

2008 Grade 6 Mathematics Item Analysis Multiple Choice

MATH Question 1

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	581	.3	.3	.3
*	27	.0	.0	.3
2	19709	9.7	9.7	10.0
3	4739	2.3	2.3	12.4
4	4634	2.3	2.3	14.7
A	172534	85.3	85.3	100.0
Total	202224	100.0	100.0	

MATH Question 2

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	549	.3	.3	.3
*	62	.0	.0	.3
1	42861	21.2	21.2	21.5
3	13033	6.4	6.4	27.9
4	9983	4.9	4.9	32.9
B	135736	67.1	67.1	100.0
Total	202224	100.0	100.0	

MATH Question 3

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	552	.3	.3	.3
*	75	.0	.0	.3
1	13053	6.5	6.5	6.8
2	6757	3.3	3.3	10.1
3	42928	21.2	21.2	31.3
D	138859	68.7	68.7	100.0
Total	202224	100.0	100.0	

MATH Question 4

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	624	.3	.3	.3
*	65	.0	.0	.3
1	6560	3.2	3.2	3.6
2	25622	12.7	12.7	16.3
4	19351	9.6	9.6	25.8
C	150002	74.2	74.2	100.0
Total	202224	100.0	100.0	

MATH Question 5

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	681	.3	.3	.3
*	54	.0	.0	.4
1	12253	6.1	6.1	6.4
2	8701	4.3	4.3	10.7
4	8385	4.1	4.1	14.9
C	172150	85.1	85.1	100.0
Total	202224	100.0	100.0	

MATH Question 6

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	535	.3	.3	.3
*	68	.0	.0	.3
1	17217	8.5	8.5	8.8
3	6959	3.4	3.4	12.3
4	20200	10.0	10.0	22.2
B	157245	77.8	77.8	100.0
Total	202224	100.0	100.0	

MATH Question 7

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	613	.3	.3	.3
*	68	.0	.0	.3
1	10250	5.1	5.1	5.4
2	7316	3.6	3.6	9.0
4	50466	25.0	25.0	34.0
C	133511	66.0	66.0	100.0
Total	202224	100.0	100.0	

MATH Question 8

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	553	.3	.3	.3
*	51	.0	.0	.3
1	13416	6.6	6.6	6.9
2	12563	6.2	6.2	13.1
4	10519	5.2	5.2	18.3
C	165122	81.7	81.7	100.0
Total	202224	100.0	100.0	

MATH Question 9

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	637	.3	.3	.3
*	59	.0	.0	.3
1	11980	5.9	5.9	6.3
2	19824	9.8	9.8	16.1
4	20106	9.9	9.9	26.0
C	149618	74.0	74.0	100.0
Total	202224	100.0	100.0	

MATH Question 10

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	600	.3	.3	.3
*	55	.0	.0	.3
1	2838	1.4	1.4	1.7
2	19582	9.7	9.7	11.4
3	7891	3.9	3.9	15.3
D	171258	84.7	84.7	100.0
Total	202224	100.0	100.0	

MATH Question 11

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	599	.3	.3	.3
*	73	.0	.0	.3
1	13870	6.9	6.9	7.2
2	12465	6.2	6.2	13.4
4	32345	16.0	16.0	29.3
C	142872	70.7	70.7	100.0
Total	202224	100.0	100.0	

MATH Question 12

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	558	.3	.3	.3
*	66	.0	.0	.3
1	20732	10.3	10.3	10.6
2	3422	1.7	1.7	12.3
3	4200	2.1	2.1	14.3
D	173246	85.7	85.7	100.0
Total	202224	100.0	100.0	

MATH Question 13

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	642	.3	.3	.3
*	78	.0	.0	.4
1	7190	3.6	3.6	3.9
2	10238	5.1	5.1	9.0
3	27278	13.5	13.5	22.5
D	156798	77.5	77.5	100.0
Total	202224	100.0	100.0	

MATH Question 14

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	710	.4	.4	.4
*	78	.0	.0	.4
1	26730	13.2	13.2	13.6
3	52491	26.0	26.0	39.6
4	9497	4.7	4.7	44.3
B	112718	55.7	55.7	100.0
Total	202224	100.0	100.0	

MATH Question 15

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	664	.3	.3	.3
*	73	.0	.0	.4
1	27808	13.8	13.8	14.1
2	14405	7.1	7.1	21.2
4	20065	9.9	9.9	31.2
C	139209	68.8	68.8	100.0
Total	202224	100.0	100.0	

MATH Question 16

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	855	.4	.4	.4
*	84	.0	.0	.5
1	11474	5.7	5.7	6.1
2	43358	21.4	21.4	27.6
3	47756	23.6	23.6	51.2
D	98697	48.8	48.8	100.0
Total	202224	100.0	100.0	

MATH Question 17

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	796	.4	.4	.4
*	54	.0	.0	.4
1	3535	1.7	1.7	2.2
2	17196	8.5	8.5	10.7
4	3945	2.0	2.0	12.6
C	176698	87.4	87.4	100.0
Total	202224	100.0	100.0	

MATH Question 18

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	609	.3	.3	.3
*	62	.0	.0	.3
1	1837	.9	.9	1.2
2	5504	2.7	2.7	4.0
4	3948	2.0	2.0	5.9
C	190264	94.1	94.1	100.0
Total	202224	100.0	100.0	

MATH Question 19

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	736	.4	.4	.4
*	58	.0	.0	.4
1	13294	6.6	6.6	7.0
2	35995	17.8	17.8	24.8
3	23866	11.8	11.8	36.6
D	128275	63.4	63.4	100.0
Total	202224	100.0	100.0	

MATH Question 20

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	799	.4	.4	.4
*	85	.0	.0	.4
2	7712	3.8	3.8	4.3
3	21265	10.5	10.5	14.8
4	11240	5.6	5.6	20.3
A	161123	79.7	79.7	100.0
Total	202224	100.0	100.0	

MATH Question 21

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	805	.4	.4	.4
*	146	.1	.1	.5
1	5427	2.7	2.7	3.2
2	22347	11.1	11.1	14.2
3	4955	2.5	2.5	16.7
D	168544	83.3	83.3	100.0
Total	202224	100.0	100.0	

MATH Question 22

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	832	.4	.4	.4
*	112	.1	.1	.5
1	17776	8.8	8.8	9.3
3	15583	7.7	7.7	17.0
4	15751	7.8	7.8	24.8
B	152170	75.2	75.2	100.0
Total	202224	100.0	100.0	

MATH Question 23

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	914	.5	.5	.5
*	52	.0	.0	.5
1	5929	2.9	2.9	3.4
2	54827	27.1	27.1	30.5
3	21129	10.4	10.4	41.0
D	119373	59.0	59.0	100.0
Total	202224	100.0	100.0	

MATH Question 24

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1040	.5	.5	.5
*	66	.0	.0	.5
1	20254	10.0	10.0	10.6
2	6427	3.2	3.2	13.7
3	16477	8.1	8.1	21.9
D	157960	78.1	78.1	100.0
Total	202224	100.0	100.0	

MATH Question 25

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1155	.6	.6	.6
*	54	.0	.0	.6
2	10986	5.4	5.4	6.0
3	13284	6.6	6.6	12.6
4	8505	4.2	4.2	16.8
A	168240	83.2	83.2	100.0
Total	202224	100.0	100.0	

2008 Grade 6 Mathematics Item Analysis Constructed Response

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
MATH Question 26	201536	0	2	1.68	.690
MATH Question 27	201320	0	3	2.35	.988
MATH Question 28	201442	0	3	1.77	.811
MATH Question 29	200370	0	2	.73	.852
MATH Question 30	201199	0	3	1.39	1.279
MATH Question 31	201209	0	2	1.46	.777
MATH Question 32	200702	0	2	.87	.849
MATH Question 33	201211	0	3	1.96	1.085
MATH Question 34	199888	0	2	1.36	.827
MATH Question 35	200073	0	2	1.51	.742
Valid N (listwise)	197348				