		0.21	0.3	0.48
19	1	4	2	0.42	0.7	0.27	51	3	3		0.35	0.2	0.37
21	2	3		0.41	0.3	0.43	52	3	3		0.26	0.3	0.28
22	2	1		0.44	0.3	0.80	53	3	2		0.35	0.3	0.36
23	2	1		0.40	0.6	0.82	55	3	1		0.42	0.7	0.68
25	2	1	2	0.39	0.3	0.70	56	3	3		0.54	0.4	0.77
26	2	2		0.39	0.2	0.83	57*	3	2		0.01	0.5	0.46
28	2	3		0.40	0.2	0.60	58	3	2		0.46	0.6	0.62
29	2	4		0.34	0.2	0.35	59	3	4		0.20	0.8	0.46
30	2	1	2	0.40	0.3	0.58							

Mean Item-Total Corr.: 0.37, Mean p-value: 0.56

\* Item removed from calibration

**Table 72. Constructed-Response Item Analyses, Grade 9 Mathematics**

Item #	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value
					0	1	2	3	4		
4	1	1	2	0.66	65.10	18.34	14.00			2.6	0.23
8	1	2	1	0.68	13.96	29.06	26.49	26.55		3.9	0.54
12	1	1	2	0.69	35.44	32.95	30.28			1.3	0.47
15	1	4		0.57	67.04	15.65	10.88	3.07		3.4	0.16
20	1	2	1	0.72	12.91	17.11	34.74	26.97	5.67	2.6	0.48
24	2	2	1	0.68	29.44	47.30	22.04			1.2	0.46
27	2	4		0.64	46.34	31.74	16.64	2.30		3.0	0.24
34	2	2	1	0.69	19.30	32.89	27.83	17.55		2.4	0.47
36	2	3		0.62	40.93	38.03	19.25			1.8	0.38
40	2	4		0.55	59.83	28.03	2.79	2.72	4.59	2.1	0.15
43	3	2	1	0.64	62.32	21.08	12.65			4.0	0.23
46	3	1	2	0.70	51.90	25.73	7.06	12.74		2.6	0.26
50	3	3		0.58	31.59	42.54	23.71			2.2	0.45
54	3	3		0.60	17.93	53.72	15.54	10.11		2.7	0.38
60	3	3	1	0.64	15.62	38.38	31.61	8.18	2.89	3.3	0.34

Mean Item-Total Corr.: 0.64, Mean p-value: 0.35

**Table 73. Multiple-Choice Item Analyses, Grade 10 Reading**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
4	3	1	2	0.28	0.1	0.78	38	4	1	3	0.37	0.1	0.84
5	3	5		0.26	0.1	0.89	39	4	6	4	0.48	0.3	0.75
6	3	5		0.36	0.1	0.91	40	4	6	4	0.32	0.6	0.59
7	3	1	2	0.38	0.2	0.67	42	4	6	4	0.17	0.3	0.28
10	3	4	2	0.46	0.2	0.80	44	4	6	1	0.40	0.2	0.75
11	3	4	2	0.40	0.2	0.82	45	4	1	3	0.48	0.1	0.57
12	3	4	2	0.32	0.2	0.57	46	4	1	3	0.48	0.1	0.79
13	3	4	2	0.20	0.2	0.31	47	4	1	3	0.23	0.5	0.36
14	3	1	2	0.47	0.2	0.71	48	4	4	1	0.46	0.7	0.84
15	3	5		0.26	0.2	0.59	51	4	1	2	0.28	0.7	0.45
16	3	5		0.29	0.4	0.75	52	4	5		0.38	0.6	0.70
17	3	5		0.29	0.3	0.45	53	4	1	2	0.44	0.6	0.92
18	3	5		0.19	0.3	0.35	97	6	1	1	0.46	0.5	0.87
19	3	5		0.36	0.5	0.51	98	6	4	1	0.42	0.7	0.76
21	3	1	2	0.30	0.3	0.56	99	6	5		0.45	0.4	0.80
22	3	1	2	0.45	0.3	0.74	100	6	4	1	0.30	0.5	0.88
23	3	1	2	0.31	0.3	0.65	101	6	1	1	0.43	0.5	0.89
24	3	1	3	0.47	0.3	0.90	103	6	1	1	0.40	0.2	0.64
25	3	5		0.44	0.8	0.62	104	6	5		0.47	0.1	0.80
26	3	5		0.41	1.6	0.63	105	6	5		0.52	0.2	0.91
27	3	4	2	0.28	1.8	0.65	107	6	4	1	0.41	0.2	0.66
29	3	4	4	0.31	1.3	0.49	108	6	4	1	0.18	0.2	0.44
30	3	6	4	0.41	1.5	0.51	110	6	5		0.50	0.1	0.81
32	3	1	3	0.22	1.2	0.42	111	6	1	3	0.06	0.2	0.36
33	3	5		0.41	1.4	0.79	112	6	5		0.44	0.3	0.72
34	3	1	3	0.40	1.2	0.52	113	6	1	3	0.30	0.2	0.50
36	4	6	4	0.44	0.1	0.81	114	6	1	3	0.32	0.2	0.47
37	4	6	4	0.30	0.1	0.63							

Mean Item-Total Corr.: 0.36, Mean p-value: 0.66

**Table 74. Constructed-Response Item Analyses, Grade 10 Reading**

Item #	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value	
					0	1	2	3	4			
8	3	1	2	0.46	45.97	37.05	14.56				2.4	0.33
9	3	4	2	0.65	16.18	5.94	17.83	56.03			4.0	0.70
20	3	5		0.63	30.58	21.24	11.45	31.80			4.9	0.47
28	3	1	2	0.63	10.61	25.16	38.68	20.07			5.5	0.54
31	3	6	4	0.47	37.15	30.59	20.27	6.23			5.8	0.30
35	4	6	4	0.55	31.81	40.47	24.29				3.4	0.45
41	4	6	4	0.56	26.68	16.67	24.81	13.74	6.44		11.6	0.33
43	4	6	1	0.47	4.78	24.18	45.96	22.38			2.7	0.61
49	4	4	2	0.58	8.18	8.31	28.37	52.22			2.9	0.74
50	4	4	2	0.54	12.54	51.64	17.01	14.65			4.2	0.43
96	6	6	1	0.59	28.09	20.84	21.62	23.85			5.6	0.45
102	6	4	1	0.40	26.46	43.90	26.00				3.6	0.48
106	6	1	1	0.55	41.81	15.50	30.14	7.35			5.2	0.33
109	6	1	1	0.49	46.58	18.85	27.83				6.7	0.37

Mean Item-Total Corr.: 0.54, Mean p-value: 0.47

**Table 75. Multiple-Choice Item Analyses, Grade 10 Writing**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
54	5	3	7	0.34	0.1	0.56	75	5	3	8	0.34	0.3	0.60
55	5	2		0.35	0.2	0.86	76	5	3	8	0.20	0.3	0.53
56	5	3	8	0.47	0.1	0.78	77	5	2	8	0.44	0.2	0.67
57	5	3	8	0.40	0.4	0.57	78	5	2	8	0.39	0.4	0.45
58	5	3	7	0.46	0.1	0.91	79	5	3	7	0.47	0.3	0.70
59	5	3	7	0.53	0.2	0.88	80	5	3	7	0.40	0.7	0.66
60	5	3	7	0.50	0.1	0.84	81	5	3	7	0.53	0.4	0.73
61	5	3	7	0.52	0.3	0.89	82	5	3	7	0.46	0.7	0.81
62	5	3	8	0.49	0.2	0.88	83	5	2	7	0.53	0.3	0.85
63	5	3	7	0.42	0.2	0.46	84	5	3	7	0.46	0.4	0.51
64	5	3	7	0.23	0.4	0.34	85	5	3	7	0.53	0.6	0.79
65	5	3	7	0.26	0.3	0.26	86	5	3	7	0.06	0.4	0.43
66	5	2	5	0.25	0.2	0.53	87	5	3	7	0.30	0.4	0.39
67	5	2	5	0.52	0.2	0.87	88	5	2	8	0.45	0.3	0.66
68	5	2	5	0.41	0.3	0.72	89	5	2	8	0.41	0.3	0.75
69	5	3	7	0.36	0.1	0.76	90	5	2		0.46	0.5	0.84
70	5	2	5	0.46	0.2	0.71	91	5	2		0.36	0.4	0.51
71	5	2	5	0.57	0.2	0.81	92	5	3	7	0.39	0.4	0.45
72	5	2	5	0.51	0.1	0.88	93	5	3	7	0.59	0.4	0.85
74	5	3	7	0.19	0.2	0.41	94	5	2	8	0.58	0.4	0.75

Mean Item-Total Corr.: 0.41, Mean p-value: 0.67

**Table 76. Constructed-Response Item Analyses, Grade 10 Writing**

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value	
						0	1	2	3	4			
1		1	2	6	0.17	1.34	98.66					0.0	0.99
2	A	2	3	7	0.44	44.46	53.98					1.6	0.54
2	B	2	3	8	0.54	35.17	63.27					1.6	0.63
2	C	2	3	8	0.35	64.43	34.00					1.6	0.34
2	D	2	3	8	0.45	52.48	45.95					1.6	0.46
2	E	2	3	8	0.32	42.24	56.20					1.6	0.56
2	F	2	3	7	0.53	19.01	79.42					1.6	0.79
3	A	2	2	6	0.62	0.47	3.27	50.13	42.69	3.09		0.4	0.61
3	B	2	2	6	0.64	0.03	3.83	50.31	41.90	3.57		0.3	0.61
3	C	2	3	6	0.52	0.18	13.09	86.38				0.3	0.93
73		5	2	5	0.62	0.32	3.82	38.03	49.84	5.75		2.2	0.63
95		5	2	5	0.65	0.48	4.97	38.12	47.12	5.57		3.7	0.61
115		6	2	5	0.58	0.44	4.69	50.58	35.25	6.17		2.9	0.59

Mean Item-Total Corr.: 0.49, Mean p-value: 0.64

**Table 77. Multiple-Choice Item Analyses, Grade 10 Mathematics**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
1	1	1		0.18	0.1	0.60	31	2	3		0.25	0.2	0.33
2	1	1		0.18	0.4	0.51	33	2	4		0.18	0.3	0.53
3	1	3	2	0.19	0.4	0.31	35	2	1		0.39	0.2	0.53
5	1	4		0.39	0.1	0.70	36	2	2	1	0.54	0.3	0.56
6	1	3		0.38	0.2	0.46	37	2	1		0.38	0.2	0.60
7	1	3		0.28	0.4	0.43	38	2	1		0.43	0.2	0.68
8	1	1		0.22	0.7	0.21	39	2	2		0.42	0.6	0.53
10	1	4		0.25	0.2	0.89	41*	3	1		-0.19	0.2	0.18
11	1	2		0.40	1.4	0.42	42	3	3	2	0.39	0.1	0.68
12	1	1		0.46	0.2	0.78	43	3	4		0.21	0.6	0.49
13	1	4		0.46	0.5	0.28	44	3	2	1	0.59	0.2	0.69
14	1	1		0.57	0.4	0.54	46	3	3	2	0.29	0.2	0.88
16	1	4		0.42	0.3	0.59	47	3	4		0.58	0.5	0.33
17	1	2	1	0.46	0.4	0.74	49	3	4		0.22	0.8	0.43
19	1	2	1	0.30	0.3	0.68	50	3	4		0.24	0.3	0.50
21	2	4		0.40	0.2	0.35	51	3	1		0.50	0.2	0.64
22	2	3	2	0.48	0.1	0.83	52	3	3		0.33	0.2	0.38
23	2	2	1	0.35	0.1	0.23	53	3	2		0.32	0.2	0.53
24	2	4		0.40	0.4	0.22	55	3	2		0.45	0.4	0.56
26	2	1		0.39	0.4	0.58	56	3	2		0.21	0.4	0.35
27	2	2	1	0.53	0.3	0.74	58	3	3		0.39	0.3	0.62
29	2	3		0.38	0.2	0.83	59	3	2		0.36	0.4	0.62
30	2	3	2	0.45	0.2	0.65							

Mean Item-Total Corr.: 0.36, Mean p-value: 0.54

\* Item removed from calibration

**Table 78. Constructed-Response Item Analyses, Grade 10 Mathematics**

Item #	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value
					0	1	2	3	4		
4	1	2		0.54	20.34	13.79	64.24			1.6	0.71
9	1	2	1	0.67	60.90	20.72	7.98	6.66		3.7	0.19
15	1	3		0.58	31.89	49.37	17.16			1.6	0.42
18	1	4		0.62	54.07	25.78	13.60	3.77		2.8	0.21
20	1	4		0.50	75.05	13.71	4.25	1.04	0.67	5.3	0.07
25	2	4		0.69	44.92	28.69	23.74			2.7	0.38
28	2	3	2	0.53	18.77	49.66	8.11	21.74		1.7	0.44
32	2	1		0.59	26.35	60.94	10.59			2.1	0.41
34	2	2	1	0.68	13.96	23.07	26.34	31.74		4.9	0.57
40	2	2		0.74	22.23	32.94	15.97	2.68	23.76	2.4	0.42
45	3	3	2	0.49	61.05	17.20	20.24			1.5	0.29
48	3	4		0.74	57.36	14.02	13.01	13.35		2.3	0.27
54	3	2	1	0.52	4.36	65.37	28.87			1.4	0.62
57	3	1		0.70	44.09	30.55	7.15	15.37		2.8	0.30
60	3	3	1	0.68	11.23	44.05	26.78	15.11	0.93	1.9	0.37

Mean Item-Total Corr.: 0.62, Mean p-value: 0.38

**Table 79. Multiple-Choice Item Analyses, Grade 10 Science**

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
1	1	2	4	0.54	0.1	0.44	43	2	3	6	0.48	0.2	0.51
2	1	1	1	0.44	0.1	0.85	44	2	4	7	0.34	0.6	0.78
3	1	3	5	0.12	0.1	0.49	45	2	3	5	0.38	0.3	0.41
4	1	2	4	0.26	0.1	0.36	47	2	3	6	0.30	0.2	0.30
5	1	4	7	0.27	0.1	0.50	48	2	4	8	0.16	0.2	0.37
6	1	2	4	0.12	0.3	0.45	49	2	3	6	0.38	0.1	0.91
7	1	2	4	0.40	0.2	0.58	51	2	2	3	0.33	0.2	0.43
8	1	1	1	0.33	0.2	0.33	53	2	4	8	0.48	0.2	0.55
9	1	3	5	0.44	0.1	0.78	54	2	3	6	0.30	0.2	0.48
10	1	4	7	0.46	0.1	0.79	55	3	4	8	0.13	0.1	0.41
11	1	1		0.10	0.1	0.21	56	3	3	5	0.43	0.1	0.59
13*	1	4	8	0.04	0.1	0.33	57	3	2	3	0.32	0.1	0.40
14	1	1	1	0.47	0.1	0.88	59	3	4	7	0.26	0.1	0.54
15	1	3	5	0.19	0.2	0.40	60	3	2	4	0.34	0.2	0.59
16	1	2	3	0.35	0.1	0.40	61	3	1	2	0.43	0.2	0.79
17	1	1	2	0.45	0.2	0.73	62	3	4	8	0.55	0.2	0.79
18	1	3	5	0.44	0.1	0.65	64	3	1	1	0.45	0.3	0.72
19	1	3	6	0.47	0.2	0.60	65	3	1	1	0.50	0.2	0.72
20*	1	2	3	0.07	0.2	0.24	66	3	3	6	0.21	0.2	0.81
28	2	1	1	0.33	0.1	0.95	67	3	2	3	0.31	0.2	0.76
30	2	1	1	0.46	0.1	0.89	68	3	4	8	0.48	0.4	0.65
31	2	1	1	0.37	0.2	0.72	70	3	3	5	0.39	0.2	0.47
32	2	1	2	0.47	0.2	0.61	72	3	2	3	0.42	0.2	0.45
33	2	1	2	0.42	0.2	0.70	73	3	2	4	0.44	0.1	0.71
35	2	1		0.30	0.2	0.49	74	3	2	4	0.37	0.3	0.40
36	2	2	3	0.12	0.2	0.36	76	3	3	6	0.38	0.4	0.42
37	2	2	4	0.36	0.2	0.41	79	3	1	2	0.48	0.1	0.72
39	2	1		0.40	0.2	0.62	80	3	1		0.37	0.2	0.40
41	2	2	4	0.54	0.3	0.54	81	3	1	1	0.46	0.1	0.63
42	2	4	7	0.43	0.1	0.83	82	3	1	1	0.47	0.1	0.72

Mean Item-Total Corr.: 0.36, Mean p-value: 0.58

\* Item removed from calibration

**Table 80. Constructed-Response Item Analyses, Grade 10 Science**

Item #	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	p-Value
					0	1	2	3	4		
12	1	1		0.31	32.40	65.31				2.3	0.65
21	1	1	2	0.58	15.50	10.24	13.74	22.44	35.81	2.3	0.62
22	1	1	2	0.32	77.64	20.45				1.9	0.20
23	1	1	1	0.52	13.88	19.38	30.16	32.71		3.9	0.59
24	1	1	1	0.43	62.29	35.28				2.4	0.35
25	1	1	2	0.37	47.15	49.46				3.4	0.49
26	1	1	1	0.44	46.72	49.42				3.9	0.49
27	1	1	2	0.18	58.20	27.66	8.46			5.7	0.22
29	2	4	7	0.54	36.23	36.97	24.72			2.1	0.43
34	2	2	4	0.58	47.82	23.83	19.25			9.1	0.31
38	2	2	3	0.50	56.78	25.80	10.90			6.5	0.24
40	2	2	3	0.44	7.61	32.87	57.34			2.2	0.74
46	2	3	6	0.45	71.50	21.46	5.17			1.9	0.16
50	2	4	8	0.54	40.16	44.27	11.87			3.7	0.34
52	2	4	7	0.44	70.17	25.32				4.5	0.25
58	3	3	5	0.49	68.93	18.95	5.16			7.0	0.15
63	3	3	5	0.45	63.46	14.59	5.99			16.0	0.13
69	3	4	7	0.37	76.54	21.27				2.2	0.21
71	3	4	8	0.53	9.09	37.18	46.65			7.1	0.65
75	3	1	2	0.46	39.12	56.29				4.6	0.56
77	3	3	6	0.54	40.93	34.37	15.08			9.6	0.32
78	3	4	7	0.36	75.78	17.77				6.5	0.18
83	3	4	7	0.22	78.05	4.18	2.94			14.8	0.05

Mean Item-Total Corr.: 0.44, Mean p-value: 0.36



**Table 81. Item Parameter and Fit Summary,  
Multiple-Choice Items, Grade 3 Reading**

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
2	0.73	-0.93	0.11	17.7	21	0.75	-1.49	0.17	84.6
3	0.62	-2.67	0.20	20.2	23	0.82	1.34	0.08	20.7
4	0.67	-3.14	0.20	34.1	25	0.33	1.21	0.18	10.8
5	0.78	-1.18	0.17	14.5	26	0.57	2.60	0.21	5.3
6	0.71	-2.28	0.20	25.0	28	0.99	-0.52	0.16	15.1
9	1.26	-0.46	0.26	13.1	29	0.98	-0.71	0.16	5.1
10	1.17	0.29	0.28	36.3	30	0.73	0.05	0.17	9.1
11	1.08	-0.79	0.17	4.7	31	1.02	-1.29	0.24	5.4
12	0.42	-1.61	0.13	18.9	32	0.88	-0.67	0.33	3.2
13	0.83	-1.08	0.09	7.4	34	0.95	-1.04	0.25	21.5
15	0.65	0.14	0.17	20.1	35	1.46	-0.63	0.20	14.4
16	0.86	-1.12	0.05	13.0	36	1.09	-0.93	0.17	8.6
17	0.91	0.19	0.26	10.8	37	0.65	1.07	0.39	18.7
18	0.85	-0.61	0.17	9.9	38	0.46	-0.32	0.20	63.7
19	0.82	-0.40	0.13	1.9	39	1.28	0.19	0.22	25.1
20	0.94	-1.32	0.20	10.0	40	0.92	-1.28	0.09	5.2

M1=62.6065, M2=559.1678, N=51,797

**Table 82. Item Parameter and Fit Summary,  
Constructed-Response Items, Grade 3 Reading**

Item	f	g1	g2	g3	g4	Fit-Z
1	0.53	1.15	-0.24	-0.06		107.4
7	0.80	-1.50	-0.01			242.3
8	1.26	-0.44	-0.38			32.1
14	0.94	0.80	-0.06			33.0
22	0.49	1.39	-0.34	-1.01		98.7
24	0.58	1.93	-1.46	-0.39		117.1
27	0.77	0.08	0.07			91.1
33	0.96	-0.50	-0.65	-0.29		23.9

M1=62.6065, M2=559.1678, N=51,797

**Table 83. Item Parameter and Fit Summary,  
Multiple-Choice Items, Grade 3 Spanish Reading**

Item	a	b	C	Fit-Z	Item	a	b	c	Fit-Z
3	1.08	2.69	0.20	9.1	21	1.18	-2.11	0.20	-0.7
4	0.43	-0.33	0.20	0.5	22	0.63	-0.50	0.20	-0.6
5	0.43	2.28	0.16	2.3	23	1.04	-1.49	0.16	-0.1
6	0.52	3.32	0.15	2.5	24	0.84	-1.75	0.20	1.2
7	0.66	1.80	0.12	-0.4	27	0.56	-2.17	0.20	1.0
9	0.53	0.60	0.17	1.0	28	0.84	-0.85	0.20	-0.7
10	0.50	-0.29	0.17	-0.2	29	0.35	-1.77	0.20	1.9
11	0.66	-0.62	0.16	1.7	30	0.63	0.20	0.20	-1.0
12	0.53	0.55	0.21	0.5	31	0.92	0.02	0.23	-0.2
13	0.59	1.68	0.14	0.1	33	0.58	-0.21	0.20	1.8
14	0.18	4.14	0.20	-0.2	34	1.76	2.73	0.24	-0.2
15	0.76	-1.09	0.20	0.1	35	0.30	4.45	0.25	-0.2
16	0.72	-1.60	0.20	0.1	37	1.11	-0.95	0.15	-0.5
18	0.83	-1.01	0.20	-0.2	38	0.77	-0.30	0.20	2.3
19	0.94	-0.99	0.20	0.6	39	0.90	-0.12	0.19	0.9
20	0.78	-0.84	0.17	1.2	40	0.58	-0.05	0.17	1.1

M1=36.0001, M2=528.0035, N=1,706

**Table 84. Item Parameter and Fit Summary, Constructed-  
Response Items, Grade 3 Spanish Reading**

Item	f	g1	g2	g3	g4	Fit-Z
1	0.46	0.99	-0.98	-0.42		1.4
2	0.63	0.81	-0.58	-1.69		1.8
8	0.96	-0.80	-0.49			0.8
17	0.93	-0.79	-2.32			0.7
25	0.99	-1.66	-0.76			0.6
26	0.59	0.33	0.28			5.2
32	0.66	-0.42	0.18	2.02		1.5
36	1.09	-1.29	-0.47			-0.7

M1=36.0001, M2=528.0035, N=1,706

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

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	1.07	-0.29	0.41	13.5	21	0.99	0.05	0.17	23.1
2	0.66	-1.45	0.11	4.5	22	0.88	-1.69	0.20	6.0
3	0.66	-0.09	0.22	19.8	23	0.96	-2.10	0.24	1.0
4	1.06	-1.27	0.24	1.1	24	0.90	-0.85	0.32	4.7
6	0.80	-0.66	0.49	1.4	25	0.78	-0.39	0.23	6.0
7	0.87	-0.21	0.50	14.9	26	1.09	-0.43	0.25	15.8
8	0.80	-1.46	0.17	3.9	27	1.05	0.08	0.34	15.5
9	1.27	0.02	0.50	23.5	28	0.84	-0.29	0.16	9.2
10	1.07	-1.10	0.44	3.9	29	1.19	-1.36	0.35	1.9
11	0.92	-0.94	0.26	3.9	31	0.95	-0.88	0.22	5.1
13	0.83	-1.90	0.20	4.3	32	0.64	-1.26	0.28	6.8
14	0.71	-0.27	0.38	8.9	33	0.96	-1.65	0.22	4.9
15	1.10	-1.44	0.27	2.4	34	0.47	-2.96	0.20	4.0
16	1.01	-0.03	0.20	13.4	35	0.72	-2.00	0.20	21.1
17	1.03	-1.35	0.31	3.0	36	0.72	-1.36	0.17	3.8
18	1.00	-0.42	0.17	5.7	37	0.83	-1.31	0.08	13.4
19	1.27	-1.85	0.29	1.1	38	0.61	-1.72	0.20	22.3
20	0.70	-0.53	0.13	12.2					

M1=47.6587, M2=462.4121, N=39,922

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
5	A	1.50	-3.37				8.6
5	B	1.49	-1.20				11.4
5	C	2.33	-3.63				22.2
5	D	0.87	3.17				18.7
5	E	1.32	-1.99				13.4
5	F	1.33	-1.07				6.7
12	A	1.24	-4.68	3.84			81.1
12	B	1.90	-5.38				4.2
12	C	1.63	-1.98				5.2
12	D	1.91	-4.35				1.6
30	A	1.23	-3.99	1.84			99.0
30	B	2.03	-4.94				3.1
30	C	1.88	-2.65				3.4
30	D	2.02	-3.67				1.7
39	A	1.16	-3.16	2.36			36.4
39	B	1.38	-3.33				31.6
39	C	1.73	-2.05				8.4
39	D	1.66	-2.93				10.8

M1=47.6587, M2=462.4121, N=39,922

**Table 87. Item Parameter and Fit Summary,  
Multiple-Choice Items, Grade 3 Spanish Writing**

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	1.36	-2.53	0.20	-1.4	21	0.52	-0.97	0.20	0.3
2	0.84	-1.69	0.20	-1.0	22	0.72	0.15	0.17	0.8
3	0.88	-1.96	0.20	1.5	23	0.67	-0.73	0.20	-0.8
5*	0.13	-1.24	0.20	2.8	24	0.53	-0.80	0.20	0.3
6	0.42	0.44	0.20	0.7	25	0.82	-1.00	0.20	-0.3
7	0.55	-1.34	0.20	0.4	26	0.62	1.05	0.17	2.9
8	0.45	-0.66	0.20	0.7	28	0.60	-0.68	0.20	-0.4
9	0.80	0.77	0.28	0.4	29	1.14	-1.62	0.20	-0.6
10	1.13	0.94	0.31	0.9	30	0.81	-1.79	0.20	0.2
11	0.78	-2.58	0.20	0.6	31	0.93	-1.06	0.18	-0.8
12	0.83	-1.62	0.20	-0.3	32	0.50	-0.23	0.20	1.3
13	0.94	-2.08	0.20	-1.2	33	0.61	-0.62	0.20	0.5
14	0.66	-1.23	0.20	0.3	34	1.22	-2.05	0.20	-0.8
15	0.54	-1.64	0.20	-0.1	35	1.13	-2.00	0.20	-0.7
17	0.81	-1.09	0.20	-1.3	36	0.83	-0.66	0.20	-0.4
18	0.65	1.60	0.17	0.6	37	0.48	0.38	0.19	0.7
19	0.65	1.51	0.17	-0.1	38	0.48	-1.53	0.20	0.1
20	0.61	-0.16	0.21	0.0					

M1=55.3049, M2=502.9153, N=1,550

\* Parameters from 2004 M1=53.6336, M2=516.4974, N=1,328

**Table 88. Item Parameter and Fit Summary,  
Constructed-Response Items, Grade 3 Spanish Writing**

Item	Part	f	g1	g2	g3	g4	Fit-Z
4	A	1.12	-1.69				-0.4
4	B	1.07	1.34				-0.1
4	C	1.11	-0.87				0.0
4	D	1.08	-0.59				1.9
4	E	1.15	-0.14				-0.4
4	F	0.80	-1.49				1.2
16	A	1.12	-2.24	0.46			0.5
16	B	1.27	-1.25				-0.7
16	C	1.63	-1.03				-0.1
16	D	1.70	-2.85				0.3
27	A	1.09	-1.10	1.11			1.4
27	B	1.72	-0.65				0.7
27	C	1.86	-0.45				0.3
27	D	1.43	-1.87				0.6
39	A	1.12	-1.23	0.88			-1.3
39	B	1.44	-0.38				1.7
39	C	1.73	-0.15				-0.4
39	D	1.46	-2.13				-0.1

M1=55.3049, M2=502.9153, N=1,550

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

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	1.00	-1.31	0.13	2.2	21	0.94	-0.54	0.22	6.3
2	0.76	-0.03	0.33	1.7	22	0.73	-0.65	0.15	6.2
3	0.94	-2.38	0.20	3.6	23	0.78	-0.59	0.18	4.0
5	0.60	-3.95	0.20	0.3	25	1.08	-0.31	0.11	6.4
6	0.72	-2.07	0.15	5.9	26	0.98	-2.49	0.11	4.7
7	0.70	-2.21	0.20	7.1	28	0.83	-0.31	0.05	13.2
8	0.66	-1.04	0.14	2.3	29	0.66	-3.14	0.20	5.3
10	0.75	-3.19	0.20	8.1	30	0.85	-1.85	0.08	8.4
11	0.74	-3.01	0.20	2.3	31	0.80	-0.72	0.14	0.4
12	0.79	-1.61	0.09	1.1	32	0.82	-2.27	0.20	8.4
13	0.59	-0.12	0.27	1.4	33	0.70	-1.96	0.15	1.8
14	0.81	-0.70	0.28	1.7	35	0.37	-3.47	0.20	0.7
15	0.80	-2.71	0.20	1.5	36	0.85	-2.16	0.20	2.2
16	1.12	-0.21	0.14	13.3	37	1.19	-1.41	0.06	38.8
18	0.67	-1.16	0.08	7.0	38	0.80	-1.41	0.12	0.9
19	0.60	-1.41	0.12	1.1	39	0.86	-1.84	0.14	2.7

M1= 75.2926, M2=473.6156, N=43,929

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

Item	f	g1	g2	g3	g4	Fit-Z
4	0.96	0.55	-1.18			22.1
9	1.11	-2.07	-0.95			9.7
17	1.01	-0.93	-1.20			14.7
20	1.10	-2.01	0.23	0.23		50.5
24	0.95	-0.85	0.89			39.9
27	0.88	-0.93	-1.21			9.4
34	0.78	-1.92	-0.96			18.5
40	1.13	-1.36	-0.76	0.58		44.4

M1= 75.2926, M2=473.6156, N=43,929

**Table 91. Item Parameter and Fit Summary,  
Multiple-Choice Items, Grade 4 Reading**

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
5	0.97	0.27	0.15	5.5	40	0.98	-0.98	0.18	2.0
6	0.32	0.04	0.20	10.3	41	0.79	0.36	0.26	9.2
7	0.78	-1.96	0.20	25.4	42	0.99	-1.68	0.17	4.6
8	1.04	-0.03	0.30	7.5	43	0.89	-0.43	0.19	3.1
9	1.20	-2.26	0.08	21.6	45	0.47	-1.97	0.20	26.1
10	0.95	-1.22	0.13	0.6	46	1.25	0.02	0.18	22.2
11	0.54	-1.11	0.20	63.7	47	0.77	-1.00	0.27	5.5
12	1.18	-0.88	0.21	0.9	48	1.15	0.14	0.20	13.0
13	0.90	0.16	0.25	3.5	49	0.63	0.08	0.13	19.4
15	0.65	0.56	0.35	2.7	50	0.84	-1.26	0.18	3.1
16	0.35	2.94	0.20	32.3	51	0.89	1.34	0.23	3.1
18	0.57	-1.58	0.20	9.4	52	0.79	1.22	0.22	5.6
19	1.27	0.37	0.21	40.4	96	0.85	-0.28	0.19	3.6
20	0.77	0.49	0.14	3.2	98	0.93	-1.35	0.20	10.7
22	1.20	1.26	0.34	8.4	99	1.49	-0.44	0.31	8.2
23	0.77	0.09	0.18	1.1	100	0.44	-1.08	0.20	97.9
25	0.92	-0.56	0.26	5.2	101	1.23	-1.80	0.11	4.7
26	1.17	-0.10	0.21	7.4	102	0.43	-0.22	0.15	6.7
28	0.69	-1.44	0.08	7.4	104	1.07	-1.19	0.39	7.8
29	0.64	-2.85	0.20	6.0	105	1.17	-1.30	0.19	2.3
30	0.68	-3.19	0.20	9.2	106	1.10	-1.12	0.24	0.4
31	0.85	-1.52	0.20	14.6	107	0.68	0.31	0.36	13.0
32	0.74	-2.14	0.20	5.8	108	0.89	-0.72	0.29	1.0
34	0.44	-1.30	0.20	37.9	110	1.39	-0.51	0.31	3.2
35	0.79	-0.72	0.15	3.9	111	0.95	-0.22	0.13	24.3
36	1.14	-0.61	0.22	0.5	112	1.52	-0.03	0.22	9.3
37	0.86	-1.92	0.20	19.4	113	1.76	-0.25	0.23	21.9
39	0.67	0.32	0.18	3.4	114	1.01	0.18	0.22	28.7

M1=52.5298, M2=590.0590, N=35,118

**Table 92. Item Parameter and Fit Summary,  
Constructed-Response Items, Grade 4 Reading**

Item	f	g1	g2	g3	g4	Fit-Z
4	0.36	5.30	-5.23	0.37		111.4
14	0.73	2.12	-0.85			7.6
17	0.61	-0.40	-0.14	0.61	1.08	15.0
21	0.69	0.14	1.37			6.6
24	0.80	1.41	-1.19			6.1
27	0.48	1.35	-0.56	-0.67		35.7
33	0.81	-1.69	-0.66			98.4
38	0.45	-0.81	0.50	0.19		23.3
44	0.54	0.24	-0.75			44.3
97	0.77	0.05	1.13			9.5
103	0.71	-0.87	-1.15	-1.08		21.2
109	0.76	0.25	1.17			51.3
115	0.85	-1.60	1.09	0.48		59.7
116	0.75	0.85	-0.25			8.5

M1=52.5298, M2=590.0590, N=35,118

**Table 93. Item Parameter and Fit Summary,  
Multiple-Choice Items, Grade 4 Spanish Reading\***

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**	1.08	0.40	0.26	-0.4	40	0.75	0.07	0.20	0.1
6**	0.37	-0.98	0.20	1.1	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**	0.94	-0.07	0.20	0.5
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**	0.98	-0.24	0.24	0.3
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	100	0.67	0.49	0.18	-1.1
20	0.14	0.37	0.20	1.3	101	0.95	0.76	0.18	0.3
21	0.91	-0.01	0.18	-0.3	102	0.81	-1.02	0.20	0.3
22	0.92	0.25	0.16	-0.1	103	0.87	-0.03	0.35	0.7
23	0.57	0.30	0.20	2.9	104	0.38	0.41	0.20	0.6
25	0.36	0.36	0.20	0.0	105	1.09	1.37	0.18	-0.2
26**	1.29	-0.76	0.40	0.2	106	1.08	0.59	0.24	-0.2
27	0.46	-0.70	0.20	-1.2	108	0.50	-0.55	0.20	0.1
29	0.46	1.17	0.20	-1.4	109	0.51	0.50	0.20	-0.3
31	0.79	1.68	0.19	1.8	110	0.96	-0.50	0.21	1.3
34	0.94	-0.95	0.20	-1.5	111	0.48	0.09	0.20	1.1
35	1.19	0.02	0.18	0.6	112	0.32	-1.53	0.20	1.7
36	0.87	-1.01	0.20	-0.3	113	0.70	-0.31	0.21	-1.1
37	0.77	0.92	0.20	0.1	114	0.82	0.19	0.24	-0.3
38	0.47	-0.26	0.20	-0.6					

\* Preequated from 2004 M1= 33.6050, M2= 534.8632, N=523

\*\* Preequated from 2005 M1= 39.5116, M2= 550.2315, N=489

**Table 94. Item Parameter and Fit Summary,  
Constructed-Response Items, Grade 4 Spanish Reading\***

Item	f	g1	g2	g3	g4	Fit-Z
13	0.57	-0.60	-0.85	0.97		0.1
14	0.44	0.17	2.84			0.7
28	0.92	-1.39	-0.76	-1.82		-2.0
30	0.72	1.18	0.29			-0.5
32	0.51	-0.10	0.50	0.59		1.2
33	0.82	-0.60	-0.16	-0.21		1.3
41	0.71	0.29	0.84			-0.3
43	0.53	-0.16	-0.41			1.7
44	0.80	0.04	4.70			-1.2
96	0.51	-0.50	0.36			-0.7
97	0.59	-0.40	0.16	0.37		-1.1
99	0.74	-0.30	0.90			-1.7
107	0.74	-0.47	-1.38			0.5
115	0.45	0.79	-1.94	1.37		1.4

\*Preequated from 2004 M1= 33.6050, M2= 534.8632, N=523

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

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
54	1.36	-1.07	0.31	3.5	74	1.19	-0.29	0.22	7.6
55	1.01	-2.24	0.20	7.6	75	0.74	-1.46	0.23	42.4
56	0.85	-1.13	0.42	1.4	77	0.93	-0.08	0.19	17.4
57	0.73	0.54	0.26	6.7	78	1.16	0.62	0.24	6.3
58	0.75	-0.59	0.50	1.4	79	1.21	0.26	0.24	6.5
59	1.29	-2.33	0.20	9.7	80	0.97	0.13	0.24	4.1
60	0.84	-1.52	0.20	12.0	81	1.35	0.22	0.26	10.8
61	0.84	-1.65	0.20	2.6	82	0.86	-0.49	0.38	4.5
62	0.76	-1.81	0.20	2.7	83	0.86	-0.77	0.23	14.8
63	0.84	-2.33	0.20	0.3	84	1.04	0.67	0.27	6.2
64	0.57	-1.32	0.20	0.6	85	1.11	-0.02	0.15	12.3
65	1.03	-1.73	0.11	7.3	86	0.82	-1.34	0.20	1.0
66	0.99	-1.42	0.38	-0.8	87	1.17	-1.60	0.25	10.2
67	0.48	-0.26	0.20	3.9	88	0.91	-0.39	0.14	19.8
68	0.65	-0.91	0.12	2.3	89	1.18	-1.44	0.33	3.4
69	0.70	-2.74	0.20	4.3	90	1.17	-0.88	0.14	12.7
70	0.92	-1.11	0.33	1.5	91	1.43	-0.76	0.14	11.1
71	0.86	-0.39	0.25	1.5	92	1.09	-0.45	0.43	4.4
72	1.13	-0.66	0.33	5.8	93	0.66	-0.74	0.14	2.8
73	0.93	-1.11	0.19	0.5	94	0.73	0.65	0.24	4.9

M1= 47.2581, M2=480.2663, N=34,607

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		0.56	-3.57				0.1
2	A	1.18	-0.19				5.2
2	B	1.11	1.05				1.4
2	C	0.83	0.42				6.6
2	D	1.27	-1.14				3.8
2	E	0.54	-2.05				1.5
2	F	1.34	1.34				5.4
3	A	1.12	-1.97	-3.41	-1.17	1.49	199.5
3	B	1.35	-5.14	-3.52	-0.92	1.74	34.2
3	C	1.65	-5.32	-2.86			8.0
53		0.88	-1.17	-1.70	0.42	3.19	103.2
76		1.14	-3.22	-2.37	0.20	3.56	37.9
95		0.87	-1.83	-1.88	1.08	1.97	65.1

M1= 47.2581, M2=480.2663, N=34,607



**Table 97. Item Parameter and Fit Summary,  
Multiple-Choice Items, Grade 4 Spanish Writing\***

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
48	0.63	-1.77	0.20	0.0	69	0.91	0.74	0.20	-0.5
49	0.77	-1.13	0.20	-0.4	70	0.56	0.45	0.20	2.2
50	0.61	-1.44	0.20	0.5	71	0.64	0.31	0.20	-0.1
51	0.41	1.19	0.20	-0.1	72	0.63	1.09	0.22	-1.1
52	0.73	-2.73	0.20	-1.3	73	0.96	-0.16	0.30	3.7
53	0.55	-0.15	0.20	0.9	74	0.37	1.69	0.21	-0.5
54**	0.56	-1.26	0.20	1.4	75	0.63	0.98	0.20	-0.3
55	0.56	-1.38	0.20	1.0	76	0.66	1.31	0.23	-1.1
56	0.67	0.91	0.19	-0.7	77	1.22	1.17	0.22	-0.8
57	1.01	0.64	0.31	0.9	78	0.23	-0.69	0.20	1.8
58	0.65	0.81	0.20	-0.5	79	1.64	1.21	0.26	-1.0
59	0.49	0.23	0.20	-0.7	80**	0.92	0.48	0.30	-0.9
60	1.10	0.64	0.30	-0.2	81	1.27	0.63	0.18	0.3
61	0.59	2.15	0.19	-0.8	82**	0.52	0.21	0.19	0.8
63	0.87	0.97	0.24	-0.2	83**	1.02	0.50	0.20	-0.6
64	1.09	-0.58	0.23	-1.5	84	1.10	0.81	0.19	1.5
65	1.12	0.33	0.35	0.5	85	0.32	2.81	0.20	-0.8
66	1.21	0.10	0.26	-0.7	86	0.95	1.37	0.19	-0.1
67	1.28	-0.24	0.20	-0.3	87	0.77	-0.23	0.20	-0.6
68	1.01	0.07	0.19	0.4	88	0.72	0.65	0.19	-0.5

\* Preequated from 2004 M1= 38.1156, M2= 519.2253, N=526

\*\* Preequated from 2005 M1= 36.9687, M2= 524.4168, N=490

**Table 98. Item Parameter and Fit Summary, Constructed-  
Response Items, Grade 4 Spanish Writing\***

Item	Part	f	g1	g2	g3	g4	Fit-Z
1**		0.44	-3.42				-1.7
2***	A	1.40	-2.79				-0.9
2***	B	1.11	-0.58				-0.2
2***	C	0.85	-1.11				-0.1
2***	D	0.54	-0.75				-0.1
2***	E	1.21	-0.81				0.2
2***	F	1.25	0.74				-0.5
3**	A	0.66	-0.06	-1.80	-0.33	2.52	1.6
3**	B	1.09	-3.73	-2.60	-0.00	3.15	-1.2
3**	C	1.14	-4.33	1.14			1.0
24**		0.57	0.21	-1.43	0.08	1.90	1.2
62**		0.33	3.62	-2.48	0.00	1.72	-1.6
89*		0.51	3.65	-2.61	0.34	2.34	-0.9

\* Preequated from 2004 M1= 38.1156, M2= 519.2253, N=526

\*\* Preequated from 2005 M1= 36.9687, M2= 524.4168, N=490

\*\*\*Preequated from 2002 M1= 39.9142, M2= 522.7280, N=1,001

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

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.85	-0.89	0.13	1.3	35	0.98	-0.40	0.16	3.0
2	1.03	-1.86	0.11	-0.3	37	0.65	0.32	0.11	-0.8
3	0.85	0.11	0.15	8.7	38	1.05	-0.70	0.14	11.4
4	1.03	-2.08	0.20	3.9	39	0.73	0.21	0.27	1.0
6	0.64	-3.98	0.20	3.0	40	1.12	-1.36	0.25	3.2
7	0.87	-2.76	0.20	0.5	42	0.96	-1.59	0.20	1.1
8	0.52	-2.18	0.20	1.9	43	0.31	-3.75	0.20	4.3
9	0.74	-2.06	0.20	4.3	44	0.66	-2.05	0.20	10.6
10	0.71	-1.36	0.08	1.0	45	0.66	-2.54	0.20	8.6
12	0.74	-3.02	0.20	6.6	47	0.79	-0.84	0.07	3.4
13	0.70	-2.32	0.14	1.9	48	1.34	-1.23	0.14	1.6
14	0.59	-2.51	0.20	-0.3	50	0.38	-4.95	0.20	0.1
16	0.84	-2.34	0.17	3.5	51	0.79	-0.70	0.22	6.9
17	0.77	-0.69	0.05	8.2	52	0.43	-2.84	0.20	19.9
19	0.45	-2.41	0.20	8.9	53	0.65	-0.57	0.22	1.2
20	0.93	0.18	0.18	3.5	55	0.97	-1.52	0.20	1.7
21	0.99	0.20	0.11	8.6	56	0.81	-2.51	0.20	0.5
22	0.72	-1.89	0.17	0.8	57	0.89	-0.63	0.10	5.5
24	0.79	-3.15	0.20	1.4	58	0.98	-0.58	0.24	10.0
25	0.27	1.26	0.20	16.5	60	1.21	-0.93	0.27	1.6
26	0.74	-0.95	0.05	10.0	61	1.21	-0.47	0.13	2.4
28	0.72	-3.23	0.20	0.1	62	0.83	-1.28	0.20	-0.5
29	0.64	-2.30	0.20	26.4	64	0.89	-0.37	0.14	1.9
30	0.96	-1.50	0.10	3.2	65	0.74	-2.30	0.20	0.6
31	0.58	-2.23	0.20	1.1	66	1.08	-1.29	0.19	4.8
33	0.62	-0.80	0.20	0.5	67	0.59	-0.97	0.19	0.2
34	0.84	-1.33	0.20	31.3	68	0.54	-0.07	0.08	-0.6

M1= 66.1937, M2=493.6488, N=36,504

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

Item	f	g1	g2	g3	g4	Fit-Z
5	0.69	-1.32	1.47			17.2
11	1.03	-1.07	-1.59			43.6
15	0.56	-2.10	-1.41	-0.14		20.3
18	0.87	-2.56	0.07	0.42		18.3
23	1.24	-1.86	-1.58	-1.30	0.68	62.5
27	0.96	-1.45	0.60			91.2
32	0.98	-0.65	-1.64			75.6
36	0.83	-0.23	1.14	-0.26		48.4
41	0.88	0.10	0.05	2.82		62.5
46	0.88	-2.26	-1.39	-0.69	-0.23	38.5
49	0.81	-2.84	-0.76			19.1
54	1.03	-1.80	-1.22	0.09		36.1
59	0.67	-1.97	-1.36			19.5
63	0.78	-0.61	-0.27	-0.60		53.6
69	0.67	-0.45	-0.30	0.69	0.56	8.0

M1= 66.1937, M2=493.6488, N=36,504

**Table 101. Item Parameter and Fit Summary,  
Multiple-Choice Items, Grade 5 Reading**

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
5	0.98	-1.19	0.30	9.8	40	1.10	-0.70	0.28	2.4
6	0.96	0.12	0.40	4.4	41	0.73	-1.51	0.12	2.4
7	1.09	-1.06	0.12	13.1	42	0.99	0.10	0.15	6.5
8	0.98	-1.08	0.17	0.8	43	0.17	3.93	0.20	5.3
9	0.65	-1.66	0.20	4.2	45	0.60	-0.24	0.20	3.3
10	1.04	-1.79	0.20	4.6	46	0.94	-1.37	0.15	0.8
13	0.92	-1.76	0.20	5.0	47	0.90	-0.04	0.27	6.0
14	0.60	-1.56	0.20	12.0	48	1.03	-1.87	0.16	3.8
15	0.96	-0.97	0.24	12.4	95	0.55	-1.47	0.20	102.7
17	0.47	-1.06	0.20	14.0	96	1.24	-1.54	0.19	8.5
18	0.95	-0.81	0.20	2.6	97	0.28	0.41	0.20	23.5
20	1.45	-0.24	0.30	4.2	98	0.64	-1.44	0.20	3.9
21	0.44	-1.48	0.20	16.7	99	0.63	-1.06	0.08	13.9
22	1.03	-0.40	0.29	3.8	100	0.89	-0.24	0.27	12.7
23	0.65	0.37	0.37	5.1	101	0.79	-1.34	0.10	1.1
24	0.34	2.31	0.20	25.2	102	1.31	-0.41	0.28	7.4
26	0.55	-1.75	0.13	2.1	103	1.41	-0.97	0.18	4.0
27	1.24	0.09	0.22	16.1	104	1.10	-0.69	0.20	10.5
28	0.81	0.12	0.14	2.8	105	0.54	1.19	0.17	1.8
29	0.53	-0.66	0.20	30.5	108	1.17	-0.83	0.28	4.3
30	0.41	0.15	0.09	1.7	109	1.16	0.02	0.27	5.4
32	0.55	-1.06	0.09	1.7	110	0.96	0.02	0.14	6.4
33	1.03	-1.14	0.24	1.9	111	1.09	-0.92	0.29	-0.2
34	0.96	-0.81	0.17	11.3	112	0.95	-0.86	0.15	0.3
35	0.63	0.60	0.28	2.8	113	1.15	-0.74	0.23	12.4
36	0.85	-0.77	0.20	2.5	114	0.65	0.43	0.22	5.1
37	1.01	-0.99	0.23	3.7	115	0.96	0.46	0.14	17.0
38	1.25	-1.03	0.24	2.1	116	1.40	-0.58	0.15	4.1

M1=60.0824, M2=612.0378, N=33,798

**Table 102. Item Parameter and Fit Summary,  
Constructed-Response Items, Grade 5 Reading**

Item	f	g1	g2	g3	g4	Fit-Z
4	0.82	-1.63	-1.57			37.3
11	0.63	0.77	-0.04			55.8
12	0.58	0.16	1.07			15.5
16	0.69	-0.92	1.74			61.9
19	0.88	-1.33	-1.11	0.31		6.4
25	0.55	-0.53	-0.38	0.39	0.93	19.9
31	0.48	0.71	1.06			4.3
39	0.50	1.39	0.50	0.86		10.1
44	0.40	-0.58	0.55	0.11		36.6
49	0.37	-0.02	0.18	1.25		28.6
50	0.49	-0.33	-0.62			30.4
93	1.12	0.63	-2.03			27.4
94	0.95	-1.13	-0.37			36.6
106	1.15	-0.75	-0.65			5.0
107	1.19	-1.60	0.31			85.1

M1=60.0824, M2=612.0378, N=33,798

**Table 103. Item Parameter and Fit Summary,  
Multiple-Choice Items, Grade 5 Writing**

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
51	0.79	-1.61	0.18	1.0	72	1.27	-0.65	0.16	4.8
52	0.64	0.40	0.20	6.2	73	0.77	-1.42	0.20	23.9
53	0.83	-2.07	0.20	3.4	74	0.84	-1.41	0.20	1.3
54	1.06	-1.64	0.14	1.0	75	0.82	-1.38	0.08	10.1
55	1.03	-0.87	0.21	5.6	76	1.31	-1.06	0.14	13.7
56	0.79	-1.65	0.20	12.5	77	1.27	-0.67	0.16	26.4
57	0.45	-2.16	0.20	14.7	78	0.98	-0.69	0.15	20.1
58	0.48	-1.34	0.15	1.9	79	0.96	-1.10	0.14	25.3
59	0.51	-0.16	0.23	2.9	80	0.74	-2.58	0.20	2.8
60*					81	0.60	0.14	0.21	7.2
61	0.32	0.87	0.20	4.7	82	0.95	-1.28	0.17	4.0
63	1.07	-0.13	0.29	2.6	83	0.41	0.55	0.15	0.6
64	1.01	-0.96	0.13	3.0	84	1.01	-0.33	0.21	2.2
65	0.83	-2.15	0.13	1.8	85	0.68	-0.62	0.17	51.3
66	0.54	-0.98	0.12	0.0	86	0.71	-0.37	0.17	6.1
67	0.75	-1.06	0.17	2.6	87	0.52	1.20	0.22	2.4
68	0.80	0.23	0.19	3.1	88	0.78	-1.51	0.14	22.8
69	1.03	-1.17	0.22	1.0	89	1.19	-1.12	0.17	3.9
70	0.74	1.68	0.24	2.1	90	1.23	-0.51	0.25	13.1
71	1.03	-0.80	0.19	4.4	91	1.19	-0.23	0.23	6.2

M1= 54.1031, M2=508.7017, N=33,257

\* Item removed from calibration

**Table 104. Item Parameter and Fit Summary,  
Constructed-Response Items, Grade 5 Writing**

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		0.74	-4.49				3.4
2	A	0.33	2.56				31.0
2	B	1.33	-0.87				4.0
2	C	1.22	0.26				5.2
2	D	0.85	-0.78				20.2
2	E	1.08	-0.06				4.5
2	F	1.06	0.04				19.8
3	A	0.82	-0.28	-2.01	0.17	1.34	283.8
3	B	1.32	-5.32	-2.47	0.30	1.82	49.1
3	C	1.83	-5.47	-2.44			15.5
62		1.10	-3.01	-2.92	0.05	2.89	87.1
92		0.93	-1.79	-2.48	0.29	2.32	99.6
117		1.05	-2.38	-3.03	0.06	3.33	40.9

M1= 54.1031, M2=508.7017, N=33,257

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

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.76	-0.42	0.40	1.8	36	0.71	-0.71	0.23	0.9
2	0.57	-2.96	0.20	2.4	37	1.22	0.28	0.05	5.7
3	1.26	-0.20	0.12	9.6	38	1.27	0.07	0.10	5.6
4	0.65	-0.72	0.19	1.3	39	0.88	-0.56	0.06	1.3
5	0.75	-0.46	0.16	0.3	41	1.12	-1.70	0.32	3.3
7	0.65	-1.95	0.12	-0.3	42	0.58	-0.98	0.20	7.6
8	1.03	-0.82	0.33	1.1	43	0.85	-1.06	0.14	-0.1
9	0.67	-2.01	0.20	2.0	44	0.53	-1.49	0.11	13.2
10	1.17	-0.01	0.11	5.7	45	0.61	-1.30	0.13	4.6
11	1.08	-0.69	0.18	0.9	47	0.68	-1.84	0.20	0.6
12	0.60	-2.21	0.20	26.2	48	0.51	-1.04	0.20	0.7
14	0.76	-1.35	0.28	2.3	50	0.71	-0.86	0.15	1.4
16	0.93	-0.46	0.13	-0.8	51	0.78	-1.51	0.26	1.4
17	0.88	-0.81	0.10	-0.3	52	0.83	-0.23	0.29	0.4
18	0.97	-0.93	0.06	1.8	54	0.68	-2.78	0.20	3.5
20	0.59	0.31	0.21	3.7	55	0.81	0.37	0.28	1.0
21	0.88	-1.49	0.19	6.8	56	0.88	-1.04	0.07	1.2
22	0.50	-3.19	0.20	4.4	58	0.57	-1.62	0.20	2.8
24	1.06	-2.11	0.11	5.8	59	0.61	-2.28	0.20	2.9
25	0.76	-1.37	0.17	21.4	60	1.28	-0.99	0.26	1.2
26	0.63	-0.22	0.18	-0.3	61	0.86	-0.64	0.08	-0.3
28	0.59	-1.56	0.20	-0.7	62	0.60	-1.20	0.20	1.2
29	0.67	-0.01	0.25	2.3	63	0.55	-0.87	0.07	3.9
30	1.10	-1.03	0.26	0.4	64	1.16	-1.34	0.31	2.3
31	0.59	-0.72	0.12	1.6	65	0.51	-2.66	0.20	15.3
32	1.23	0.79	0.16	7.1	67	0.68	-0.96	0.08	4.8
33	0.68	-1.75	0.16	2.6	68	0.94	-2.09	0.09	-0.3

M1= 63.5015, M2=524.8407, N=35,996

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

Item	f	g1	g2	g3	g4	Fit-Z
6	1.24	-2.60	-0.07			30.3
13	0.83	-2.69	-1.27	0.04		19.9
15	0.73	1.78	-1.71			11.5
19	0.69	-1.04	-0.90	0.40		9.8
23	0.94	-2.58	-2.01	-1.47	-0.90	49.1
27	1.01	-0.12	-1.64			9.6
34	0.78	-0.97	-0.63	-0.95		33.6
35	0.94	-0.95	-2.58			141.3
40	1.27	-1.84	-0.58	0.79		12.6
46	0.99	-3.22	-1.33	-1.11	-0.29	15.6
49	0.72	0.31	-2.16			9.7
53	0.71	-1.53	0.15	-0.97		19.0
57	0.81	-1.19	-0.72			65.8
66	0.73	-0.97	-0.54	-0.81		66.0
69	0.80	-2.54	-0.66	-0.07	-0.33	27.1

M1= 63.5015, M2=524.8407, N=35,996

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

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.39	-3.71	0.20	17.1	39	1.19	-1.30	0.28	2.4
2	0.54	-0.70	0.20	0.5	40	1.00	0.12	0.26	4.9
3	0.32	-0.29	0.18	0.6	42	0.52	0.20	0.20	5.5
4	0.79	-0.70	0.19	5.7	44	1.32	-1.18	0.17	8.6
6	1.36	-1.93	0.21	5.1	45	0.59	-3.79	0.20	3.3
7	0.81	-0.23	0.17	1.0	47	0.83	-2.92	0.20	10.0
8	0.41	-1.21	0.17	5.5	48	0.26	-1.47	0.20	29.0
9	1.15	-0.99	0.26	4.2	49	0.74	-0.39	0.19	1.9
10	0.48	-0.74	0.11	18.0	50	1.00	0.38	0.22	6.1
11	0.51	-0.37	0.10	1.5	51	0.26	0.71	0.20	9.3
12	0.89	-0.34	0.09	7.3	52	0.54	-1.66	0.20	4.4
13	0.40	-1.32	0.20	11.3	55	0.78	-3.16	0.20	7.1
14	0.69	-0.31	0.16	5.9	56	0.58	0.01	0.10	2.8
15	0.95	-2.79	0.19	5.4	58	0.61	-2.04	0.20	25.3
16	0.84	-0.29	0.24	3.3	59	0.45	-0.52	0.14	9.6
17	0.79	0.84	0.30	2.5	60	0.40	-0.05	0.20	10.7
18	0.55	-0.81	0.14	10.0	61	0.53	0.17	0.20	11.3
19	0.82	-1.03	0.15	3.4	62	0.52	-2.69	0.20	3.6
20	0.56	-0.74	0.14	0.5	63	0.32	0.19	0.20	0.3
26	0.54	-1.87	0.20	17.2	65	0.73	-3.10	0.20	5.8
27	0.65	-2.64	0.20	6.4	66	0.53	-0.37	0.15	12.4
28	0.64	-0.96	0.25	1.9	67	1.02	-0.99	0.29	3.3
30	0.60	-4.35	0.20	3.9	68	0.70	-0.91	0.20	11.8
31	0.74	-2.84	0.20	2.2	69	0.73	-1.13	0.42	6.6
32	0.57	-2.47	0.20	30.4	70	0.34	-0.67	0.20	109.3
33	0.65	-3.53	0.20	11.8	72	0.84	-0.19	0.24	2.1
35	0.76	-1.39	0.09	6.4	73	1.14	-1.05	0.29	6.3
36	0.84	-2.76	0.19	8.8	74	1.11	0.13	0.17	7.7
37	0.93	-1.65	0.20	12.3					

M1=50.1703, M2=554.7015, N=41,347

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

Item	f	g1	g2	g3	g4	Fit-Z
5	0.58	-0.46	-1.04			49.9
21	0.31	-0.99				23.5
22	0.88	0.16				6.4
23	0.87	-0.82	0.54			7.2
24	0.79	1.56	2.37			4.2
25	1.18	-0.56				38.7
29	0.98	0.85	-0.09			23.9
34	0.99	0.93	0.95			52.4
38	0.84	-3.41	3.75			556.7
41	0.98	0.17				8.8
43	1.13	-3.52	-0.63			21.6
46	0.89	-0.57	-0.92			10.1
53	1.15	1.18				4.9
54	0.82	-4.15	-1.91			28.3
57	0.97	-2.43	-0.96			6.4
64	0.55	-2.23	-1.59			43.0
71	0.83	-0.65	1.25			53.5
75	0.85	0.85	-0.07			88.4

M1=50.1703, M2=554.7015, N=41,347



**Table 109. Item Parameter and Fit Summary,  
Multiple-Choice Items, Grade 6 Reading**

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
5	1.01	-1.51	0.34	6.9	41	1.06	-1.24	0.23	3.9
6	0.95	-0.15	0.45	1.7	42	1.16	-1.48	0.18	2.4
7	0.90	-1.54	0.07	8.1	46	0.98	-0.68	0.37	2.2
8	0.87	-1.66	0.12	1.7	47	0.50	-0.95	0.08	13.5
9	0.66	-2.13	0.20	5.6	48	0.83	-0.64	0.22	-0.1
10	1.01	-2.17	0.20	4.9	49	0.63	0.23	0.17	12.5
14	0.64	-1.72	0.10	3.7	50	0.91	0.73	0.24	8.0
15	0.78	0.15	0.22	11.3	51	1.04	1.40	0.40	15.0
16	0.77	0.09	0.20	3.2	52	0.91	-0.68	0.26	3.4
17	1.54	0.91	0.24	25.6	53	1.20	0.13	0.22	4.8
18	0.59	1.91	0.23	1.9	54	1.18	-0.36	0.19	3.2
19	1.25	0.02	0.25	23.5	100	0.54	-0.88	0.20	30.7
20	0.96	0.31	0.16	13.4	101	0.79	0.55	0.23	7.0
23	0.94	-1.03	0.06	2.2	102	0.68	-1.38	0.09	21.2
24	0.89	0.18	0.19	14.0	103	0.99	0.73	0.27	8.1
25	0.85	0.56	0.17	18.0	104	0.59	-1.39	0.15	13.2
26	0.36	0.56	0.20	9.5	105	1.76	-0.81	0.23	12.8
27	1.44	1.10	0.12	77.3	106	1.22	-1.22	0.16	2.3
28	0.41	0.26	0.20	8.8	107	0.48	0.25	0.10	0.5
29	1.43	-0.49	0.32	3.2	108	1.12	-1.26	0.21	3.6
30	1.09	-0.52	0.41	3.1	109	1.16	-0.09	0.20	7.1
31	1.12	0.22	0.16	6.8	110	0.85	-2.08	0.09	6.3
33	0.37	-1.14	0.20	43.2	112	0.62	-1.54	0.20	38.0
34	0.42	-0.13	0.11	-0.4	113	1.07	-2.13	0.20	6.4
36	0.59	-1.23	0.20	16.9	115	0.81	-0.31	0.22	0.9
37	0.93	-1.61	0.20	16.9	116	1.35	0.82	0.24	9.6
38	0.76	-1.50	0.08	23.7	117	1.27	1.42	0.36	8.6
39	0.85	0.03	0.32	3.8	118	0.96	0.18	0.31	4.6
40	0.65	-1.34	0.11	3.3					

M1=57.4959, M2=624.6182, N=33,323

**Table 110. Item Parameter and Fit Summary,  
Constructed-Response Items, Grade 6 Reading**

Item	f	g1	g2	g3	g4	Fit-Z
4	0.77	-1.82	-1.74			24.0
11	0.49	0.38	-0.20			75.5
12	0.51	0.09	-1.29	-0.13	-1.14	36.9
13	0.75	0.18	-0.57			0.4
21	0.76	1.04	-1.23			28.4
22	0.88	-0.17	-0.89			9.0
35	0.51	0.37	1.15			0.8
43	0.50	0.75	0.17	0.78		16.5
44	0.93	-1.39	-0.56			79.9
45	1.04	-0.91	-2.26			19.9
98	0.62	0.51	0.34	0.99		33.4
99	1.07	-0.12	-0.12			32.0
111	0.45	0.11	-0.05			14.9
114	0.60	-0.09	0.43	1.59		6.4

M1=57.4959, M2=624.6182, N=33,323

**Table 111. Item Parameter and Fit Summary,  
Multiple-Choice Items, Grade 6 Writing**

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
55	0.63	-1.23	0.18	10.8	76	0.80	-0.72	0.27	0.0
56	1.04	-0.43	0.30	5.5	77	0.83	-0.15	0.22	2.6
57	1.00	-0.70	0.29	6.8	79	0.59	-1.25	0.21	6.3
58	0.84	-1.58	0.14	1.3	80	0.39	-0.12	0.18	4.8
59	0.39	1.22	0.14	3.8	81	0.50	0.33	0.17	-0.1
60	0.80	-1.16	0.16	-0.3	82	0.74	2.18	0.16	20.2
61	0.48	0.22	0.07	5.0	83	0.38	-0.71	0.20	6.2
62	0.71	-1.08	0.20	36.8	84	0.81	0.80	0.22	2.8
63	0.82	-1.04	0.17	2.5	85	0.73	-0.56	0.20	25.5
64	0.73	-0.93	0.20	1.0	86	0.81	-0.43	0.20	17.2
65	0.89	1.19	0.17	4.1	87	0.65	1.25	0.20	2.9
66	1.08	-0.43	0.19	10.8	88	0.60	-0.06	0.09	18.7
67	1.34	-0.05	0.26	8.9	89	0.65	0.18	0.22	9.9
68	1.24	-0.64	0.22	12.7	90	1.73	-0.86	0.22	12.6
69	1.04	-0.83	0.21	3.9	91	1.53	-0.62	0.16	26.6
70	0.54	-0.62	0.20	4.0	92	1.29	-0.80	0.22	10.3
71	0.80	-0.53	0.14	0.0	93	0.47	-0.05	0.09	13.6
72	1.08	0.63	0.34	10.4	94	0.91	-0.64	0.14	10.6
73	1.05	-0.70	0.20	9.5	95	1.08	-1.13	0.16	1.5
74	0.86	-0.52	0.09	10.3	96	0.86	-1.76	0.14	3.2
75	0.53	-0.41	0.20	5.8					

M1= 58.6073, M2=521.8568, N=32,953

**Table 112. Item Parameter and Fit Summary,  
Constructed-Response Items, Grade 6 Writing**

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.11	-5.86				4.7
2	A	0.83	-0.87				9.1
2	B	1.09	-0.43				3.7
2	C	0.79	-1.08				10.1
2	D	1.12	-0.92				3.9
2	E	0.67	1.29				2.0
2	F	1.13	-2.01				9.1
3	A	1.08	-3.54	-2.35	0.37	2.15	112.0
3	B	1.25	-5.32	-2.45	0.45	2.41	53.1
3	C	1.90	-6.83	-2.70			16.1
32		0.60	-0.39	-2.02	0.15	1.96	287.3
78		0.94	-2.53	-2.88	0.02	2.25	55.3
97		1.05	-2.27	-2.65	0.75	2.83	75.8

M1= 58.6073, M2=521.8568, N=32,953

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

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.76	-2.04	0.20	19.9	31	0.70	-2.04	0.20	1.3
2	0.86	-1.61	0.05	0.7	32	1.23	0.00	0.23	2.0
3	1.03	0.71	0.31	3.5	34	0.54	-1.33	0.09	9.1
5	0.61	-0.52	0.04	15.3	35	0.56	-1.38	0.18	3.7
6	1.06	-1.20	0.19	1.8	36	0.73	0.20	0.16	5.6
8	1.38	-0.17	0.50	5.9	38	0.55	-2.49	0.20	4.4
9	0.52	-1.51	0.20	90.0	39	1.13	0.47	0.06	6.2
10	0.71	-1.26	0.20	3.6	41	0.71	-0.11	0.10	15.0
12	1.09	-0.98	0.37	-1.1	42	0.94	0.18	0.34	3.2
13	0.72	-0.13	0.15	0.5	44	0.53	-0.66	0.05	1.4
14	0.93	-1.38	0.06	0.9	45	1.28	0.40	0.18	26.6
15	0.98	0.53	0.15	2.1	46	0.83	-0.76	0.08	-0.2
17	1.39	-0.51	0.13	9.9	49	0.82	-1.09	0.06	-0.4
18	0.83	-1.09	0.15	1.3	50	0.95	-1.53	0.07	0.3
19	0.70	0.17	0.29	9.7	51	0.44	-3.22	0.20	10.0
21	1.03	0.04	0.35	5.9	52	1.45	0.89	0.43	27.6
22	0.90	0.73	0.06	2.8	53	1.49	0.10	0.29	4.0
23	0.86	-1.76	0.07	2.4	54	1.02	-0.73	0.09	1.3
24	0.47	-3.73	0.20	2.3	55	0.96	0.46	0.19	4.0
25	0.99	-0.70	0.18	44.6	56	0.67	-1.25	0.12	0.8
27	0.74	-0.13	0.49	7.8	58	0.84	-0.19	0.30	-0.4
28	0.85	-1.40	0.20	1.2	59	0.88	0.35	0.13	4.3
30	0.87	-1.66	0.20	1.6					

M1= 65.9112, M2=536.8173, N=33,574

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

Item	f	g1	g2	g3	g4	Fit-Z
4	0.67	-2.10	-1.37			2.0
7	0.90	-3.25	-1.62	-0.91		7.1
11	1.34	0.92	1.10			35.1
16	0.80	-0.38	1.46	-1.04		29.0
20	0.87	-2.76	-0.59	0.59	1.75	15.0
26	0.65	-4.12	-1.41			7.9
29	0.70	-1.22	-0.76	-0.61		109.0
33	0.99	-0.81	-0.73			27.6
37	0.95	-0.57	2.76	-0.62		45.6
40	0.96	-3.69	-1.18	-1.66	-1.02	37.1
43	1.26	-2.22	-1.03			30.3
47	1.13	-0.10	1.21			101.7
48	1.23	-2.45	-1.10	0.27		16.6
57	0.62	3.60	-5.57	0.85		147.7
60	1.24	-1.39	-0.09	1.00	1.11	19.5

M1= 65.9112, M2=536.8173, N=33,574

**Table 115. Item Parameter and Fit Summary,  
Multiple-Choice Items, Grade 7 Reading**

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
5	0.68	-1.65	0.20	11.2	41	1.09	-0.32	0.19	1.9
6	1.08	-1.41	0.27	8.1	42	0.39	0.65	0.32	21.9
7	1.21	-1.73	0.21	10.3	43	1.01	-0.84	0.30	1.6
8	1.09	-0.86	0.31	3.0	44	0.93	-1.31	0.17	2.9
12	0.58	-0.63	0.20	3.1	45	1.06	-0.56	0.24	2.8
13	1.20	-1.86	0.20	3.2	46	0.88	-1.41	0.11	-0.4
14	0.42	-1.24	0.00	3.7	90	0.94	1.23	0.18	12.0
15	0.39	1.02	0.24	1.7	91	0.50	-0.59	0.20	36.1
16	1.23	-0.19	0.20	4.5	92	0.92	-0.48	0.20	4.3
17	0.83	0.09	0.34	3.9	93	1.40	1.55	0.12	23.5
18	0.77	-0.71	0.12	3.8	94	1.35	-0.33	0.16	7.0
21	0.89	-0.19	0.20	14.1	95	1.47	0.10	0.31	10.2
22	0.58	1.05	0.14	10.1	96	0.90	0.45	0.29	4.6
23	0.36	0.28	0.18	3.6	97	0.65	0.49	0.17	1.7
24	1.45	0.78	0.13	49.0	98	0.67	-1.16	0.20	3.3
25	0.44	-0.24	0.19	2.1	101	0.63	-1.86	0.20	37.6
26	0.73	-0.23	0.21	2.9	102	1.12	-2.22	0.20	10.7
27	0.62	0.28	0.24	1.3	104	0.95	-0.48	0.19	4.1
28	0.69	-1.02	0.20	6.4	105	1.25	0.40	0.23	6.4
29	0.19	1.04	0.20	8.8	106	0.96	-0.37	0.27	3.1
30	0.55	-1.89	0.20	6.2	107	0.52	0.44	0.18	3.1
31	1.03	1.48	0.35	1.6	108	0.73	0.34	0.21	2.2
32	0.77	0.22	0.18	2.1	110	0.58	-1.20	0.11	0.0
33	0.65	-0.61	0.09	0.6	111	1.05	-0.23	0.33	7.1
34	0.93	0.71	0.16	5.7	112	0.77	-0.84	0.38	-1.1
35	1.06	-1.66	0.20	3.5	113	0.65	-1.38	0.20	13.3
38	0.98	0.39	0.16	14.5	114	0.58	-0.02	0.15	1.5
39	1.05	-1.38	0.08	12.8	116	0.65	-1.15	0.09	-0.2
40	1.12	-0.76	0.20	-0.2	117	0.97	-0.26	0.21	0.6

M1=58.7762, M2=639.5506, N=28,070

**Table 116. Item Parameter and Fit Summary,  
Constructed-Response Items, Grade 7 Reading**

Item	f	g1	g2	g3	g4	Fit-Z
4	0.62	-0.54	-0.46			12.5
9	0.56	-1.09	-0.30			18.2
10	0.73	-0.14	0.18			19.4
11	0.95	-0.63	-1.27			55.8
19	0.66	1.14	-1.26			24.9
20	0.90	-0.19	-1.25			4.7
36	0.76	0.02	1.01	2.13		6.3
37	0.83	-1.22	0.84			38.6
89	0.99	-0.26	1.03	2.39		21.0
99	0.72	-0.64	0.19	0.89		49.6
100	0.48	0.02	0.15			18.7
103	0.61	-0.16	0.40	1.60		10.7
109	0.86	-1.97	-1.27			4.7
115	0.87	-0.56	0.28			6.0

M1=58.7762, M2=639.5506, N=28,070

**Table 117. Item Parameter and Fit Summary,  
Multiple-Choice Items, Grade 7 Writing**

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
47	0.94	-0.11	0.31	1.0	68	0.62	0.01	0.15	3.1
48	0.64	-1.58	0.10	5.4	69	1.20	-0.37	0.20	3.9
49	1.07	-1.26	0.19	1.2	70	0.55	-1.10	0.12	2.0
50	0.86	-1.66	0.20	6.3	71	0.52	0.53	0.14	4.0
51	1.28	-0.52	0.29	3.9	72	1.22	0.29	0.12	9.0
52	0.70	0.03	0.31	0.3	73	1.02	0.41	0.20	2.8
53	0.41	-0.44	0.09	1.6	74	0.88	-0.15	0.31	-0.1
54	0.92	-1.43	0.13	2.1	75	0.42	0.19	0.12	-0.4
55	0.95	-1.51	0.20	2.5	76	0.56	0.13	0.04	9.2
56	0.80	-2.31	0.17	2.3	77	0.44	-0.99	0.10	2.9
57	1.05	0.77	0.22	9.9	78	1.05	0.43	0.25	2.9
58	1.22	0.49	0.21	10.9	79	0.78	1.80	0.16	51.0
59	0.93	-1.01	0.13	7.0	80	1.00	-0.85	0.18	3.1
60	0.86	-0.13	0.22	0.5	81	1.12	-0.40	0.23	3.1
61	0.93	-1.80	0.20	23.0	82	0.64	-0.55	0.12	1.5
62	0.68	-1.45	0.17	38.5	83	0.74	-1.15	0.09	5.1
63	0.74	-0.36	0.33	2.5	84	1.22	-1.21	0.45	2.5
64	0.67	0.35	0.12	1.7	85	1.05	-0.32	0.20	5.6
66	0.94	-0.57	0.12	2.1	86	0.94	0.14	0.16	3.6
67	0.37	-0.37	0.20	37.0	87	0.93	1.31	0.14	14.0

M1= 65.3426, M2=550.6976, N=27,966

**Table 118. Item Parameter and Fit Summary,  
Constructed-Response Items, Grade 7 Writing**

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.17	-5.89				0.3
2	A	0.74	0.54				2.5
2	B	0.68	0.16				36.4
2	C	0.83	0.58				3.9
2	D	1.09	0.16				9.0
2	E	0.44	-1.46				11.3
2	F	0.25	0.24				81.9
3	A	1.35	-3.48	-3.87	-0.78	1.72	113.6
3	B	1.45	-6.09	-3.85	-0.67	1.82	16.7
3	C	1.83	-7.39	-3.11			4.9
65		0.94	-2.05	-2.56	-0.35	1.77	72.1
88		0.86	-1.97	-2.88	0.00	2.26	72.3
118		0.85	-2.07	-2.07	0.13	2.56	183.8

M1= 65.3426, M2=550.6976, N=27,966

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

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.85	-0.04	0.26	7.3	31	0.82	-0.01	0.24	1.7
2	0.72	-2.81	0.20	4.6	32	0.56	1.19	0.47	3.3
4	0.85	-0.08	0.36	1.4	34	0.78	-2.23	0.20	2.8
5	1.24	0.42	0.27	13.9	36	0.51	-3.70	0.20	4.3
6	0.69	-0.51	0.19	22.3	37	0.61	1.19	0.23	7.9
8	0.96	-0.89	0.14	3.7	38	0.46	-0.68	0.20	1.1
9	0.70	-1.47	0.08	4.8	39	1.55	0.62	0.14	9.3
10	0.63	-3.12	0.20	6.9	41	1.00	-0.77	0.13	2.9
11	0.30	0.22	0.20	3.1	42	0.47	-2.30	0.20	5.3
12	0.52	-0.26	0.10	2.2	43	1.32	0.30	0.37	1.8
14	0.53	0.08	0.20	2.9	45	1.35	0.09	0.22	9.5
16	1.14	-0.07	0.19	1.7	46	0.90	-1.13	0.19	19.9
17	0.53	-1.47	0.20	15.5	47	1.26	0.32	0.12	1.7
18	0.60	-0.04	0.09	0.7	49	0.66	0.43	0.30	14.1
19	1.03	0.19	0.27	5.9	50	0.65	-1.82	0.11	2.3
21	0.94	-0.19	0.38	2.4	51	0.53	-1.47	0.20	15.3
22	0.36	-4.19	0.20	1.5	53	0.82	-0.21	0.10	7.4
23	0.82	0.41	0.15	0.3	54	0.54	-1.27	0.20	0.3
24	0.95	-0.15	0.29	3.0	56	1.53	1.35	0.25	10.8
26	0.79	-0.93	0.20	6.5	57	1.51	0.31	0.28	5.3
27	0.53	-1.84	0.16	5.0	58	0.63	-0.52	0.09	2.5
28	1.22	0.08	0.30	2.7	59	1.23	-0.15	0.27	8.0
30	0.82	-1.93	0.09	9.1					

M1= 64.4348, M2=560.2407, N=27,975

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

Item	f	g1	g2	g3	g4	Fit-Z
3	1.39	0.24	0.31			40.8
7	0.59	0.24	-0.04	-0.15		38.1
13	1.11	0.44	-0.27			11.1
15	1.52	-2.22	-0.11	0.78		49.2
20	1.15	0.19	0.77	0.49	0.79	37.8
25	0.88	-1.08	-1.04			12.9
29	1.28	-1.06	1.38	2.52		15.1
33	0.63	-4.07	-1.25			15.3
35	1.36	-2.63	-1.24	0.72		98.8
40	1.25	1.51	1.01	2.11	0.87	13.7
44	0.83	-0.80	-0.15			79.0
48	1.68	-0.18	1.87	2.55		9.3
52	0.49	-0.62	-0.16			18.4
55	1.46	0.82	3.13	1.68		7.9
60	0.58	0.23	-1.35	0.38	0.11	27.9

M1= 64.4348, M2=560.2407, N=27,975

**Table 121. Item Parameter and Fit Summary,  
Multiple-Choice Items, Grade 8 Reading**

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
4	0.60	0.21	0.24	6.9	42	0.50	-0.92	0.20	66.2
5	0.83	-1.57	0.20	9.3	43	1.48	-1.11	0.18	5.0
6	0.78	-0.92	0.19	0.7	44	0.97	-1.41	0.13	2.9
7	0.82	-1.22	0.16	8.0	88	0.85	0.83	0.18	7.9
8	0.87	-1.63	0.20	2.4	89	0.54	-0.95	0.20	20.7
10	0.78	-0.80	0.26	0.9	90	0.92	-0.86	0.18	5.9
11	1.31	1.04	0.36	6.0	91	1.38	1.33	0.13	9.7
12	0.77	0.66	0.20	1.4	92	1.36	-0.63	0.15	1.5
15	0.34	-2.53	0.20	41.4	93	1.34	-0.17	0.27	2.6
16	1.09	0.78	0.17	16.3	94	0.81	0.19	0.29	0.3
17	0.38	-0.44	0.20	27.3	95	0.62	0.32	0.17	2.0
18	1.54	1.61	0.16	32.8	96	1.21	-1.12	0.20	3.3
19	0.87	-1.13	0.26	8.4	97	0.64	-1.21	0.20	2.0
20	0.91	-1.68	0.20	4.1	98	0.59	-0.03	0.15	3.7
23	1.18	-0.88	0.31	3.3	101	0.24	-1.33	0.20	5.7
24	1.08	-0.57	0.17	3.6	102	0.88	0.60	0.31	2.5
25	1.28	-1.79	0.33	7.7	103	0.56	2.40	0.20	15.1
26	1.40	-1.23	0.15	2.0	104	0.69	-0.21	0.20	0.0
27	0.62	-0.96	0.16	7.6	105	0.92	0.29	0.27	5.4
28	0.45	-0.56	0.20	7.4	108	1.03	-0.75	0.30	16.8
31	0.50	1.58	0.11	3.1	109	1.11	0.20	0.17	8.7
32	0.80	0.89	0.24	7.4	110	0.50	-2.25	0.20	164.3
33	1.02	1.12	0.21	14.2	111	1.05	-0.19	0.25	2.3
34	1.02	1.47	0.25	24.1	112	0.95	0.57	0.27	5.4
35	0.71	0.97	0.17	2.5	113	1.30	-0.48	0.17	8.4
36	1.02	-1.76	0.10	7.1	115	1.17	1.01	0.24	19.3
39	0.88	0.13	0.14	4.6	116	0.63	0.66	0.21	4.8
40	1.03	-1.47	0.07	22.1	117	0.74	-0.66	0.28	4.4
41	1.11	-0.80	0.20	4.7	118	0.68	0.23	0.18	1.8

M1=55.7700, M2=653.1412, N=29,136

**Table 122. Item Parameter and Fit Summary,  
Constructed-Response Items, Grade 8 Reading**

Item	f	g1	g2	g3	g4	Fit-Z
9	1.20	-0.52	0.72			26.0
13	0.73	-0.38	-0.22	0.50		9.4
14	0.78	-1.52	-1.76			22.4
22	0.87	0.25	-1.62			17.0
29	0.63	1.16	-0.16			12.2
30	0.97	-0.26	-0.06			2.6
37	0.85	0.07	0.97	2.28		7.6
38	0.76	-1.10	0.85			81.2
87	1.01	-0.32	1.12	2.57		26.2
99	1.25	-0.42	2.53			12.4
100	0.75	1.26	1.54			14.8
106	1.14	-0.40	-0.62			10.6
107	0.80	0.35	0.33	0.09		23.7
114	0.66	1.44	-0.67	-0.97		16.0

M1=55.7700, M2=653.1412, N=29,136

**Table 123. Item Parameter and Fit Summary,  
Multiple-Choice Items, Grade 8 Writing**

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
45	0.57	-1.56	0.20	2.5	65	0.38	1.23	0.20	2.4
46	0.77	0.68	0.18	0.8	66	1.05	1.03	0.08	8.3
47	1.17	-0.41	0.27	2.5	67	0.77	0.00	0.08	13.8
48	1.11	-0.91	0.19	1.5	68	1.05	-1.48	0.09	6.5
49	0.92	-0.05	0.24	4.8	70	0.94	-0.81	0.04	12.4
50	0.75	0.20	0.24	2.1	71	0.44	0.96	0.20	26.0
51	0.79	-0.51	0.19	0.0	72	0.47	-2.88	0.20	45.2
52	1.09	-0.58	0.38	1.3	73	1.08	-0.80	0.25	1.1
53	0.68	-0.46	0.20	4.8	74	0.70	0.16	0.14	3.1
54	1.12	1.75	0.24	6.4	75	1.40	-1.05	0.22	2.4
55	1.28	-0.91	0.19	3.0	76	1.11	1.21	0.23	17.1
56	0.94	-0.91	0.16	0.5	77	0.38	0.67	0.09	15.2
57	1.30	-1.57	0.10	7.2	78	0.54	-0.69	0.14	0.4
58	1.06	0.12	0.18	3.0	79	0.80	-0.58	0.19	1.6
59	0.90	-1.21	0.08	6.7	80	0.69	-1.13	0.07	49.1
60	1.06	2.07	0.18	35.5	81	1.02	0.56	0.18	12.4
61	0.66	0.10	0.12	7.8	82	1.14	0.02	0.23	4.7
62	1.05	-0.58	0.21	1.8	83	1.51	-0.10	0.22	8.6
63*					84	0.84	-0.54	0.22	5.8
64	0.74	-0.60	0.34	0.9	85	1.09	-1.24	0.19	20.9

M1= 68.8181 M2=556.5780, N=29,046

\* Item removed from calibration

**Table 124. Item Parameter and Fit Summary,  
Constructed-Response Items, Grade 8 Writing**

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		0.94	-5.37				0.4
2	A	1.54	-0.83				2.8
2	B	0.27	-0.43				14.7
2	C	1.19	1.36				7.5
2	D	0.57	-0.14				10.2
2	E	0.91	1.22				0.7
2	F	1.51	-0.56				0.3
3	A	1.40	-4.61	-3.86	0.01	2.87	30.5
3	B	1.51	-5.99	-3.93	0.04	3.00	25.8
3*	C						
21		1.03	-2.41	-3.26	0.34	1.77	34.1
69		1.03	-1.97	-2.54	-0.47	2.18	146.9
86		0.92	-2.44	-2.50	0.05	2.95	101.9

M1= 68.8181 M2=556.5780, N=29,046

\* Item removed from calibration



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

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	1.23	-0.42	0.41	4.1	32	0.59	-0.28	0.18	19.5
2	1.11	0.87	0.25	6.5	33	0.71	2.47	0.19	10.5
3	0.83	0.13	0.22	4.1	34	1.05	1.05	0.19	67.3
5	0.87	0.43	0.07	16.4	36	0.44	0.75	0.07	-1.4
7	1.04	0.02	0.13	5.3	37	1.57	1.33	0.14	25.1
9	0.55	-0.36	0.09	0.1	38	1.31	0.22	0.14	21.8
10	1.33	1.28	0.12	24.9	39	1.24	0.29	0.21	40.3
11	1.35	1.54	0.04	30.0	41	0.70	-1.75	0.20	7.7
12	0.86	-0.78	0.08	5.1	42	1.29	0.44	0.09	8.6
14	0.75	0.36	0.22	0.8	43	1.07	-0.66	0.36	3.3
15	0.65	-0.95	0.18	22.5	45	1.41	1.13	0.25	14.9
16	0.50	-0.35	0.20	5.0	47	0.59	1.11	0.07	1.9
17	0.67	-0.86	0.18	15.0	48	0.27	-3.65	0.20	11.1
18	1.37	1.14	0.19	26.6	50	1.73	0.06	0.14	14.3
19	1.33	0.56	0.34	4.3	51	1.76	0.92	0.32	4.3
21	0.68	-0.37	0.28	3.5	52	0.30	0.53	0.20	2.9
22	0.64	0.00	0.10	0.8	53	0.94	-1.09	0.15	5.5
23	1.71	-0.03	0.18	8.9	54	0.73	-0.64	0.17	5.8
24	0.36	-1.79	0.20	13.9	56	0.81	0.19	0.34	-0.1
26	0.50	0.53	0.17	-0.2	57	1.01	-0.50	0.18	15.3
27	1.09	2.40	0.08	0.2	58	0.60	-0.64	0.09	1.1
29	0.45	-0.94	0.20	1.2	59	0.96	-0.28	0.28	9.0
30	0.53	0.86	0.50	0.5					

M1= 62.7000, M2=577.1998, N=29,090

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

Item	f	g1	g2	g3	g4	Fit-Z
4	0.78	-2.71	-1.11	0.09		56.0
6	1.05	0.04	-0.60			20.5
8	0.52	-0.72	-0.24			19.3
13	0.82	1.74	-0.45	2.94		37.9
20	1.11	0.20	0.76	0.39	0.63	46.0
25	1.31	3.20	1.22			11.3
28	1.14	-0.16	1.15	3.51		7.0
31	1.37	-1.00	1.48			25.4
35	1.11	-0.13	-1.07	0.74		113.3
40	1.03	-2.81	-2.54	-0.45	1.64	283.6
44	1.16	0.85	-0.04			15.5
46	1.25	-0.04	-0.06	0.96		19.8
49	1.27	-0.07	0.54			37.5
55	1.03	-0.55	0.47	1.90		22.2
60	0.67	1.36	-1.30	1.17	-0.92	59.2

M1= 62.7000, M2=577.1998, N=29,090

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

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	1.10	2.08	0.33	3.1	43	0.39	-1.78	0.20	31.2
2	0.33	0.51	0.14	14.9	44	0.49	-1.41	0.20	3.6
3	0.90	-1.18	0.16	4.7	45	0.29	1.06	0.20	0.8
4	0.84	-0.72	0.39	1.3	46	0.74	2.11	0.21	31.9
5	0.68	0.45	0.32	1.3	48	0.19	-1.93	0.20	163.8
6	0.29	2.14	0.50	40.8	49	0.75	-0.52	0.21	13.9
7*					51	0.40	-1.04	0.20	6.6
8	0.35	-0.50	0.25	4.2	52	0.77	-1.56	0.05	5.9
10	0.90	0.57	0.22	29.0	53	0.76	0.46	0.29	1.6
11	0.44	0.61	0.21	3.7	55	0.65	0.16	0.26	1.6
12	0.78	-0.71	0.32	1.8	57	0.44	0.95	0.24	1.7
14	0.86	0.35	0.15	13.9	58	0.54	0.74	0.15	1.1
16	0.53	0.05	0.21	38.3	59	0.57	-1.28	0.21	17.1
17	0.96	-1.30	0.14	2.2	61	0.98	-0.08	0.29	7.6
18*					63	0.67	0.01	0.12	9.2
19	1.24	-0.23	0.26	7.0	66	0.60	-0.08	0.42	11.2
26	0.92	0.33	0.48	0.8	67	0.62	2.24	0.06	12.1
27	0.96	-1.12	0.30	5.0	68	1.14	-0.76	0.34	1.3
28	0.80	-2.52	0.14	9.7	69	1.04	2.44	0.37	4.3
29	0.94	-0.91	0.33	10.9	71	0.58	-0.69	0.21	65.4
30	0.63	-1.14	0.05	9.1	72	0.37	-1.45	0.20	46.2
31	1.00	-0.11	0.15	10.7	73	0.88	-0.10	0.20	5.5
32	0.76	0.45	0.12	4.5	74	0.65	-1.58	0.21	8.2
33	1.01	0.64	0.31	6.2	75	1.03	-1.07	0.19	2.6
35	0.26	2.48	0.20	5.0	76	1.04	0.02	0.21	3.3
37	0.54	1.59	0.09	3.8	78	0.46	1.64	0.24	9.0
38	0.70	-1.32	0.04	3.6	79	0.67	-1.25	0.15	5.4
39	0.84	-0.28	0.36	2.4	80	0.63	-2.48	0.20	19.6
40	0.75	1.01	0.14	8.9	82	0.49	-1.38	0.20	26.3
41	1.33	1.54	0.21	71.4	83	0.60	0.38	0.16	2.6

M1= 51.2507, M2=513.5720, N=46,919

\* Item removed from calibration

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

Item	f	g1	g2	g3	g4	Fit-Z
9	1.06	-0.31	0.32			20.7
13	0.97	2.84				-0.1
15	0.75	0.00				11.5
20	1.12	-0.35				-1.0
21	0.55	-0.90				14.6
22	0.66	-0.33	-0.60			49.4
23	1.17	-0.74				19.4
24	0.48	-0.16	-0.09	-0.56	-0.10	5.3
25	1.13	-1.60	-0.77			48.7
34	1.17	-0.09	3.72			24.4
36	0.77	-1.53	2.53			185.1
42	1.32	-2.58	0.00			50.9
47	0.59	-0.34	2.21			3.6
50	0.90	1.55	0.96			10.6
54	1.04	-0.81	1.55			113.6
56	0.38	-0.41	0.97	1.53		79.0
60	0.86	0.56	1.50			3.1
62	1.41	0.25	2.39			18.0
64	1.29	0.16				10.8
65	1.04	-0.29	0.02	0.69		23.3
70	1.34	2.06				6.3
77	1.02	-2.20				5.0
81	0.86	-0.77				40.6

M1= 51.2507, M2=513.5720, N=46,919

**Table 129. Item Parameter and Fit Summary,  
Multiple-Choice Items, Grade 9 Reading**

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
6	0.34	-2.83	0.20	40.7	40	0.68	-0.56	0.14	6.0
7	1.02	0.39	0.18	11.7	41	1.00	0.88	0.26	9.0
8	0.34	-0.90	0.20	13.8	42	0.76	-1.64	0.20	5.3
9	1.27	1.50	0.14	25.9	45	0.93	0.01	0.11	10.3
10	0.95	-1.39	0.36	6.4	46	0.80	-0.88	0.17	1.5
11	0.83	-2.03	0.20	8.6	47	0.64	-1.06	0.11	5.1
13	0.55	-1.43	0.20	17.5	48	1.21	-0.80	0.29	3.3
14	0.86	-0.26	0.38	0.5	49	1.72	-0.99	0.22	4.4
15	1.13	0.29	0.16	5.5	50	1.00	-0.27	0.18	30.3
16	1.33	-0.58	0.33	3.9	95	0.25	-1.69	0.20	21.6
17	0.55	1.65	0.16	19.1	96	0.93	0.41	0.31	1.7
18	0.89	-1.25	0.19	2.8	97	0.58	1.92	0.20	9.6
19	0.48	-0.59	0.21	2.1	98	0.71	-0.48	0.21	1.3
20	1.04	0.17	0.28	5.6	99	1.03	0.10	0.28	4.3
21	0.92	-1.28	0.19	1.6	101	0.83	-0.86	0.20	62.3
22	0.33	0.12	0.20	7.6	102	0.47	-2.38	0.20	268.0
23	0.68	-0.14	0.20	5.8	103	0.89	-1.54	0.20	1.0
25	0.60	-0.91	0.20	16.5	105	0.81	-0.03	0.19	5.2
28	0.94	-0.31	0.13	6.4	106	1.52	-1.57	0.13	8.6
29	0.65	0.57	0.30	1.0	108	1.23	-0.39	0.28	5.1
30	1.45	1.03	0.13	32.3	109	0.93	-1.59	0.08	48.3
31	0.52	0.51	0.20	3.9	110	1.21	-1.18	0.27	5.0
32	0.41	-0.27	0.20	0.6	111	1.57	-0.97	0.25	2.1
33	1.22	-1.12	0.30	3.7	112	1.02	-0.14	0.35	5.7
34	0.52	0.63	0.20	11.5	113	0.81	-0.18	0.20	7.0
35	0.61	-0.46	0.09	0.1	114	1.15	-0.15	0.28	7.1
36	0.81	-0.28	0.24	5.2	115	0.96	-0.41	0.10	1.8
37	1.22	1.45	0.20	57.4	116	0.94	-0.42	0.13	3.8
39	0.67	0.74	0.20	89.2	117	1.36	-1.25	0.29	2.2

M1=51.7604, M2=668.1510, N=31,847

**Table 130. Item Parameter and Fit Summary,  
Constructed-Response Items, Grade 9 Reading**

Item	f	g1	g2	g3	g4	Fit-Z
4	0.69	-0.64	-0.36	0.08		12.1
5	0.73	-1.72	-2.25			29.7
12	0.52	-1.95	-0.89	0.76		30.0
26	0.80	-0.15	-0.32	-0.59		17.2
27	0.86	-0.84	0.51			14.8
38	0.93	-0.55	0.65			18.8
43	1.01	-0.58	-0.38	0.43		10.7
44	0.82	-1.63	-0.69	-0.11		10.4
93	1.26	-0.79	2.31			15.8
94	0.84	0.91	1.33			4.9
100	0.70	0.46	-0.28	-0.10		81.6
104	0.63	-0.58	0.54			16.1
107	0.91	-0.89	-0.87	-0.46		8.6
118	0.87	-1.00	1.07			6.2

M1=51.7604, M2=668.1510, N=31,847

**Table 131. Item Parameter and Fit Summary,  
Multiple-Choice Items, Grade 9 Writing**

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
51	0.99	0.32	0.23	1.8	72	0.91	-0.59	0.12	18.4
52	1.11	1.38	0.17	13.1	73	0.79	-1.31	0.15	8.1
53	0.68	-0.13	0.14	-0.3	74	0.84	-0.43	0.20	9.1
54	1.04	-0.38	0.28	1.2	75	1.33	-0.91	0.24	7.5
55	0.81	0.32	0.25	7.9	76	1.02	0.61	0.15	15.7
56	0.98	-0.23	0.22	1.0	77	1.36	-1.08	0.20	24.9
57	0.89	-0.46	0.15	1.3	78	0.40	0.72	0.20	17.3
58	0.51	1.00	0.16	0.4	79	1.03	-1.37	0.20	14.3
59	0.64	-0.22	0.19	0.3	80	0.46	-0.18	0.13	0.5
60	1.18	-0.95	0.24	5.4	81	1.08	-0.44	0.34	11.0
61	0.69	-0.70	0.16	3.3	82	1.11	-0.72	0.12	8.2
62	0.58	-0.30	0.21	21.9	83	0.90	0.41	0.20	12.5
63	1.58	-0.07	0.30	6.5	84	0.74	-0.77	0.20	30.4
64	0.62	-0.14	0.12	9.8	85	0.86	0.54	0.20	5.2
65	1.27	-0.77	0.31	0.5	86	1.04	0.67	0.11	10.5
66	1.11	-0.46	0.20	3.7	87	0.61	0.19	0.10	5.6
67	1.35	-0.85	0.17	15.9	88	1.33	-1.26	0.29	3.3
68	1.46	-0.35	0.23	5.9	89	0.75	1.26	0.17	6.8
69	1.56	-1.06	0.32	4.9	90	1.43	0.04	0.26	7.3
71	0.95	0.47	0.18	15.0	91	0.93	-0.32	0.16	1.7

M1= 74.6251, M2=567.7722, N=31,763

**Table 132. Item Parameter and Fit Summary,  
Constructed-Response Items, Grade 9 Writing**

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.30	-5.43				2.5
2	A	1.36	-1.72				7.7
2	B	1.66	-3.09				2.8
2	C	1.37	0.62				116.0
2	D	0.47	-1.37				51.6
2	E	0.87	0.20				0.6
2	F	0.81	-2.04				1.2
3	A	1.61	-4.54	-3.60	1.02	4.18	95.3
3	B	1.77	-6.95	-3.72	1.06	4.20	66.7
3	C	1.80	-6.73	-2.31			18.0
24		1.18	-2.63	-3.11	0.07	2.42	53.6
70		1.40	-3.86	-3.06	0.30	3.80	28.3
92		1.11	-2.59	-2.61	0.41	2.82	67.9

M1= 74.6251, M2=567.7722, N=31,763

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

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.54	-0.76	0.15	4.7	31	0.80	2.08	0.30	7.2
2	1.06	-0.75	0.33	3.4	32	1.51	-0.08	0.21	9.9
3	1.01	-0.43	0.15	9.9	33	1.23	1.27	0.16	11.4
5	0.54	0.55	0.20	-0.5	35	1.54	1.30	0.15	31.2
6	1.31	0.35	0.38	2.3	37	0.98	0.71	0.23	7.1
7	1.09	-0.23	0.35	8.8	38	1.57	-0.55	0.18	15.6
9	1.07	0.06	0.12	7.0	39	0.92	1.49	0.47	2.9
10	0.94	0.76	0.08	3.0	41	0.32	-4.67	0.20	2.4
11	0.68	0.45	0.11	0.8	42	0.89	0.42	0.16	4.0
13	0.81	-1.19	0.20	3.2	44	0.80	-0.02	0.34	4.1
14	0.73	-1.41	0.20	5.3	45	0.68	0.67	0.36	6.5
16	0.37	-0.19	0.18	9.9	47	1.23	-0.06	0.21	5.7
17	1.06	1.41	0.28	0.9	48	1.02	1.32	0.42	1.6
18	1.36	1.07	0.27	5.4	49	1.15	1.32	0.41	2.9
19	1.63	1.16	0.13	20.8	51	0.51	0.92	0.07	1.7
21	0.63	0.49	0.07	3.4	52	0.93	1.69	0.18	3.3
22	1.11	-0.81	0.33	-0.7	53	1.69	1.13	0.23	3.7
23	0.79	-1.49	0.10	5.8	55	1.06	-0.01	0.38	10.0
25	0.84	-0.19	0.35	4.9	56	1.24	-0.95	0.07	5.0
26	0.80	-1.38	0.20	3.2	57*				
28	0.70	0.04	0.24	-0.7	58	1.11	0.03	0.27	1.7
29	1.27	1.23	0.21	2.2	59	0.28	1.24	0.16	3.1
30	1.11	0.43	0.35	12.1					

M1= 63.1467, M2=582.4031, N=27,635

\* Item removed from calibration

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

Item	f	g1	g2	g3	g4	Fit-Z
4	1.73	1.38	1.80			41.1
8	1.10	-1.41	-0.06	0.60		22.4
12	1.45	-0.48	0.57			79.7
15	1.07	1.67	0.93	2.49		55.9
20	1.24	-1.35	-1.05	0.76	2.73	80.3
24	1.63	-1.13	1.58			52.7
27	1.25	0.25	1.39	3.40		2.9
34	1.21	-1.24	0.11	1.31		75.6
36	1.23	-0.17	1.40			14.4
40	0.84	0.69	2.73	0.89	0.46	37.3
43	1.65	1.29	1.99			33.8
46	1.36	0.50	2.16	0.65		59.0
50	1.07	-0.62	1.08			37.5
54	0.94	-1.40	1.36	1.15		22.8
60	1.02	-1.41	0.31	2.08	2.24	18.3

M1= 63.1467, M2=582.4031, N=27,635

**Table 135. Item Parameter and Fit Summary,  
Multiple-Choice Items, Grade 10 Reading**

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
4	0.40	-1.79	0.20	16.1	38	0.58	-1.89	0.19	4.6
5	0.42	-3.08	0.20	2.1	39	0.92	-0.88	0.22	1.2
6	0.73	-2.44	0.20	7.7	40	0.44	-0.25	0.16	-0.2
7	0.63	-0.52	0.22	5.0	42	0.37	2.77	0.14	-0.9
10	0.90	-1.10	0.26	6.9	44	0.71	-0.88	0.28	3.3
11	0.63	-1.66	0.19	13.1	45	0.97	-0.12	0.16	5.9
12	0.47	-0.13	0.17	0.8	46	1.08	-0.98	0.28	2.1
13	0.35	2.24	0.13	2.2	47	0.41	1.42	0.13	6.1
14	0.73	-0.95	0.10	4.9	48	0.78	-1.76	0.11	2.6
15	0.33	-0.08	0.20	2.0	51	0.62	0.84	0.22	6.7
16	0.59	-0.36	0.46	12.7	52	0.62	-0.78	0.20	4.6
17	0.49	0.68	0.18	1.0	53	1.03	-2.32	0.12	5.9
18	0.61	1.78	0.23	1.8	97	0.88	-1.98	0.08	5.8
19	0.60	0.34	0.17	0.9	98	0.63	-1.23	0.19	35.2
21	0.37	0.10	0.20	68.8	99	0.68	-1.46	0.20	165.7
22	0.98	-0.61	0.32	2.0	100	0.46	-2.73	0.20	175.9
23	0.46	-0.56	0.20	0.7	101	0.88	-2.02	0.16	2.1
24	1.31	-1.65	0.34	3.9	103	0.71	-0.37	0.21	3.4
25	0.71	-0.42	0.15	9.1	104	0.79	-1.37	0.19	101.1
26	0.65	-0.44	0.17	1.5	105	1.49	-1.85	0.15	5.8
27	0.43	-0.53	0.22	17.9	107	0.81	-0.26	0.27	11.7
29	0.76	0.68	0.27	4.9	108	0.25	1.82	0.20	13.7
30	1.01	0.26	0.23	6.9	110	0.91	-1.41	0.13	1.7
32	0.40	1.34	0.20	0.4	111	1.02	2.44	0.34	4.1
33	0.70	-1.33	0.22	1.8	112	0.75	-0.84	0.19	1.7
34	0.71	0.16	0.17	7.5	113	0.38	0.14	0.10	14.0
36	0.73	-1.54	0.13	1.5	114	0.97	0.75	0.28	5.9
37	0.84	0.34	0.42	25.8					

M1=50.3696, M2=696.0172, N=27,252

**Table 136. Item Parameter and Fit Summary,  
Constructed-Response Items, Grade 10 Reading**

Item	f	g1	g2	g3	g4	Fit-Z
8	0.79	0.06	1.26			15.3
9	0.73	0.41	-1.41	-1.15		61.4
20	0.76	-0.02	0.53	-0.74		85.0
28	0.89	-1.37	-0.63	0.99		20.6
31	0.61	0.06	0.54	1.60		15.0
35	0.95	-0.57	0.81			5.9
41	0.59	0.52	-0.42	0.82	1.14	62.8
43	0.55	-1.78	-0.89	0.72		25.5
49	0.67	-0.58	-1.67	-0.62		15.7
50	0.76	-1.73	1.03	0.51		41.5
96	0.67	0.05	-0.08	0.15		49.9
102	0.52	-0.55	0.63			15.7
106	0.69	0.79	-0.59	1.80		7.2
109	0.73	0.76	-0.13			34.9

M1=50.3696, M2=696.0172, N=27,252

**Table 137. Item Parameter and Fit Summary,  
Multiple-Choice Items, Grade 10 Writing**

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
54	0.44	-0.33	0.10	11.5	75	0.47	-0.24	0.20	5.2
55	0.59	-2.09	0.20	10.9	76	0.70	1.45	0.43	6.8
56	0.96	-0.95	0.27	1.5	77	0.62	-0.78	0.14	26.2
57	0.78	0.05	0.24	3.3	78	0.80	0.46	0.16	8.1
58	1.19	-1.97	0.20	1.7	79	0.66	-1.15	0.05	7.4
59	1.33	-1.61	0.16	1.7	80	0.51	-0.96	0.08	16.5
60	1.26	-1.14	0.34	5.9	81	0.89	-1.03	0.09	12.6
61	1.34	-1.77	0.16	3.4	82	0.73	-1.66	0.06	12.4
62	1.09	-1.87	0.08	5.6	83	1.33	-1.36	0.26	4.5
63	1.05	0.42	0.20	7.1	84	1.04	0.14	0.18	9.5
64	0.40	1.80	0.14	20.8	85	1.23	-1.00	0.25	4.7
65	0.97	1.40	0.14	11.4	86	1.39	2.40	0.42	36.2
66	0.30	0.47	0.20	57.0	87	0.39	0.78	0.06	4.7
67	1.19	-1.65	0.16	3.6	88	0.60	-0.97	0.04	15.0
68	0.56	-1.16	0.14	13.5	89	0.58	-1.30	0.14	16.4
69	0.50	-1.58	0.14	6.6	90	0.80	-1.73	0.14	9.5
70	0.66	-1.18	0.05	1.0	91	0.75	0.35	0.24	11.3
71	1.15	-1.38	0.08	5.4	92	0.68	0.39	0.13	3.7
72	1.16	-1.75	0.14	5.2	93	1.64	-1.36	0.18	4.8
74	0.53	1.75	0.28	5.4	94	1.10	-1.13	0.07	31.5

M1= 74.2223, M2=595.7375, N=27,198

**Table 138. Item Parameter and Fit Summary,  
Constructed-Response Items, Grade 10 Writing**

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.19	-5.39				1.9
2	A	0.95	-0.44				0.4
2	B	1.35	-1.08				15.0
2	C	0.77	0.55				10.5
2	D	1.02	-0.05				1.6
2	E	0.60	-0.44				15.7
2	F	1.51	-2.30				4.7
3	A	1.53	-4.99	-4.49	-0.15	3.60	23.9
3	B	1.68	-6.66	-4.62	-0.12	3.59	25.0
3	C	1.80	-7.21	-2.90			6.2
73		1.14	-2.74	-3.44	-0.51	2.56	60.1
95		1.20	-2.38	-3.19	-0.44	2.60	150.0
115		0.97	-1.92	-3.30	0.24	2.13	45.9

M1= 74.2223, M2=595.7375, N=27,198



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

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	1.34	1.12	0.50	48.1	31	0.97	1.58	0.23	24.0
2	1.23	1.53	0.44	5.9	33	1.63	1.55	0.47	21.8
3	0.29	2.86	0.13	14.7	35	0.72	0.33	0.20	5.0
5	0.66	-0.57	0.21	3.1	36	1.32	0.13	0.19	6.6
6	1.17	0.83	0.27	9.1	37	0.61	-0.16	0.18	9.2
7	1.34	1.24	0.33	6.8	38	0.67	-0.75	0.07	5.9
8	0.88	2.06	0.13	5.3	39	1.32	0.60	0.31	4.7
10	0.46	-2.65	0.20	20.2	41*				
11	1.47	0.84	0.24	66.0	42	0.60	-0.69	0.12	1.9
12	1.21	-0.57	0.35	1.6	43	1.05	1.51	0.41	0.5
13	1.28	1.30	0.20	309.5	44	1.67	-0.41	0.17	5.5
14	1.56	0.16	0.18	22.2	46	0.57	-2.19	0.20	18.1
16	0.91	0.28	0.28	4.1	47	1.30	0.70	0.05	4.3
17	1.16	-0.37	0.33	4.3	49	1.15	1.51	0.35	2.8
19	0.87	0.49	0.49	12.7	50	0.60	1.28	0.33	27.7
21	1.12	1.06	0.16	2.7	51	1.00	-0.23	0.19	0.8
22	1.21	-1.31	0.05	10.8	52	0.51	0.93	0.08	4.0
23	1.45	1.42	0.12	15.8	53	1.73	0.92	0.40	4.7
24	1.01	1.34	0.06	18.4	55	0.81	0.10	0.16	9.2
26	1.08	0.46	0.35	6.3	56	1.76	1.51	0.29	17.2
27	1.36	-0.56	0.22	6.8	58	0.71	0.01	0.24	1.0
29	0.90	-1.03	0.35	2.6	59	0.68	0.12	0.29	12.6
30	1.15	0.07	0.34	2.1					

M1= 64.1441, M2=591.6688, N=27,473

\* Item removed from calibration

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

Item	f	g1	g2	g3	g4	Fit-Z
4	0.92	-0.20	-1.48			73.3
9	1.52	1.13	2.11	2.02		5.2
15	1.14	-0.66	1.65			81.7
18	1.16	0.70	1.31	2.54		29.8
20*	1.44	1.75	2.43	3.46	3.86	1.4
25	1.61	0.24	1.28			11.9
28	0.65	-1.19	2.00	-0.72		62.1
32	1.45	-1.20	2.63			49.6
34	1.04	-1.16	-0.29	0.29		22.3
40	0.97	-0.86	0.69	2.23	-1.38	28.4
45	0.69	1.30	0.14			41.8
48	1.56	1.41	0.91	1.49		34.8
54	1.26	-3.63	1.11			48.8
57	1.29	0.09	2.21	0.35		48.7
60	1.28	-2.28	0.59	1.53	4.28	25.8

M1= 64.1441, M2=591.6688, N=27,473

\* Parameters from 2004 M1=61.9509 M2=591.5482, N=7,500

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

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	1.29	0.41	0.11	17.6	43	0.95	0.26	0.13	8.5
2	0.93	-1.34	0.22	2.3	44	0.54	-1.29	0.20	42.2
3	0.16	2.09	0.20	33.8	45	0.77	0.79	0.15	4.6
4	1.30	1.36	0.25	3.8	47	0.63	1.42	0.10	1.5
5	0.53	0.86	0.25	2.3	48	0.65	2.21	0.29	0.5
6	1.68	1.80	0.43	20.9	49	0.88	-2.12	0.11	42.3
7	0.74	0.09	0.20	0.4	51	0.49	0.68	0.09	5.3
8	1.32	1.13	0.18	67.9	53	0.86	0.04	0.12	3.4
9	1.01	-0.61	0.35	5.1	54	0.69	0.92	0.26	4.3
10	0.99	-0.79	0.28	5.0	55	0.30	2.84	0.26	18.1
11	0.68	3.11	0.18	14.4	56	0.92	0.13	0.24	3.5
13*					57	1.45	1.04	0.26	12.9
14	1.09	-1.64	0.08	10.5	59	0.84	1.04	0.38	11.5
15	0.74	1.80	0.30	1.5	60	0.51	-0.05	0.18	15.0
16	0.90	0.97	0.19	3.1	61	0.92	-0.77	0.31	3.8
17	1.04	-0.37	0.34	5.8	62	1.25	-0.97	0.12	11.7
18	0.94	-0.08	0.26	1.5	64	0.80	-0.67	0.20	22.8
19	1.03	0.08	0.22	4.2	65	0.92	-0.68	0.15	6.5
20*					66	0.30	-2.44	0.20	53.4
28	1.02	-2.40	0.20	22.3	67	0.45	-1.35	0.20	64.9
30	1.25	-1.61	0.16	11.8	68	1.16	-0.07	0.26	5.5
31	0.58	-0.85	0.20	77.7	70	0.70	0.51	0.15	12.5
32	1.07	0.05	0.24	10.2	72	1.29	0.69	0.21	5.0
33	0.66	-0.67	0.16	8.4	73	1.12	-0.14	0.36	13.8
35	0.47	0.60	0.16	3.2	74	0.85	0.88	0.17	4.8
36	1.35	1.89	0.32	23.9	76	0.56	0.53	0.05	21.6
37	1.36	0.94	0.24	8.5	79	0.78	-0.90	0.08	10.5
39	0.70	-0.09	0.22	4.3	80	1.11	0.93	0.21	8.7
41	1.13	0.08	0.13	14.7	81	0.82	-0.24	0.16	2.3
42	0.83	-1.33	0.20	6.0	82	1.09	-0.32	0.31	1.7

M1=53.8540, M2=506.8378, N=45,370

\* Item removed from calibration

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

Item	f	g1	g2	g3	g4	Fit-Z
12	0.66	-0.75				4.4
21	0.47	0.16	-0.51	-0.54	-0.34	36.7
22	0.89	1.52				13.9
23	0.54	-0.46	-0.51	0.08		30.1
24	1.09	0.72				71.3
25	0.78	-0.01				38.6
26	1.00	-0.01				100.5
27	0.24	0.82	1.22			74.3
29	0.91	-0.19	0.78			15.4
34	1.17	0.79	0.92			22.5
38	1.01	0.92	1.57			114.0
40	0.73	-1.76	-0.54			26.3
46	1.11	1.39	2.34			4.8
50	1.14	-0.19	2.00			69.4
52	1.36	1.42				13.3
58	1.40	1.67	2.63			23.2
63	1.22	1.92	1.98			21.3
69	1.10	1.59				3.9
71	0.91	-1.45	-0.11			43.5
75	1.07	-0.38				25.9
77	1.03	0.24	1.44			7.2
78	1.17	1.85				0.9
83	0.64	3.23	0.80			18.0

M1=53.8540, M2=506.8378, N=45,370

**Table 143. Correlations Between the Reference and New Form Item Parameters for the 2006 CSAP Administration**

<b>Content</b>	<b>Grade</b>	<b>Discrimination (a)</b>	<b>Difficulty (b)</b>	<b>Guessing (c)</b>	<b>P-Value (p)</b>
Reading	3	0.88	0.97	0.92	0.97
	4	0.94	0.95	0.61	0.99
	5	0.95	0.96	0.90	0.97
	6	0.88	0.96	0.8	0.96
	7	0.97	0.96	0.73	0.99
	8	0.95	0.98	0.75	0.99
	9	0.96	0.94	0.81	0.99
	10	0.86	0.96	0.52	0.97
Writing	3	0.86	0.92	0.31	0.99
	4	0.94	0.94	0.43	0.99
	5	0.95	0.94	0.55	0.97
	6	0.93	0.98	0.68	0.98
	7	0.93	0.96	0.81	0.98
	8	0.92	0.98	0.84	0.98
	9	0.94	0.98	0.85	0.99
	10	0.92	0.99	0.77	0.99
Math	3	0.87	0.99	0.86	0.99
	4	0.96	0.99	0.74	0.99
	5	0.93	0.95	0.68	0.99
	6	0.97	1.00	0.92	1.00
	7	0.99	0.99	0.77	0.99
	8	0.96	0.88	0.75	0.99
	9	0.97	0.99	0.96	0.99
	10	0.94	1.00	0.95	1.00
Science	8	0.97	0.99	0.95	0.99
Reading Spanish	3	0.97	0.99	0.95	0.99
Writing Spanish	3	0.97	0.99	0.95	0.99

**Table 144. Scaling Constants Across Grades and Content Areas for Two Administrations**

Content	Grade	2005		2006	
		Multiplicative	Additive	Multiplicative	Additive
Reading	3	59.6	565.0	62.6	559.2
	4	57.6	590.3	52.5	590.1
	5	58.8	615.0	60.1	612.0
	6	58.5	632.6	57.5	624.6
	7	54.5	649.6	58.8	639.6
	8	56.5	650.2	55.8	653.1
	9	45.6	668.8	51.8	668.2
	10	49.6	685.0	50.4	696.0
Writing	3	44.6	467.6	47.7	462.4
	4	49.2	482.9	47.3	480.3
	5	50.6	506.5	54.1	508.7
	6	57.1	530.3	58.6	521.9
	7	63.8	555.1	65.3	550.7
	8	64.9	562.0	68.8	556.6
	9	70.7	572.8	74.6	567.8
	10	73.9	581.0	74.2	595.7
Math	3	72.3	470.0	75.3	473.6
	4	68.3	491.6	66.2	493.6
	5	66.5	529.3	63.5	524.8
	6	64.8	553.2	65.9	536.8
	7	59.8	563.7	64.4	560.2
	8	54.9	575.5	62.7	577.2
	9	59.5	585.4	63.1	582.4
	10	61.4	596.7	64.1	591.7
Science	5	-*	-*	50.2	554.7
	8	51.2	506.5	51.3	513.6
	10	-*	-*	53.9	506.8
Reading Spanish	3	36.2	530.4	36.0	528.0
	4	39.5	550.2	-**	-**
Writing Spanish	3	50.1	498.7	55.3	502.9
	4	37.0	524.4	-**	-**

\* Science Grades 5 and 10 were first administered in 2006 and do not contain anchor items

\*\*Grade 4 Spanish Reading and Writing have been equated each year except 2006, when they were pre-equated using items from 2002, 2004, and 2005.

**Table 145. 2006 CSAP Item and Anchor Count by Content Standard for Final Calibration Sample: Reading**

Test_Area	Grade	Content_Area	Item Set	No. of Items	Percent
Eng. Reading	G03	CS 1	Total Test	40	100.0
			Anchor Set	17	100.0
		Total	Total Test	40	100.0
			Anchor Set	17	100.0
Eng. Reading	G04	CS 1	Total Test	32	45.7
			Anchor Set	9	36.0
		CS 4	Total Test	12	17.1
			Anchor Set	5	20.0
		CS 5	Total Test	14	20.0
			Anchor Set	6	24.0
		CS 6	Total Test	12	17.1
			Anchor Set	5	20.0
		Total	Total Test	70	100.0
			Anchor Set	25	100.0
Eng. Reading	G05	CS 1	Total Test	26	36.6
			Anchor Set	9	37.5
		CS 4	Total Test	15	21.1
			Anchor Set	5	20.8
		CS 5	Total Test	17	23.9
			Anchor Set	5	20.8
		CS 6	Total Test	13	18.3
			Anchor Set	5	20.8
		Total	Total Test	71	100.0
			Anchor Set	24	100.0
Eng. Reading	G06	CS 1	Total Test	24	33.8
			Anchor Set	8	33.3
		CS 4	Total Test	17	23.9
			Anchor Set	6	25.0
		CS 5	Total Test	17	23.9
			Anchor Set	6	25.0
		CS 6	Total Test	13	18.3
			Anchor Set	4	16.7
		Total	Total Test	71	100.0
			Anchor Set	24	100.0
Eng. Reading	G07	CS 1	Total Test	20	27.8
			Anchor Set	8	32.0
		CS 4	Total Test	17	23.6
			Anchor Set	7	28.0
		CS 5	Total Test	19	26.4
			Anchor Set	6	24.0
		CS 6	Total Test	16	22.2
			Anchor Set	4	16.0
		Total	Total Test	72	100.0
			Anchor Set	25	100.0

**Table 145. 2006 CSAP Item and Anchor Count by Content Standard for Final Calibration Sample: Reading (Concluded)**

Test_Area	Grade	Content_Area	Item Set	No. of Items	Percentage		
Eng. Reading	G08	CS 1	Total Test	22	30.6		
			Anchor Set	9	36.0		
		CS 4	Total Test	18	25.0		
			Anchor Set	6	24.0		
		CS 5	Total Test	16	22.2		
			Anchor Set	6	24.0		
		CS 6	Total Test	16	22.2		
			Anchor Set	4	16.0		
		Total	Total Test	72	100.0		
			Anchor Set	25	100.0		
		Eng. Reading	G09	CS 1	Total Test	27	37.5
					Anchor Set	9	36.0
CS 4	Total Test			15	20.8		
	Anchor Set			6	24.0		
CS 5	Total Test			17	23.6		
	Anchor Set			4	16.0		
CS 6	Total Test			13	18.1		
	Anchor Set			6	24.0		
Total	Total Test			72	100.0		
	Anchor Set			25	100.0		
Eng. Reading	G10			CS 1	Total Test	25	36.2
					Anchor Set	7	28.0
		CS 4	Total Test	15	21.7		
			Anchor Set	5	20.0		
		CS 5	Total Test	17	24.6		
			Anchor Set	6	24.0		
		CS 6	Total Test	12	17.4		
			Anchor Set	7	28.0		
		Total	Total Test	69	100.0		
			Anchor Set	25	100.0		

**Table 146. 2006 CSAP Item and Anchor Count by Content Standard for  
Final Calibration Sample: Mathematics**

<b>Test Area</b>	<b>Grade</b>	<b>Content Area</b>	<b>Item Set</b>	<b>No. of items</b>	<b>Percentage</b>		
Mathematics	G03	CS 1	Total Test	8	20.0		
			Anchor Set	4	23.5		
		CS 2/3	Total Test	11	27.5		
			Anchor Set	4	23.5		
		CS 4/5	Total Test	14	35.0		
			Anchor Set	6	35.3		
		CS 6	Total Test	7	17.5		
			Anchor Set	3	17.6		
		Total	Total Test	40	100.0		
		Anchor Set	17	100.0			
Mathematics	G04	CS 1	Total Test	14	20.3		
			Anchor Set	4	21.1		
		CS 2	Total Test	9	13.0		
			Anchor Set	1	5.3		
		CS 3	Total Test	11	15.9		
			Anchor Set	4	21.1		
		CS 4/5	Total Test	21	30.4		
			Anchor Set	7	36.8		
		CS 6	Total Test	14	20.3		
			Anchor Set	3	15.8		
		Total	Total Test	69	100.0		
		Anchor Set	19	100.0			
		Mathematics	G05	CS 1	Total Test	16	23.2
					Anchor Set	5	25.0
CS 2	Total Test			12	17.4		
	Anchor Set			4	20.0		
CS 3	Total Test			11	15.9		
	Anchor Set			4	20.0		
CS 4/5	Total Test			14	20.3		
	Anchor Set			3	15.0		
CS 6	Total Test			16	23.2		
	Anchor Set			4	20.0		
Total	Total Test			69	100.0		
Anchor Set	20			100.0			



**Table 146. 2006 CSAP Item and Anchor Count by Content Standard for Final Calibration Sample: Mathematics (Continued)**

Test_Area	Grade	Content_Area	Item Set	No. of items	Percentage		
Mathematics	G06	CS 1	Total Test	12	20.0		
			Anchor Set	5	26.3		
		CS 2	Total Test	10	16.7		
			Anchor Set	3	15.8		
		CS 3	Total Test	11	18.3		
			Anchor Set	3	15.8		
		CS 4/5	Total Test	16	26.7		
			Anchor Set	5	26.3		
		CS 6	Total Test	11	18.3		
			Anchor Set	3	15.8		
		Total	Total Test	60	100.0		
			Anchor Set	19	100.0		
		Mathematics	G07	CS 1/6	Total Test	19	31.7
Anchor Set	5				25.0		
CS 2	Total Test			12	20.0		
	Anchor Set			5	25.0		
CS 3	Total Test			12	20.0		
	Anchor Set			4	20.0		
CS 4/5	Total Test			17	28.3		
	Anchor Set			6	30.0		
Total	Total Test			60	100.0		
	Anchor Set			20	100.0		
Mathematics	G08			CS 1/6	Total Test	15	25.0
					Anchor Set	4	20.0
				CS 2	Total Test	15	25.0
		Anchor Set	6		30.0		
		CS 3	Total Test	12	20.0		
			Anchor Set	4	20.0		
		CS 4/5	Total Test	18	30.0		
			Anchor Set	6	30.0		
		Total	Total Test	60	100.0		
			Anchor Set	20	100.0		
		Mathematics	G09	CS 1/6	Total Test	13	22.0
					Anchor Set	4	19.0
				CS 2	Total Test	16	27.1
Anchor Set	6				28.6		
CS 3	Total Test			15	25.4		
	Anchor Set			6	28.6		
CS 4/5	Total Test			15	25.4		
	Anchor Set			5	23.8		
Total	Total Test			59	100.0		
	Anchor Set			21	100.0		

**Table 146. 2006 CSAP Item and Anchor Count by Content Standard for  
Final Calibration Sample: Mathematics (Concluded)**

<b>Test_Area</b>	<b>Grade</b>	<b>Content_Area</b>	<b>Item Set</b>	<b>No. of items</b>	<b>Percentage</b>
Mathematics	G10	CS 1/6	Total Test	13	21.7
			Anchor Set	4	21.1
		CS 2	Total Test	17	28.3
			Anchor Set	6	31.6
		CS 3	Total Test	15	25.0
			Anchor Set	5	26.3
		CS 4/5	Total Test	15	25.0
			Anchor Set	4	21.1
		Total	Total Test	60	100.0
			Anchor Set	19	100.0

**Table 147. 2006 CSAP Item and Anchor Count by Content Standard for Final Calibration Sample: Writing**

Test_Area	Grade	Content_Area	Item Set	No. of items	Percentage
Writing	G03	CS 2	Total Test	21	39.6
			Anchor Set	10	43.5
		CS 3	Total Test	32	60.4
			Anchor Set	13	56.5
		Total	Total Test	53	100.0
			Anchor Set	23	100.0
Writing	G04	CS 2	Total Test	21	39.6
			Anchor Set	10	45.5
		CS 3	Total Test	32	60.4
			Anchor Set	12	54.5
		Total	Total Test	53	100.0
			Anchor Set	22	100.0
Writing	G05	CS 2	Total Test	21	39.6
			Anchor Set	11	45.8
		CS 3	Total Test	32	60.4
			Anchor Set	13	54.2
		Total	Total Test	53	100.0
			Anchor Set	24	100.0
Writing	G06	CS 2	Total Test	21	38.9
			Anchor Set	10	45.5
		CS 3	Total Test	33	61.1
			Anchor Set	12	54.5
		Total	Total Test	54	100.0
			Anchor Set	22	100.0
Writing	G07	CS 2	Total Test	21	39.6
			Anchor Set	11	44.0
		CS 3	Total Test	32	60.4
			Anchor Set	14	56.0
		Total	Total Test	53	100.0
			Anchor Set	25	100.0
Writing	G08	CS 2	Total Test	20	39.2
			Anchor Set	11	50.0
		CS 3	Total Test	31	60.8
			Anchor Set	11	50.0
		Total	Total Test	51	100.0
			Anchor Set	22	100.0
Writing	G09	CS 2	Total Test	21	39.6
			Anchor Set	9	39.1
		CS 3	Total Test	32	60.4
			Anchor Set	14	60.9
		Total	Total Test	53	100.0
			Anchor Set	23	100.0

**Table 147. 2006 CSAP Item and Anchor Count by Content Standard for  
Final Calibration Sample: Writing (Concluded)**

<b>Test_Area</b>	<b>Grade</b>	<b>Content_Area</b>	<b>Item Set</b>	<b>No. of items</b>	<b>Percentage</b>
Writing	G10	CS 2	Total Test	21	39.6
			Anchor Set	10	40.0
		CS 3	Total Test	32	60.4
			Anchor Set	15	60.0
		Total	Total Test	53	100.0
			Anchor Set	25	100.0

**Table 148. 2006 CSAP Item and Anchor Count by Content Standard for  
Final Calibration Sample: Science**

Test Area	Grade	Content Area	Item Set	No. of items	Percentage		
Science	G05	CS 1/6	Total Test	27	36.0		
			Anchor Set*				
		CS 2/5	Total Test	15	20.0		
			Anchor Set*				
		CS 3/5	Total Test	15	20.0		
			Anchor Set*				
		CS 4/5	Total Test	18	24.0		
			Anchor Set*				
		Total	Total Test	75	100.0		
			Anchor Set				
Science	G08	CS 1/6	Total Test	27	33.3		
			Anchor Set	7	35.0		
		CS 2/5	Total Test	19	23.5		
			Anchor Set	4	20.0		
		CS 3/5	Total Test	18	22.2		
			Anchor Set	5	25.0		
		CS 4/5	Total Test	17	21.0		
			Anchor Set	4	20.0		
		Total	Total Test	81	100.0		
			Anchor Set	20	100.0		
		Science	G10	CS 1/6	Total Test	28	34.6
					Anchor Set*		
CS 2/5	Total Test			18	22.2		
	Anchor Set*						
CS 3/5	Total Test			18	22.2		
	Anchor Set*						
CS 4/5	Total Test			17	21.0		
	Anchor Set*						
Total	Total Test			81	100.0		
	Anchor Set						

\* Science Grades 5 and 10 were first administered in 2006 and do not contain anchor items

**Table 149. 2006 CSAP Item and Anchor Count by Content Standard for  
Final Calibration Sample: Reading & Writing Spanish**

<b>Test Area</b>	<b>Grade</b>	<b>Content Area</b>	<b>Item Set</b>	<b>No. of items</b>	<b>Percentage</b>		
Reading Spanish	G03	CS 1	Anchor	18	100.0		
			Total	40	100.0		
		Total	Anchor	18	100.0		
			Total	40	100.0		
Writing Spanish	G03	CS 2	Anchor	5	27.8		
			Total	20	37.7		
		CS 3	Anchor	13	72.2		
			Total	33	62.3		
		Total	Anchor	18	100.0		
			Total	53	100.0		
Reading Spanish	G04	CS 1	Anchor	7	36.8		
			Total	31	44.9		
		CS 4	Anchor	5	26.3		
			Total	14	20.3		
		CS 5	Anchor	4	21.1		
			Total	13	18.8		
		CS 6	Anchor	3	15.8		
			Total	11	15.9		
		Total	Anchor	19	100.0		
			Total	69	100.0		
		Writing Spanish	G04	CS 2	Anchor	4	22.2
					Total	19	35.8
CS 3	Anchor			14	77.8		
	Total			34	64.2		
Total	Anchor			18	100.0		
	Total			53	100.0		