

2007 Grade 5 Math Item Analysis

Frequency Table

MATH Question 1

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	25	.0	.0	.0
	49	.0	.0	.0
1	2875	1.4	1.4	1.4
2	14511	7.1	7.1	8.6
3	3319	1.6	1.6	10.2
D	183175	89.8	89.8	100.0
Total	203954	100.0	100.0	

MATH Question 2

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	46	.0	.0	.0
	54	.0	.0	.0
2	3465	1.7	1.7	1.7
3	2362	1.2	1.2	2.9
4	1175	.6	.6	3.5
A	196852	96.5	96.5	100.0
Total	203954	100.0	100.0	

MATH Question 3

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	83	.0	.0	.0
	148	.1	.1	.1
1	8694	4.3	4.3	4.4
3	31905	15.6	15.6	20.0
4	12071	5.9	5.9	25.9
B	151053	74.1	74.1	100.0
Total	203954	100.0	100.0	

MATH Question 4

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	116	.1	.1	.1
	85	.0	.0	.1
1	1851	.9	.9	1.0
2	7867	3.9	3.9	4.9
3	3431	1.7	1.7	6.5
D	190604	93.5	93.5	100.0
Total	203954	100.0	100.0	

MATH Question 5

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	67	.0	.0	.0
	203	.1	.1	.1
1	10371	5.1	5.1	5.2
3	25146	12.3	12.3	17.5
4	14743	7.2	7.2	24.8
B	153424	75.2	75.2	100.0
Total	203954	100.0	100.0	

MATH Question 6

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	101	.0	.0	.0
	151	.1	.1	.1
2	7711	3.8	3.8	3.9
3	38119	18.7	18.7	22.6
4	32288	15.8	15.8	38.4
A	125584	61.6	61.6	100.0
Total	203954	100.0	100.0	

MATH Question 7

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	101	.0	.0	.0
	101	.0	.0	.1
1	4100	2.0	2.0	2.1
2	3689	1.8	1.8	3.9
3	12012	5.9	5.9	9.8
D	183951	90.2	90.2	100.0
Total	203954	100.0	100.0	

MATH Question 8

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	55	.0	.0	.0
	108	.1	.1	.1
1	2982	1.5	1.5	1.5
3	3728	1.8	1.8	3.4
4	6290	3.1	3.1	6.5
B	190791	93.5	93.5	100.0
Total	203954	100.0	100.0	

MATH Question 9

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	63	.0	.0	.0
	129	.1	.1	.1
1	16021	7.9	7.9	7.9
2	33322	16.3	16.3	24.3
3	19294	9.5	9.5	33.7
D	135125	66.3	66.3	100.0
Total	203954	100.0	100.0	

MATH Question 10

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	53	.0	.0	.0
	89	.0	.0	.1
1	2928	1.4	1.4	1.5
2	17006	8.3	8.3	9.8
4	14994	7.4	7.4	17.2
C	168884	82.8	82.8	100.0
Total	203954	100.0	100.0	

MATH Question 11

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	86	.0	.0	.0
	220	.1	.1	.2
1	37891	18.6	18.6	18.7
3	31659	15.5	15.5	34.3
4	44772	22.0	22.0	56.2
B	89326	43.8	43.8	100.0
Total	203954	100.0	100.0	

MATH Question 12

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	107	.1	.1	.1
	116	.1	.1	.1
1	22608	11.1	11.1	11.2
2	11396	5.6	5.6	16.8
3	29231	14.3	14.3	31.1
D	140496	68.9	68.9	100.0
Total	203954	100.0	100.0	

MATH Question 13

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	70	.0	.0	.0
	253	.1	.1	.2
2	13325	6.5	6.5	6.7
3	13534	6.6	6.6	13.3
4	13189	6.5	6.5	19.8
A	163583	80.2	80.2	100.0
Total	203954	100.0	100.0	

MATH Question 14

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	60	.0	.0	.0
	131	.1	.1	.1
1	2698	1.3	1.3	1.4
2	13548	6.6	6.6	8.1
4	23476	11.5	11.5	19.6
C	164041	80.4	80.4	100.0
Total	203954	100.0	100.0	

MATH Question 15

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	68	.0	.0	.0
	149	.1	.1	.1
1	45074	22.1	22.1	22.2
2	11040	5.4	5.4	27.6
3	11816	5.8	5.8	33.4
D	135807	66.6	66.6	100.0
Total	203954	100.0	100.0	

MATH Question 16

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	65	.0	.0	.0
	175	.1	.1	.1
1	7514	3.7	3.7	3.8
2	30118	14.8	14.8	18.6
3	11087	5.4	5.4	24.0
D	154995	76.0	76.0	100.0
Total	203954	100.0	100.0	

MATH Question 17

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	69	.0	.0	.0
	453	.2	.2	.3
1	18808	9.2	9.2	9.5
2	23430	11.5	11.5	21.0
4	59493	29.2	29.2	50.1
C	101701	49.9	49.9	100.0
Total	203954	100.0	100.0	

MATH Question 18

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	89	.0	.0	.0
	228	.1	.1	.2
1	27638	13.6	13.6	13.7
2	23097	11.3	11.3	25.0
4	33731	16.5	16.5	41.6
C	119171	58.4	58.4	100.0
Total	203954	100.0	100.0	

MATH Question 19

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	59	.0	.0	.0
	301	.1	.1	.2
1	28704	14.1	14.1	14.3
2	14714	7.2	7.2	21.5
3	18952	9.3	9.3	30.8
D	141224	69.2	69.2	100.0
Total	203954	100.0	100.0	

MATH Question 20

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	73	.0	.0	.0
	365	.2	.2	.2
2	27307	13.4	13.4	13.6
3	35647	17.5	17.5	31.1
4	10451	5.1	5.1	36.2
A	130111	63.8	63.8	100.0
Total	203954	100.0	100.0	

MATH Question 21

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	99	.0	.0	.0
	460	.2	.2	.3
1	20361	10.0	10.0	10.3
2	34145	16.7	16.7	27.0
4	8224	4.0	4.0	31.0
C	140665	69.0	69.0	100.0
Total	203954	100.0	100.0	

MATH Question 22

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	118	.1	.1	.1
	478	.2	.2	.3
1	26295	12.9	12.9	13.2
2	11303	5.5	5.5	18.7
4	29763	14.6	14.6	33.3
C	135997	66.7	66.7	100.0
Total	203954	100.0	100.0	

MATH Question 23

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	104	.1	.1	.1
	678	.3	.3	.4
2	33946	16.6	16.6	17.0
3	34534	16.9	16.9	34.0
4	16188	7.9	7.9	41.9
A	118504	58.1	58.1	100.0
Total	203954	100.0	100.0	

MATH Question 24

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	104	.1	.1	.1
	725	.4	.4	.4
2	30755	15.1	15.1	15.5
3	17933	8.8	8.8	24.3
4	24683	12.1	12.1	36.4
A	129754	63.6	63.6	100.0
Total	203954	100.0	100.0	

MATH Question 25

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	82	.0	.0	.0
	674	.3	.3	.4
1	94509	46.3	46.3	46.7
2	17906	8.8	8.8	55.5
4	20758	10.2	10.2	65.7
C	70025	34.3	34.3	100.0
Total	203954	100.0	100.0	

MATH Question 26

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid -	42	.0	.0	.0
	797	.4	.4	.4
2	12049	5.9	5.9	6.3
3	58307	28.6	28.6	34.9
4	9101	4.5	4.5	39.4
A	123658	60.6	60.6	100.0
Total	203954	100.0	100.0	

2007 Grade 5 Math Item Analysis- CR

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
MATH Question 27	203849	0	2	1.77	.502
MATH Question 28	203810	0	3	2.13	.957
MATH Question 29	203650	0	2	1.46	.767
MATH Question 30	203496	0	2	1.20	.910
MATH Question 31	203652	0	2	1.45	.785
MATH Question 32	203681	0	3	1.80	1.121
MATH Question 33	203430	0	3	2.02	.984
MATH Question 34	203517	0	3	2.03	1.098
Valid N (listwise)	202610				