

2. CURRENT PERFORMANCE RESULTS OF THE 2009 MSA-MATH

This section provides information about academic achievement results of Maryland students in grades 3 through 8. Table 2.1 contains information about the cutoff score of each performance level, and Table 2.2 contains information about the pass rate of each grade. It should be noted that the same cutoff scores have been applied since 2003 (for grades 3, 5, and 8) and 2004 (for grades 4, 6, and 7).

We also analyzed the performance rate of each grade based on key student subgroups such as gender, ethnicity, and LEA. Tables 2.3 through 2.10 contain information about the pass rate of each subgroup.

Table 2.1 MSA-Math Cut Scores: Grades 3 through 8

Grade	Cut Score of Performance Level	
	Proficient	Advanced
3	379	441
4	374	433
5	392	453
6	396	447
7	396	451
8	407	444

Note. Performance level cuts have been applied since 2003 (grades 3, 5, and 8) and 2004 (grades 4, 6, and 7).

Table 2.2 The 2009 MSA- Mathematics Pass Rates: Grades 3 through 8

Grade	N	Percentage of Performance Level			
		Basic	Proficient	Advanced	Proficient + Advanced
3	59,963	15.80	55.40	28.80	84.20
4	59,008	10.92	44.26	44.83	89.09
5	60,447	18.86	56.01	25.13	81.14
6	59,029	22.96	47.52	29.52	77.04
7	59,914	26.96	49.53	23.51	73.04
8	61,042	32.76	37.78	29.46	67.24

Note. Percentages may not add up to 100% due to rounding.

Note. Analysis was conducted with a statewide population.

Table 2.3 The 2009 MSA- Mathematics Pass Rates by Gender: Grades 3 through 8

Grade	Gender	N	Basic	Proficient	Advanced	Proficient + Advanced
3	Male	30,735	16.78	55.23	27.99	83.22
	Female	29,228	14.77	55.58	29.66	85.24
4	Male	30,316	11.78	43.38	44.84	88.22
	Female	28,688	10.00	45.19	44.82	90.01
5	Male	30,842	19.97	54.53	25.49	80.02
	Female	29,603	17.69	57.55	24.75	82.30
6	Male	30,165	24.49	45.72	29.79	75.51
	Female	28,859	21.36	49.40	29.24	78.64
7	Male	30,286	29.25	47.60	23.15	70.75
	Female	29,627	24.62	51.52	23.87	75.39
8	Male	31,073	34.56	36.56	28.88	65.44
	Female	29,967	30.88	39.05	30.06	69.11

Table 2.4 The 2009 MSA- Mathematics Pass Rates by Ethnicity: Grades 3 through 8

Grade	Ethnic	N	Basic	Proficient	Advanced	Proficient + Advanced
3	American Indian	248	14.92	54.84	30.24	85.08
	Asian/Pacific Islander	3,858	6.69	43.44	49.87	93.31
	African American	22,389	24.91	58.97	16.12	75.09
	White	27,486	8.32	52.63	39.06	91.69
	Hispanic	5,982	22.00	62.49	15.51	78.00
4	American Indian	228	9.21	51.75	39.04	90.79
	Asian/Pacific Islander	3,572	3.42	28.22	68.37	96.59
	African American	22,441	17.79	53.11	29.10	82.21
	White	27,177	5.22	37.16	57.62	94.78
	Hispanic	5,587	15.86	53.18	30.96	84.14
5	American Indian	225	18.67	57.33	24.00	81.33
	Asian/Pacific Islander	3,685	5.86	42.09	52.05	94.14
	African American	22,932	29.31	58.42	12.27	70.69
	White	28,070	10.59	55.09	34.32	89.41
	Hispanic	5,532	26.10	59.94	13.96	73.90
6	American Indian	221	22.62	50.23	27.15	77.38
	Asian/Pacific Islander	3,638	7.45	36.89	55.66	92.55
	African American	22,069	35.69	49.72	14.59	64.31
	White	27,609	13.16	46.34	40.50	86.84
	Hispanic	5,487	31.35	51.52	17.13	68.65
7	American Indian	186	27.42	56.45	16.13	72.58
	Asian/Pacific Islander	3,597	8.90	39.70	51.40	91.10
	African American	22,124	44.18	47.80	8.02	55.82
	White	28,563	13.74	52.05	34.21	86.26
	Hispanic	5,443	38.25	49.68	12.07	61.75
8	American Indian	233	35.62	39.91	24.46	64.37
	Asian/Pacific Islander	3,536	9.95	27.97	62.08	90.05
	African American	22,764	51.98	35.99	12.03	48.02
	White	29,304	18.70	39.84	41.46	81.30
	Hispanic	5,205	43.19	40.61	16.20	56.81

Table 2.5 The 2009 MSA- Mathematics Pass Rates by LEA: Grades 3

LEA	N	Basic	Proficient	Advanced	Proficient + Advanced
01	644	13.20	57.14	29.66	86.80
02	5,422	10.37	51.24	38.40	89.64
03	7,411	14.29	57.52	28.19	85.71
04	1,153	6.85	51.26	41.89	93.15
05	407	14.25	56.76	28.99	85.75
06	1,944	8.64	55.20	36.16	91.36
07	1,132	21.20	62.10	16.70	78.80
08	1,783	19.01	58.55	22.43	80.98
09	328	35.06	55.49	9.45	64.94
10	2,853	10.90	59.24	29.86	89.10
11	319	19.75	64.58	15.67	80.25
12	2,850	12.84	56.88	30.28	87.16
13	3,479	10.26	50.93	38.80	89.73
14	163	13.50	59.51	26.99	86.50
15	10,011	13.55	52.79	33.66	86.45
16	8,635	25.84	58.07	16.10	74.17
17	545	10.46	54.31	35.23	89.54
18	1,147	13.25	51.35	35.40	86.75
19	210	19.05	62.86	18.10	80.96
20	293	15.70	60.07	24.23	84.30
21	1,644	12.10	52.80	35.10	87.90
22	1,168	16.87	57.02	26.11	83.13
23	431	4.87	41.07	54.06	95.13
24	90	87.78	12.22	0.00	12.22
30	5,901	21.56	57.36	21.08	78.44

Table 2.6 The 2009 MSA- Mathematics Pass Rates by LEA: Grades 4

LEA	N	Basic	Proficient	Advanced	Proficient + Advanced
01	628	7.96	40.13	51.91	92.04
02	5,307	6.44	36.97	56.59	93.56
03	7,459	9.84	46.64	43.52	90.16
04	1,201	4.58	28.73	66.69	95.42
05	351	9.12	46.15	44.73	90.88
06	1,880	5.48	41.33	53.19	94.52
07	1,157	14.95	52.46	32.58	85.04
08	1,699	10.89	46.62	42.50	89.12
09	293	15.02	52.56	32.42	84.98
10	2,796	8.98	47.46	43.56	91.02
11	313	12.46	53.67	33.87	87.54
12	2,750	7.53	41.24	51.24	92.48
13	3,437	7.77	36.60	55.63	92.23
14	146	12.33	41.10	46.58	87.68
15	9,754	9.39	40.91	49.70	90.61
16	8,490	18.72	51.96	29.33	81.29
17	540	6.11	40.19	53.70	93.89
18	1,169	7.96	36.61	55.43	92.04
19	195	17.95	56.41	25.64	82.05
20	280	7.14	43.21	49.64	92.85
21	1,578	6.08	45.18	48.73	93.91
22	1,136	6.60	44.45	48.94	93.39
23	459	7.19	31.59	61.22	92.81
24	152	77.63	21.71	0.66	22.37
30	5,838	16.02	50.77	33.21	83.98

Table 2.7 The 2009 MSA- Mathematics Pass Rates by LEA: Grades 5

LEA	N	Basic	Proficient	Advanced	Proficient + Advanced
01	673	17.83	60.33	21.84	82.17
02	5,429	12.58	56.05	31.37	87.42
03	7,421	19.08	54.83	26.09	80.92
04	1,245	9.40	51.41	39.20	90.61
05	359	13.93	66.30	19.78	86.08
06	2,023	11.22	60.01	28.77	88.78
07	1,210	23.14	63.31	13.55	76.86
08	1,892	24.37	56.66	18.97	75.63
09	278	21.94	62.23	15.83	78.06
10	2,905	13.87	61.82	24.30	86.12
11	311	16.72	68.17	15.11	83.28
12	2,890	13.43	59.65	26.92	86.57
13	3,745	12.31	50.92	36.77	87.69
14	143	22.38	58.04	19.58	77.62
15	9,932	14.78	50.44	34.78	85.22
16	8,742	31.32	56.42	12.26	68.68
17	534	12.17	60.86	26.97	87.83
18	1,162	14.80	56.54	28.66	85.20
19	164	19.51	62.80	17.68	80.48
20	289	23.53	55.71	20.76	76.47
21	1,607	13.44	62.60	23.96	86.56
22	1,131	20.78	55.79	23.43	79.22
23	459	16.99	58.61	24.40	83.01
24	185	87.03	12.97	0.00	12.97
30	5,718	24.75	59.39	15.86	75.25

Table 2.8 The 2009 MSA- Mathematics Pass Rates by LEA: Grades 6

LEA	N	Basic	Proficient	Advanced	Proficient + Advanced
01	660	20.45	53.79	25.76	79.55
02	5,232	17.20	44.21	38.59	82.80
03	7,083	26.26	51.07	22.67	73.74
04	1,280	16.17	44.53	39.30	83.83
05	411	26.03	48.91	25.06	73.97
06	1,981	9.74	49.32	40.94	90.26
07	1,164	29.30	51.46	19.24	70.70
08	1,979	25.47	45.43	29.11	74.54
09	358	34.92	46.09	18.99	65.08
10	2,907	13.69	50.19	36.12	86.31
11	293	22.18	51.19	26.62	77.81
12	2,847	21.71	48.26	30.03	78.29
13	3,673	10.73	43.70	45.58	89.28
14	163	19.63	48.47	31.90	80.37
15	9,770	19.22	44.76	36.02	80.78
16	8,561	31.28	51.33	17.39	68.72
17	563	14.74	52.04	33.21	85.25
18	1,199	13.59	42.12	44.29	86.41
19	186	22.04	60.22	17.74	77.96
20	304	25.66	45.72	28.62	74.34
21	1,637	12.28	48.38	39.34	87.72
22	989	29.32	50.56	20.12	70.68
23	460	9.13	46.74	44.13	90.87
24	147	89.12	10.20	0.68	10.88
30	5,112	40.24	45.38	14.38	59.76
32	70	48.57	38.57	12.86	51.43

Table 2.9 The 2009 MSA- Mathematics Pass Rates by LEA: Grades 7

LEA	N	Basic	Proficient	Advanced	Proficient + Advanced
01	613	28.55	53.51	17.94	71.45
02	5,277	16.81	49.59	33.60	83.19
03	7,250	25.50	54.25	20.25	74.50
04	1,285	15.02	57.74	27.24	84.98
05	347	18.16	49.57	32.28	81.85
06	2,102	14.61	53.62	31.78	85.40
07	1,167	27.76	55.78	16.45	72.23
08	1,976	26.57	53.44	19.99	73.43
09	313	31.31	55.91	12.78	68.69
10	2,946	18.30	54.92	26.78	81.70
11	320	12.81	60.31	26.88	87.19
12	2,911	20.44	56.92	22.64	79.56
13	3,805	11.51	49.51	38.98	88.49
14	132	31.06	55.30	13.64	68.94
15	10,090	20.40	46.11	33.50	79.61
16	8,688	45.30	46.08	8.62	54.70
17	616	19.16	61.20	19.64	80.84
18	1,198	18.53	48.16	33.31	81.47
19	203	33.99	56.16	9.85	66.01
20	319	31.66	52.98	15.36	68.34
21	1,619	15.50	53.37	31.13	84.50
22	924	29.11	50.76	20.13	70.89
23	461	10.41	51.63	37.96	89.59
24	199	85.93	11.06	3.02	14.08
30	5,153	55.02	38.17	6.81	44.98

Table 2.10 The 2009 MSA- Mathematics Pass Rates by LEA: Grades 8

LEA	N	Basic	Proficient	Advanced	Proficient + Advanced
01	649	29.74	47.61	22.65	70.26
02	5,485	23.99	38.74	37.27	76.01
03	7,472	32.33	41.15	26.51	67.66
04	1,376	17.08	48.04	34.88	82.92
05	386	23.32	46.11	30.57	76.68
06	2,121	21.17	43.52	35.31	78.83
07	1,191	32.49	46.60	20.91	67.51
08	2,074	29.75	41.90	28.35	70.25
09	298	36.58	44.30	19.13	63.43
10	3,079	24.07	41.12	34.82	75.94
11	350	28.00	41.71	30.29	72.00
12	2,993	31.01	39.99	29.00	68.99
13	4,034	14.38	35.99	49.63	85.62
14	154	47.40	33.12	19.48	52.60
15	10,060	23.80	36.25	39.95	76.20
16	8,748	54.94	32.88	12.19	45.07
17	564	23.23	45.74	31.03	76.77
18	1,161	19.38	42.46	38.16	80.62
19	221	53.39	33.48	13.12	46.60
20	312	28.21	42.31	29.49	71.80
21	1,542	19.52	41.05	39.43	80.48
22	898	39.09	33.74	27.17	60.91
23	461	9.76	34.27	55.97	90.24
24	301	92.03	5.65	2.33	7.98
30	5,112	59.23	30.01	10.76	40.77