

2007 Grade 3 Math Item Analysis

MATH Question 1

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	48	.0	.0	.0
	61	.0	.0	.1
1	2049	1.0	1.0	1.1
3	1823	.9	.9	2.0
4	608	.3	.3	2.3
B	195628	97.7	97.7	100.0
Total	200217	100.0	100.0	

MATH Question 2

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	107	.1	.1	.1
	73	.0	.0	.1
1	2768	1.4	1.4	1.5
2	8827	4.4	4.4	5.9
4	5065	2.5	2.5	8.4
C	183377	91.6	91.6	100.0
Total	200217	100.0	100.0	

MATH Question 3

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	129	.1	.1	.1
	122	.1	.1	.1
1	4124	2.1	2.1	2.2
3	8809	4.4	4.4	6.6
4	13414	6.7	6.7	13.3
B	173619	86.7	86.7	100.0
Total	200217	100.0	100.0	

MATH Question 4

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	113	.1	.1	.1
	137	.1	.1	.1
1	4639	2.3	2.3	2.4
2	35883	17.9	17.9	20.4
4	4235	2.1	2.1	22.5
C	155210	77.5	77.5	100.0
Total	200217	100.0	100.0	

MATH Question 5

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	103	.1	.1	.1
	144	.1	.1	.1
1	8468	4.2	4.2	4.4
2	7395	3.7	3.7	8.0
4	9260	4.6	4.6	12.7
C	174847	87.3	87.3	100.0
Total	200217	100.0	100.0	

MATH Question 6

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	175	.1	.1	.1
	135	.1	.1	.2
1	2441	1.2	1.2	1.4
2	9236	4.6	4.6	6.0
3	2830	1.4	1.4	7.4
D	185400	92.6	92.6	100.0
Total	200217	100.0	100.0	

MATH Question 7

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	134	.1	.1	.1
	210	.1	.1	.2
2	18464	9.2	9.2	9.4
3	10887	5.4	5.4	14.8
4	21216	10.6	10.6	25.4
A	149306	74.6	74.6	100.0
Total	200217	100.0	100.0	

MATH Question 8

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	76	.0	.0	.0
	141	.1	.1	.1
1	30495	15.2	15.2	15.3
2	6122	3.1	3.1	18.4
4	4865	2.4	2.4	20.8
C	158518	79.2	79.2	100.0
Total	200217	100.0	100.0	

MATH Question 9

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	92	.0	.0	.0
	166	.1	.1	.1
1	16472	8.2	8.2	8.4
2	13178	6.6	6.6	14.9
4	8387	4.2	4.2	19.1
C	161922	80.9	80.9	100.0
Total	200217	100.0	100.0	

MATH Question 10

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	152	.1	.1	.1
	168	.1	.1	.2
2	6906	3.4	3.4	3.6
3	5330	2.7	2.7	6.3
4	56788	28.4	28.4	34.6
A	130873	65.4	65.4	100.0
Total	200217	100.0	100.0	

MATH Question 11

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	119	.1	.1	.1
	131	.1	.1	.1
2	14023	7.0	7.0	7.1
3	3891	1.9	1.9	9.1
4	21800	10.9	10.9	20.0
A	160253	80.0	80.0	100.0
Total	200217	100.0	100.0	

MATH Question 12

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	104	.1	.1	.1
	155	.1	.1	.1
1	9345	4.7	4.7	4.8
3	3111	1.6	1.6	6.4
4	17182	8.6	8.6	14.9
B	170320	85.1	85.1	100.0
Total	200217	100.0	100.0	

MATH Question 13

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	123	.1	.1	.1
	282	.1	.1	.2
2	33348	16.7	16.7	16.9
3	14056	7.0	7.0	23.9
4	18813	9.4	9.4	33.3
A	133595	66.7	66.7	100.0
Total	200217	100.0	100.0	

MATH Question 14

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	160	.1	.1	.1
	172	.1	.1	.2
2	3062	1.5	1.5	1.7
3	1160	.6	.6	2.3
4	5284	2.6	2.6	4.9
A	190379	95.1	95.1	100.0
Total	200217	100.0	100.0	

MATH Question 15

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	496	.2	.2	.2
	261	.1	.1	.4
1	4795	2.4	2.4	2.8
2	6893	3.4	3.4	6.2
3	20049	10.0	10.0	16.2
D	167723	83.8	83.8	100.0
Total	200217	100.0	100.0	

MATH Question 16

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	130	.1	.1	.1
	201	.1	.1	.2
2	8084	4.0	4.0	4.2
3	2774	1.4	1.4	5.6
4	4875	2.4	2.4	8.0
A	184153	92.0	92.0	100.0
Total	200217	100.0	100.0	

MATH Question 17

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	62	.0	.0	.0
	202	.1	.1	.1
1	16026	8.0	8.0	8.1
2	6089	3.0	3.0	11.2
4	3652	1.8	1.8	13.0
C	174186	87.0	87.0	100.0
Total	200217	100.0	100.0	

MATH Question 18

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	53	.0	.0	.0
	180	.1	.1	.1
1	12228	6.1	6.1	6.2
3	5577	2.8	2.8	9.0
4	3835	1.9	1.9	10.9
B	178344	89.1	89.1	100.0
Total	200217	100.0	100.0	

MATH Question 19

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	132	.1	.1	.1
	215	.1	.1	.2
1	6925	3.5	3.5	3.6
3	5230	2.6	2.6	6.2
4	11441	5.7	5.7	12.0
B	176274	88.0	88.0	100.0
Total	200217	100.0	100.0	

MATH Question 20

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	122	.1	.1	.1
	289	.1	.1	.2
1	9618	4.8	4.8	5.0
2	2812	1.4	1.4	6.4
3	11119	5.6	5.6	12.0
D	176257	88.0	88.0	100.0
Total	200217	100.0	100.0	

MATH Question 21

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	205	.1	.1	.1
	299	.1	.1	.3
1	10983	5.5	5.5	5.7
2	5349	2.7	2.7	8.4
3	17036	8.5	8.5	16.9
D	166345	83.1	83.1	100.0
Total	200217	100.0	100.0	

MATH Question 22

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	146	.1	.1	.1
	311	.2	.2	.2
2	11231	5.6	5.6	5.8
3	4334	2.2	2.2	8.0
4	11765	5.9	5.9	13.9
A	172430	86.1	86.1	100.0
Total	200217	100.0	100.0	

MATH Question 23

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	183	.1	.1	.1
	528	.3	.3	.4
1	13561	6.8	6.8	7.1
2	13090	6.5	6.5	13.7
3	19807	9.9	9.9	23.6
D	153048	76.4	76.4	100.0
Total	200217	100.0	100.0	

MATH Question 24

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	93	.0	.0	.0
	647	.3	.3	.4
1	32153	16.1	16.1	16.4
2	19877	9.9	9.9	26.4
4	11807	5.9	5.9	32.3
C	135640	67.7	67.7	100.0
Total	200217	100.0	100.0	

MATH Question 25

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	88	.0	.0	.0
	1360	.7	.7	.7
1	22666	11.3	11.3	12.0
2	18550	9.3	9.3	21.3
4	22464	11.2	11.2	32.5
C	135089	67.5	67.5	100.0
Total	200217	100.0	100.0	

2007 Grade 3 Math Item Analysis- CR**Descriptive Statistics**

	N	Minimum	Maximum	Mean	Std. Deviation
MATH Question 26	200094	0	2	1.85	.466
MATH Question 27	199932	0	2	1.43	.816
MATH Question 28	200046	0	3	2.08	.816
MATH Question 29	199933	0	2	1.47	.670
MATH Question 30	199846	0	2	.91	.892
MATH Question 31	199969	0	3	2.41	.722
Valid N (listwise)	199391				