

2008 Grade 7 Mathematics Item Analysis Multiple Choice

MATH Question 1

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	509	.2	.2	.2
*	79	.0	.0	.3
1	1866	.9	.9	1.2
2	3647	1.7	1.7	2.9
3	30929	14.8	14.8	17.7
D	172216	82.3	82.3	100.0
Total	209246	100.0	100.0	

MATH Question 2

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	617	.3	.3	.3
*	65	.0	.0	.3
1	21514	10.3	10.3	10.6
3	12946	6.2	6.2	16.8
4	8404	4.0	4.0	20.8
B	165700	79.2	79.2	100.0
Total	209246	100.0	100.0	

MATH Question 3

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	736	.4	.4	.4
*	83	.0	.0	.4
1	18241	8.7	8.7	9.1
3	9597	4.6	4.6	13.7
4	8032	3.8	3.8	17.5
B	172557	82.5	82.5	100.0
Total	209246	100.0	100.0	

MATH Question 4

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	604	.3	.3	.3
*	56	.0	.0	.3
1	4829	2.3	2.3	2.6
2	9767	4.7	4.7	7.3
4	10818	5.2	5.2	12.5
C	183172	87.5	87.5	100.0
Total	209246	100.0	100.0	

MATH Question 5

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1024	.5	.5	.5
*	62	.0	.0	.5
1	11579	5.5	5.5	6.1
3	10306	4.9	4.9	11.0
4	11124	5.3	5.3	16.3
B	175151	83.7	83.7	100.0
Total	209246	100.0	100.0	

MATH Question 6

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	772	.4	.4	.4
*	98	.0	.0	.4
1	34553	16.5	16.5	16.9
3	17981	8.6	8.6	25.5
4	64704	30.9	30.9	56.4
B	91138	43.6	43.6	100.0
Total	209246	100.0	100.0	

MATH Question 7

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	780	.4	.4	.4
*	88	.0	.0	.4
1	20775	9.9	9.9	10.3
2	30012	14.3	14.3	24.7
3	18770	9.0	9.0	33.7
D	138821	66.3	66.3	100.0
Total	209246	100.0	100.0	

MATH Question 8

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	577	.3	.3	.3
*	97	.0	.0	.3
1	11696	5.6	5.6	5.9
2	3637	1.7	1.7	7.6
3	17993	8.6	8.6	16.2
D	175246	83.8	83.8	100.0
Total	209246	100.0	100.0	

MATH Question 9

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	616	.3	.3	.3
*	63	.0	.0	.3
1	13176	6.3	6.3	6.6
2	23783	11.4	11.4	18.0
4	4192	2.0	2.0	20.0
C	167416	80.0	80.0	100.0
Total	209246	100.0	100.0	

MATH Question 10

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	580	.3	.3	.3
*	68	.0	.0	.3
1	13076	6.2	6.2	6.6
3	7874	3.8	3.8	10.3
4	17802	8.5	8.5	18.8
B	169846	81.2	81.2	100.0
Total	209246	100.0	100.0	

MATH Question 11

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	870	.4	.4	.4
*	105	.1	.1	.5
1	23647	11.3	11.3	11.8
2	15757	7.5	7.5	19.3
3	45922	21.9	21.9	41.2
D	122945	58.8	58.8	100.0
Total	209246	100.0	100.0	

MATH Question 12

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	840	.4	.4	.4
*	87	.0	.0	.4
1	33691	16.1	16.1	16.5
3	11725	5.6	5.6	22.1
4	21868	10.5	10.5	32.6
B	141035	67.4	67.4	100.0
Total	209246	100.0	100.0	

MATH Question 13

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	637	.3	.3	.3
*	70	.0	.0	.3
2	32566	15.6	15.6	15.9
3	8384	4.0	4.0	19.9
4	12251	5.9	5.9	25.8
A	155338	74.2	74.2	100.0
Total	209246	100.0	100.0	

MATH Question 14

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	781	.4	.4	.4
*	60	.0	.0	.4
1	16136	7.7	7.7	8.1
3	16156	7.7	7.7	15.8
4	21896	10.5	10.5	26.3
B	154217	73.7	73.7	100.0
Total	209246	100.0	100.0	

MATH Question 15

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	682	.3	.3	.3
*	71	.0	.0	.4
2	19308	9.2	9.2	9.6
3	11564	5.5	5.5	15.1
4	15432	7.4	7.4	22.5
A	162189	77.5	77.5	100.0
Total	209246	100.0	100.0	

MATH Question 16

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	767	.4	.4	.4
*	74	.0	.0	.4
1	20846	10.0	10.0	10.4
2	10528	5.0	5.0	15.4
4	6353	3.0	3.0	18.4
C	170678	81.6	81.6	100.0
Total	209246	100.0	100.0	

MATH Question 17

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	730	.3	.3	.3
*	88	.0	.0	.4
1	13653	6.5	6.5	6.9
3	14300	6.8	6.8	13.7
4	24222	11.6	11.6	25.3
B	156253	74.7	74.7	100.0
Total	209246	100.0	100.0	

MATH Question 18

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	660	.3	.3	.3
*	111	.1	.1	.4
1	7462	3.6	3.6	3.9
2	9903	4.7	4.7	8.7
3	12032	5.8	5.8	14.4
D	179078	85.6	85.6	100.0
Total	209246	100.0	100.0	

MATH Question 19

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	833	.4	.4	.4
*	83	.0	.0	.4
1	48766	23.3	23.3	23.7
3	12692	6.1	6.1	29.8
4	13378	6.4	6.4	36.2
B	133494	63.8	63.8	100.0
Total	209246	100.0	100.0	

MATH Question 20

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	924	.4	.4	.4
*	104	.0	.0	.5
1	41303	19.7	19.7	20.2
2	18499	8.8	8.8	29.1
4	32894	15.7	15.7	44.8
C	115522	55.2	55.2	100.0
Total	209246	100.0	100.0	

MATH Question 21

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	705	.3	.3	.3
*	101	.0	.0	.4
1	34397	16.4	16.4	16.8
3	43880	21.0	21.0	37.8
4	19308	9.2	9.2	47.0
B	110855	53.0	53.0	100.0
Total	209246	100.0	100.0	

MATH Question 22

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	684	.3	.3	.3
*	99	.0	.0	.4
1	3808	1.8	1.8	2.2
2	23041	11.0	11.0	13.2
3	6045	2.9	2.9	16.1
D	175569	83.9	83.9	100.0
Total	209246	100.0	100.0	

MATH Question 23

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	987	.5	.5	.5
*	104	.0	.0	.5
1	10777	5.2	5.2	5.7
2	22777	10.9	10.9	16.6
3	41493	19.8	19.8	36.4
D	133108	63.6	63.6	100.0
Total	209246	100.0	100.0	

MATH Question 24

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1012	.5	.5	.5
*	91	.0	.0	.5
1	56094	26.8	26.8	27.3
2	18641	8.9	8.9	36.2
4	27913	13.3	13.3	49.6
C	105495	50.4	50.4	100.0
Total	209246	100.0	100.0	

MATH Question 25

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1197	.6	.6	.6
*	117	.1	.1	.6
1	43960	21.0	21.0	21.6
3	18889	9.0	9.0	30.7
4	35932	17.2	17.2	47.8
B	109151	52.2	52.2	100.0
Total	209246	100.0	100.0	

MATH Question 26

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	953	.5	.5	.5
*	99	.0	.0	.5
1	57039	27.3	27.3	27.8
3	13958	6.7	6.7	34.4
4	8377	4.0	4.0	38.4
B	128820	61.6	61.6	100.0
Total	209246	100.0	100.0	

MATH Question 27

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	907	.4	.4	.4
*	127	.1	.1	.5
1	11818	5.6	5.6	6.1
2	3146	1.5	1.5	7.6
3	25071	12.0	12.0	19.6
D	168177	80.4	80.4	100.0
Total	209246	100.0	100.0	

MATH Question 28

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1021	.5	.5	.5
*	84	.0	.0	.5
2	13494	6.4	6.4	7.0
3	10592	5.1	5.1	12.0
4	22249	10.6	10.6	22.7
A	161806	77.3	77.3	100.0
Total	209246	100.0	100.0	

MATH Question 29

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1191	.6	.6	.6
*	71	.0	.0	.6
1	5284	2.5	2.5	3.1
2	6667	3.2	3.2	6.3
3	10657	5.1	5.1	11.4
D	185376	88.6	88.6	100.0
Total	209246	100.0	100.0	

MATH Question 30

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1210	.6	.6	.6
*	60	.0	.0	.6
2	6025	2.9	2.9	3.5
3	25453	12.2	12.2	15.7
4	3872	1.9	1.9	17.5
A	172626	82.5	82.5	100.0
Total	209246	100.0	100.0	

2008 Grade 7 Mathematics Item Analysis Constructed Response

[DataSet11]

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
MATH Question 31	208515	0	3	1.99	1.048
MATH Question 32	207592	0	2	1.36	.864
MATH Question 33	207022	0	2	1.22	.890
MATH Question 34	208338	0	3	1.70	1.014
MATH Question 35	207955	0	3	1.73	1.112
MATH Question 36	202832	0	2	1.31	.864
MATH Question 37	207498	0	2	1.33	.793
MATH Question 38	207220	0	3	2.19	1.069
Valid N (listwise)	199753				