

2. CURRENT PERFORMANCE RESULTS OF THE 2010 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 2010 MSA-Math Pass Rates: Grade 3 through Grade 8

Grade	N	Percentage of Performance Level			
		Basic	Proficient	Advanced	Proficient + Advanced
3	58,787	13.38	52.26	34.36	86.62
4	59,575	8.87	43.90	47.23	91.13
5	58,466	15.94	58.44	25.62	84.06
6	59,312	19.07	50.83	30.10	80.93
7	59,179	26.53	49.66	23.80	73.47
8	60,079	33.30	36.53	30.17	66.70

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

Note. Analysis was conducted with a statewide population.

Table 2.3 The 2010 MSA-Math Pass Rates by Gender: Grade 3 through Grade 8

Grade		N	Basic	Proficient	Advanced	Proficient + Advanced
3	Male	29,785	14.05	52.42	33.53	85.95
	Female	29,001	12.69	52.11	35.21	87.31
4	Male	30,311	9.44	43.91	46.64	90.56
	Female	29,264	8.27	43.88	47.85	91.73
5	Male	29,854	16.80	57.12	26.08	83.20
	Female	28,611	15.03	59.83	25.14	84.97
6	Male	30,086	20.93	49.11	29.96	79.07
	Female	29,226	17.16	52.59	30.25	82.84
7	Male	30,142	27.98	48.26	23.75	72.02
	Female	29,037	25.03	51.12	23.86	74.97
8	Male	30,349	35.08	35.81	29.11	64.92
	Female	29,730	31.49	37.27	31.24	68.51

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

Note. Analysis was conducted with a statewide population.

Table 2.4 The 2010 MSA-Math Pass Rates by Ethnicity: Grade 3 through Grade 8

Grade		N	Basic	Proficient	Advanced	Proficient + Advanced
3	American Indian	259	10.81	57.92	31.27	89.19
	Asian/Pacific Islander	3,861	4.66	36.60	58.74	95.34
	African American	21,781	22.06	58.01	19.93	77.94
	White	26,752	6.56	48.00	45.44	93.44
	Hispanic	6,133	17.87	60.10	22.03	82.13
4	American Indian	262	8.40	46.56	45.04	91.60
	Asian/Pacific Islander	3,960	3.26	26.79	69.95	96.74
	African American	22,038	14.71	53.93	31.37	85.29
	White	27,427	4.18	35.96	59.85	95.82
	Hispanic	5,888	12.64	54.70	32.66	87.36
5	American Indian	222	13.06	67.57	19.37	86.94
	Asian/Pacific Islander	3,655	5.01	42.87	52.12	94.99
	African American	21,950	25.43	62.63	11.95	74.57
	White	27,120	8.34	56.22	35.45	91.66
	Hispanic	5,518	22.87	62.70	14.43	77.13
6	American Indian	233	22.32	47.64	30.04	77.68
	Asian/Pacific Islander	3,707	5.88	36.58	57.54	94.12
	African American	22,312	30.00	55.09	14.91	70.00
	White	27,576	10.48	48.11	41.41	89.52
	Hispanic	5,484	26.57	56.93	16.50	73.43
7	American Indian	221	22.62	53.85	23.53	77.38
	Asian/Pacific Islander	3,730	8.10	41.47	50.43	91.90
	African American	21,983	42.87	48.16	8.96	57.13
	White	27,743	14.04	51.54	34.42	85.96
	Hispanic	5,502	36.90	51.58	11.52	63.10
8	American Indian	197	30.46	47.72	21.83	69.54
	Asian/Pacific Islander	3,715	11.14	27.73	61.13	88.86
	African American	22,034	52.95	34.95	12.10	47.05
	White	28,596	19.01	38.29	42.69	80.99
	Hispanic	5,537	43.85	39.26	16.89	56.15

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

Note. Analysis was conducted with a statewide population.

Table 2.5 The 2010 MSA-Math Pass Rates by LEA: Grade 3

LEA	N	Basic	Proficient	Advanced	Proficient + Advanced
01	634	9.62	48.90	41.48	90.38
02	5,400	8.24	47.09	44.67	91.76
03	7,219	11.62	53.07	35.31	88.38
04	1,180	7.97	48.56	43.47	92.03
05	406	8.87	55.67	35.47	91.13
06	1,945	7.15	49.56	43.29	92.85
07	1,097	16.68	59.89	23.43	83.32
08	1,696	16.63	52.89	30.48	83.37
09	334	30.24	52.40	17.37	69.76
10	2,788	8.18	56.31	35.51	91.82
11	280	14.64	65.36	20.00	85.36
12	2,633	12.84	57.01	30.16	87.16
13	3,485	8.26	46.17	45.57	91.74
14	138	16.67	55.80	27.54	83.33
15	9,825	11.35	47.22	41.44	88.65
16	8,362	21.91	57.85	20.25	78.09
17	512	6.25	52.73	41.02	93.75
18	1,189	9.17	45.08	45.75	90.83
19	206	13.59	64.08	22.33	86.41
20	293	16.72	52.56	30.72	83.28
21	1,593	12.43	51.16	36.41	87.57
22	1,142	15.06	57.36	27.58	84.94
23	492	4.27	36.18	59.55	95.73
24	77	75.32	23.38	1.30	24.68
30	5,861	19.67	57.57	22.76	80.33

Table 2.6 The 2010 MSA-Math Pass Rates by LEA: Grade 4

LEA	N	Basic	Proficient	Advanced	Proficient + Advanced
01	658	6.08	43.16	50.76	93.92
02	5,462	5.36	34.69	59.94	94.64
03	7,311	6.62	43.91	49.47	93.38
04	1,173	4.01	32.40	63.60	95.99
05	416	7.21	39.42	53.37	92.79
06	1,974	4.81	38.75	56.43	95.19
07	1,126	10.04	52.75	37.21	89.96
08	1,829	10.50	45.98	43.52	89.50
09	316	14.56	48.42	37.03	85.44
10	2,815	5.47	47.64	46.89	94.53
11	316	10.13	46.20	43.67	89.87
12	2,861	6.92	45.47	47.61	93.08
13	3,585	4.74	33.78	61.48	95.26
14	164	6.71	52.44	40.85	93.29
15	9,994	8.10	41.08	50.81	91.90
16	8,411	15.36	52.72	31.92	84.64
17	536	3.54	39.18	57.28	96.46
18	1,171	8.20	35.27	56.53	91.80
19	199	11.06	56.78	32.16	88.94
20	305	8.85	45.57	45.57	91.15
21	1,638	5.86	44.51	49.63	94.14
22	1,144	8.04	45.19	46.77	91.96
23	425	4.71	33.41	61.88	95.29
24	100	78.00	22.00	0.00	22.00
30	5,646	14.63	52.36	33.01	85.37

Table 2.7 The 2010 MSA-Math Pass Rates by LEA: Grade 5

LEA	N	Basic	Proficient	Advanced	Proficient + Advanced
01	616	13.47	62.34	24.19	86.53
02	5,392	10.39	56.05	33.57	89.61
03	7,370	14.29	60.23	25.48	85.71
04	1,211	9.58	56.07	34.35	90.42
05	357	12.61	63.03	24.37	87.39
06	1,895	7.12	63.17	29.71	92.88
07	1,134	19.66	62.70	17.64	80.34
08	1,707	16.99	62.86	20.15	83.01
09	296	21.28	61.15	17.57	78.72
10	2,730	11.68	64.47	23.85	88.32
11	312	15.71	66.03	18.27	84.29
12	2,718	10.04	61.59	28.37	89.96
13	3,456	8.59	49.36	42.04	91.41
14	150	26.67	57.33	16.00	73.33
15	9,724	13.29	51.91	34.80	86.71
16	8,230	27.23	61.13	11.64	72.77
17	534	5.81	56.18	38.01	94.19
18	1,206	12.60	53.98	33.42	87.40
19	207	19.81	69.57	10.63	80.19
20	289	9.00	62.63	28.37	91.00
21	1,608	13.00	61.57	25.44	87.00
22	1,137	19.17	60.95	19.88	80.83
23	452	13.50	58.41	28.10	86.50
24	148	75.68	24.32	0.00	24.32
30	5,587	24.84	62.45	12.71	75.16

Table 2.8 The 2010 MSA-Math Pass Rates by LEA: Grade 6

LEA	N	Basic	Proficient	Advanced	Proficient + Advanced
01	656	19.21	55.95	24.85	80.79
02	5,420	16.25	46.88	36.86	83.75
03	7,119	21.80	53.77	24.43	78.20
04	1,256	10.91	48.73	40.37	89.09
05	352	15.63	58.81	25.57	84.38
06	2,075	9.06	48.67	42.27	90.94
07	1,211	21.64	55.16	23.20	78.36
08	1,951	19.12	54.23	26.65	80.88
09	284	22.18	52.82	25.00	77.82
10	2,915	10.77	54.00	35.23	89.23
11	314	14.33	61.46	24.20	85.67
12	2,845	17.12	52.48	30.40	82.88
13	3,789	9.50	45.63	44.87	90.50
14	144	16.67	54.17	29.17	83.33
15	9,833	16.80	46.24	36.96	83.20
16	8,352	24.93	55.70	19.37	75.07
17	519	11.95	56.26	31.79	88.05
18	1,200	11.33	44.08	44.58	88.67
19	177	9.60	61.02	29.38	90.40
20	298	29.53	48.32	22.15	70.47
21	1,621	13.02	50.03	36.95	86.98
22	970	24.12	50.62	25.26	75.88
23	459	12.42	49.02	38.56	87.58
24	142	80.99	18.31	0.70	19.01
30	5,325	33.03	52.04	14.93	66.97
32	85	36.47	50.59	12.94	63.53

Table 2.9 The 2010 MSA-Math Pass Rates by LEA: Grade 7

LEA	N	Basic	Proficient	Advanced	Proficient + Advanced
01	661	26.78	56.13	17.10	73.22
02	5,344	21.61	47.77	30.61	78.39
03	7,062	27.63	52.62	19.75	72.37
04	1,298	15.64	57.70	26.66	84.36
05	404	14.36	53.96	31.68	85.64
06	2,018	14.92	52.48	32.61	85.08
07	1,156	27.08	54.15	18.77	72.92
08	2,081	27.68	50.50	21.82	72.32
09	366	27.05	53.01	19.95	72.95
10	2,906	16.86	55.16	27.98	83.14
11	288	9.38	65.97	24.65	90.63
12	2,872	19.85	53.52	26.64	80.15
13	3,735	11.81	48.25	39.95	88.19
14	167	24.55	56.89	18.56	75.45
15	9,885	19.74	47.45	32.82	80.26
16	8,460	45.17	46.38	8.45	54.83
17	569	12.83	57.47	29.70	87.17
18	1,245	18.55	53.41	28.03	81.45
19	184	21.20	64.13	14.67	78.80
20	295	24.07	54.58	21.36	75.93
21	1,675	16.00	51.70	32.30	84.00
22	980	31.12	51.53	17.35	68.88
23	472	7.42	49.36	43.22	92.58
24	177	82.49	17.51	0.00	17.51
30	4,811	48.22	43.28	8.50	51.78
32	68	58.82	35.29	5.88	41.18

Table 2.10 The 2010 MSA-Math Pass Rates by LEA: Grade 8

LEA	N	Basic	Proficient	Advanced	Proficient + Advanced
01	624	39.42	41.03	19.55	60.58
02	5,321	26.14	37.40	36.46	73.86
03	7,205	31.58	40.06	28.37	68.42
04	1,304	18.40	46.47	35.12	81.60
05	355	18.59	47.61	33.80	81.41
06	2,139	23.80	37.63	38.57	76.20
07	1,168	31.76	43.15	25.09	68.24
08	2,045	30.66	36.87	32.47	69.34
09	333	43.24	39.94	16.82	56.76
10	2,967	23.73	41.12	35.15	76.27
11	333	19.22	45.95	34.83	80.78
12	2,929	29.22	39.84	30.93	70.78
13	3,851	14.52	34.74	50.74	85.48
14	143	34.27	36.36	29.37	65.73
15	10,225	23.48	35.07	41.45	76.52
16	8,665	57.25	31.68	11.07	42.75
17	608	22.70	44.90	32.40	77.30
18	1,223	20.44	42.44	37.12	79.56
19	197	56.35	32.99	10.66	43.65
20	319	30.72	37.62	31.66	69.28
21	1,644	23.66	39.66	36.68	76.34
22	902	38.91	34.92	26.16	61.09
23	451	10.86	37.25	51.88	89.14
24	259	88.80	9.65	1.54	11.20
30	4,869	60.12	29.74	10.15	39.88