

2007 Grade 8 Math Item Analysis

Frequency Table

MATH Question 1

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	27	.0	.0	.0
	64	.0	.0	.0
2	12409	5.8	5.8	5.8
3	1317	.6	.6	6.4
4	2043	.9	.9	7.4
A	199562	92.6	92.6	100.0
Total	215422	100.0	100.0	

MATH Question 2

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	43	.0	.0	.0
	194	.1	.1	.1
1	6098	2.8	2.8	2.9
3	19039	8.8	8.8	11.8
4	11219	5.2	5.2	17.0
B	178829	83.0	83.0	100.0
Total	215422	100.0	100.0	

MATH Question 3

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	54	.0	.0	.0
	293	.1	.1	.2
1	17543	8.1	8.1	8.3
2	22758	10.6	10.6	18.9
4	25938	12.0	12.0	30.9
C	148836	69.1	69.1	100.0
Total	215422	100.0	100.0	

MATH Question 4

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	53	.0	.0	.0
	139	.1	.1	.1
1	11667	5.4	5.4	5.5
3	5972	2.8	2.8	8.3
4	28092	13.0	13.0	21.3
B	169499	78.7	78.7	100.0
Total	215422	100.0	100.0	

MATH Question 5

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	45	.0	.0	.0
	209	.1	.1	.1
1	16614	7.7	7.7	7.8
2	22161	10.3	10.3	18.1
4	3315	1.5	1.5	19.7
C	173078	80.3	80.3	100.0
Total	215422	100.0	100.0	

MATH Question 6

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	45	.0	.0	.0
	356	.2	.2	.2
1	9568	4.4	4.4	4.6
2	11066	5.1	5.1	9.8
4	31172	14.5	14.5	24.2
C	163215	75.8	75.8	100.0
Total	215422	100.0	100.0	

MATH Question 7

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	72	.0	.0	.0
	498	.2	.2	.3
1	20296	9.4	9.4	9.7
2	26949	12.5	12.5	22.2
3	32128	14.9	14.9	37.1
D	135479	62.9	62.9	100.0
Total	215422	100.0	100.0	

MATH Question 8

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	58	.0	.0	.0
	337	.2	.2	.2
1	22217	10.3	10.3	10.5
3	34865	16.2	16.2	26.7
4	29892	13.9	13.9	40.6
B	128053	59.4	59.4	100.0
Total	215422	100.0	100.0	

MATH Question 9

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	54	.0	.0	.0
	235	.1	.1	.1
1	27677	12.8	12.8	13.0
3	40254	18.7	18.7	31.7
4	22334	10.4	10.4	42.0
B	124868	58.0	58.0	100.0
Total	215422	100.0	100.0	

MATH Question 10

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	52	.0	.0	.0
	202	.1	.1	.1
1	25767	12.0	12.0	12.1
2	31672	14.7	14.7	26.8
4	29749	13.8	13.8	40.6
C	127980	59.4	59.4	100.0
Total	215422	100.0	100.0	

MATH Question 11

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	46	.0	.0	.0
	273	.1	.1	.1
1	26620	12.4	12.4	12.5
2	25763	12.0	12.0	24.5
3	26285	12.2	12.2	36.7
D	136435	63.3	63.3	100.0
Total	215422	100.0	100.0	

MATH Question 12

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	50	.0	.0	.0
	498	.2	.2	.3
1	24667	11.5	11.5	11.7
2	24174	11.2	11.2	22.9
4	17752	8.2	8.2	31.2
C	148281	68.8	68.8	100.0
Total	215422	100.0	100.0	

MATH Question 13

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	29	.0	.0	.0
	147	.1	.1	.1
1	4538	2.1	2.1	2.2
3	3684	1.7	1.7	3.9
4	6890	3.2	3.2	7.1
B	200134	92.9	92.9	100.0
Total	215422	100.0	100.0	

MATH Question 14

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	44	.0	.0	.0
	201	.1	.1	.1
1	61347	28.5	28.5	28.6
2	18559	8.6	8.6	37.2
4	15865	7.4	7.4	44.6
C	119406	55.4	55.4	100.0
Total	215422	100.0	100.0	

MATH Question 15

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	77	.0	.0	.0
	512	.2	.2	.3
2	32202	14.9	14.9	15.2
3	36638	17.0	17.0	32.2
4	45479	21.1	21.1	53.3
A	100514	46.7	46.7	100.0
Total	215422	100.0	100.0	

MATH Question 16

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	51	.0	.0	.0
	335	.2	.2	.2
1	34519	16.0	16.0	16.2
3	29476	13.7	13.7	29.9
4	21200	9.8	9.8	39.7
B	129841	60.3	60.3	100.0
Total	215422	100.0	100.0	

MATH Question 17

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	35	.0	.0	.0
	322	.1	.1	.2
1	36839	17.1	17.1	17.3
3	9032	4.2	4.2	21.5
4	16835	7.8	7.8	29.3
B	152359	70.7	70.7	100.0
Total	215422	100.0	100.0	

MATH Question 18

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	39	.0	.0	.0
	270	.1	.1	.1
1	9967	4.6	4.6	4.8
3	13271	6.2	6.2	10.9
4	7718	3.6	3.6	14.5
B	184157	85.5	85.5	100.0
Total	215422	100.0	100.0	

MATH Question 19

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	50	.0	.0	.0
	452	.2	.2	.2
1	43609	20.2	20.2	20.5
2	24112	11.2	11.2	31.7
3	39281	18.2	18.2	49.9
D	107918	50.1	50.1	100.0
Total	215422	100.0	100.0	

MATH Question 20

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	71	.0	.0	.0
	461	.2	.2	.2
1	27190	12.6	12.6	12.9
2	54507	25.3	25.3	38.2
3	28944	13.4	13.4	51.6
D	104249	48.4	48.4	100.0
Total	215422	100.0	100.0	

MATH Question 21

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	66	.0	.0	.0
	283	.1	.1	.2
1	23413	10.9	10.9	11.0
2	8124	3.8	3.8	14.8
4	21988	10.2	10.2	25.0
C	161548	75.0	75.0	100.0
Total	215422	100.0	100.0	

MATH Question 22

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	103	.0	.0	.0
	729	.3	.3	.4
1	79423	36.9	36.9	37.3
2	30507	14.2	14.2	51.4
4	14615	6.8	6.8	58.2
C	90045	41.8	41.8	100.0
Total	215422	100.0	100.0	

MATH Question 23

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	77	.0	.0	.0
	462	.2	.2	.3
2	44109	20.5	20.5	20.7
3	35234	16.4	16.4	37.1
4	21880	10.2	10.2	47.2
A	113660	52.8	52.8	100.0
Total	215422	100.0	100.0	

MATH Question 24

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	73	.0	.0	.0
	632	.3	.3	.3
2	65299	30.3	30.3	30.6
3	24074	11.2	11.2	41.8
4	15061	7.0	7.0	48.8
A	110283	51.2	51.2	100.0
Total	215422	100.0	100.0	

MATH Question 25

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	76	.0	.0	.0
	559	.3	.3	.3
1	51004	23.7	23.7	24.0
2	37321	17.3	17.3	41.3
3	36175	16.8	16.8	58.1
D	90287	41.9	41.9	100.0
Total	215422	100.0	100.0	

MATH Question 26

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	79	.0	.0	.0
	694	.3	.3	.4
1	76385	35.5	35.5	35.8
2	14680	6.8	6.8	42.6
3	16861	7.8	7.8	50.5
D	106723	49.5	49.5	100.0
Total	215422	100.0	100.0	

MATH Question 27

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	65	.0	.0	.0
	832	.4	.4	.4
1	12700	5.9	5.9	6.3
2	38472	17.9	17.9	24.2
4	13841	6.4	6.4	30.6
C	149512	69.4	69.4	100.0
Total	215422	100.0	100.0	

2007 Grade 8 Math Item Analysis- CR

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
MATH Question 28	213058	0	2	1.46	.842
MATH Question 29	212251	0	2	.89	.844
MATH Question 30	211265	0	3	1.41	1.353
MATH Question 31	213144	0	2	1.16	.892
MATH Question 32	211177	0	3	1.36	1.131
MATH Question 33	212136	0	2	1.33	.794
MATH Question 34	214750	0	2	1.41	.602
MATH Question 35	213915	0	3	2.04	1.107
MATH Question 36	212303	0	2	.97	.916
MATH Question 37	214021	0	3	2.23	1.087
MATH Question 38	213175	0	2	1.27	.811
MATH Question 39	211162	0	2	.90	.878
MATH Question 40	212525	0	2	1.15	.649
MATH Question 41	212237	0	3	1.70	1.227
MATH Question 42	212943	0	2	1.35	.843
MATH Question 43	210279	0	2	1.04	.878
MATH Question 44	213574	0	3	1.87	1.083
MATH Question 45	209584	0	2	.99	.916
Valid N (listwise)	194629				