

APPENDIX A: THE 2007 MSA-MATH STRATIFIED RANDOM SAMPLING

Table A.1 2007 MSA-Math Population and Stratified Random Sampling (S.R.S.): Grade 3 LEA

LEA	Operational Form A				Operational Form F			
	2007 Pop.	2007	% of 2007	% of Differ.	2007	% of 2007	% of Differ.	
	%	S. R. S.	S. R. S.		S. R. S.	S. R. S.		
1	1.09	33	1.10	-0.01	1.09	33	1.10	-0.01
2	8.92	267	8.90	0.02	8.92	267	8.90	0.02
3	12.19	366	12.20	-0.01	12.19	366	12.20	-0.01
4	2.01	60	2.00	0.01	2.01	60	2.00	0.01
5	0.59	18	0.60	-0.01	0.59	18	0.60	-0.01
6	3.37	101	3.37	0.00	3.37	101	3.37	0.00
7	2.00	60	2.00	0.00	2.00	60	2	0.00
8	2.96	89	2.97	-0.01	2.96	89	2.97	-0.01
9	0.45	14	0.47	-0.02	0.45	14	0.47	-0.02
10	4.87	146	4.87	0.00	4.87	146	4.87	0.00
11	0.53	16	0.53	0.00	0.53	16	0.53	0.00
12	4.79	144	4.80	-0.01	4.79	144	4.80	-0.01
13	5.84	175	5.83	0.01	5.84	175	5.83	0.01
14	0.23	7	0.23	0.00	0.23	7	0.23	0.00
15	16.10	483	16.10	0.00	16.10	483	16.10	0.00
16	14.84	445	14.83	0.01	14.84	445	14.83	0.01
17	0.86	26	0.87	-0.01	0.86	26	0.87	-0.01
18	1.85	55	1.83	0.02	1.85	55	1.83	0.02
19	0.30	9	0.30	0.00	0.30	9	0.30	0.00
20	0.46	14	0.47	-0.01	0.46	14	0.47	-0.01
21	2.68	80	2.67	0.01	2.68	80	2.67	0.01
22	1.81	54	1.80	0.01	1.81	54	1.80	0.01
23	0.71	21	0.70	0.01	0.71	21	0.70	0.01
24	0.18	5	0.17	0.01	0.18	5	0.17	0.01
30	9.86	296	9.87	-0.01	9.86	296	9.87	-0.01
31	0.53	16	0.53	0.00	0.53	16	0.53	0.00
Total	100.00	3000	100.00	0.00	100.00	3000	100.00	0.00

Note. 1. Allegany; 2. Anne Arundel; 3. Baltimore; 4. Calvert; 5. Caroline; 6. Carroll; 7. Cecil; 8. Charles; 9. Dorchester; 10. Frederick; 11. Garrett; 12. Harford; 13. Howard; 14. Kent; 15. Montgomery; 16. Prince George's; 17. Queen Anne's; 18. St. Mary's; 19. Somerset; 20. Talbot; 21. Washington; 22. Wicomico; 23. Worcester; 24. LEA 24; 30. Baltimore City; 31. Edison Partnership

Table A.2 2007 MSA-Math Population and Stratified Random Sampling (S.R.S.): Grade 3 Ethnicity

Race	Operational Form A				Operational Form F			
	2007 Pop.	2007	% of 2007	% of Differ.	2007 Pop.	2007	% of 2007	
	%	S. R. S.	S. R. S.		%	S. R. S.	S. R. S.	
1	0.41	13	0.43	-0.02	0.41	16	0.53	-0.12
2	5.59	179	5.97	-0.38	5.59	176	5.87	-0.28
3	37.69	1121	37.37	0.32	37.69	1088	36.27	1.42
4	47.46	1413	47.10	0.36	47.46	1435	47.83	-0.37
5	8.68	267	8.90	-0.22	8.68	279	9.30	-0.62
Miss	0.17	7	0.23	-0.06	0.17	6	0.20	-0.03
Total	100.00	3000	100.00	0.00	100.00	3000	100.00	0.00

Note. 1. American Indian; 2. Asian American; 3. African American; 4. White; 5. Hispanic; Miss: Missing

Table A.3 2007 MSA- Mathematics Population and Stratified Random Sampling (S.R.S.): Grade 3 Gender

Gender	Operational Form A				Operational Form F			
	2007 Pop.	2007	% of 2007	% of Differ.	2007 Pop.	2007	% of 2007	
	%	S. R. S.	S. R. S.		%	S. R. S.	S. R. S.	
F	48.89	1412	47.07	1.82	48.89	1462	48.73	0.16
M	51.00	1584	52.80	-1.80	51.00	1533	51.10	-0.10
Miss	0.11	4	0.13	-0.02	0.11	5	0.17	-0.06
Total	100.00	3000	100.00	0.00	100.00	3000	100.00	0.00

Note. F. Female; M. Male; Miss: Missing

Table A.4 2007 MSA- Mathematics Population and Stratified Random Sampling (S.R.S.): Grade 4 LEA

LEA	Operational Form A				Operational Form F			
	2007 Pop.	2007	% of 2007	% of Differ.	2007 Pop.	2007	% of 2007	
	%	S. R. S.	S. R. S.		%	S. R. S.	S. R. S.	
1	1.14	0	0.00	1.14	1.14	34	1.13	0.01
2	8.69	261	8.80	-0.11	8.69	261	8.70	-0.01
3	12.25	367	12.38	-0.13	12.25	367	12.24	0.01
4	2.00	60	2.02	-0.02	2.00	60	2.00	0.00
5	0.71	21	0.00	0.71	0.71	21	0.70	0.01
6	3.25	97	3.27	-0.02	3.25	97	3.23	0.02
7	1.89	57	1.92	-0.03	1.89	57	1.90	-0.01
8	3.18	95	3.20	-0.02	3.18	95	3.17	0.01
9	0.57	17	0.57	0.00	0.57	17	0.57	0.00
10	4.87	146	4.92	-0.05	4.87	146	4.87	0.00
11	0.50	3	0.51	-0.01	0.50	15	0.50	0.00
12	4.83	145	4.89	-0.06	4.83	145	4.83	0.00
13	5.98	179	6.07	-0.09	5.98	179	5.97	0.01
14	0.29	9	0.30	-0.01	0.29	9	0.30	-0.01
15	16.16	485	16.36	-0.20	16.16	485	16.17	-0.01
16	14.94	448	15.11	-0.17	14.94	448	14.94	0.00
17	0.87	26	0.88	-0.01	0.87	26	0.87	0.00
18	1.96	59	1.99	-0.03	1.96	59	1.97	-0.01
19	0.30	9	0.30	0.00	0.30	9	0.30	0.00
20	0.47	14	0.00	0.47	0.47	14	0.47	0.00
21	2.69	81	2.73	-0.04	2.69	81	2.70	-0.01
22	1.87	56	1.89	-0.02	1.87	56	1.87	0.00
23	0.77	23	0.78	-0.01	0.77	23	0.77	0.00
24	0.18	6	0.20	-0.02	0.18	6	0.20	-0.02
30	9.17	275	9.27	-0.10	9.17	275	9.17	0.00
31	0.46	14	0.47	-0.01	0.46	14	0.47	-0.01
Total	100.00	2953	100.00	0.00	100.00	2999	100.00	0.00

Note. 1. Allegany; 2. Anne Arundel; 3. Baltimore; 4. Calvert; 5. Caroline; 6. Carroll; 7. Cecil; 8. Charles; 9. Dorchester; 10. Frederick; 11. Garrett; 12. Harford; 13. Howard; 14. Kent; 15. Montgomery; 16. Prince George's; 17. Queen Anne's; 18. St. Mary's; 19. Somerset; 20. Talbot; 21. Washington; 22. Wicomico; 23. Worcester; 24. LEA 24; 30. Baltimore City; 31. Edison Partnership

Table A.5 2007 MSA- Mathematics Population and Stratified Random Sampling (S.R.S.): Grade 4 Ethnicity

Race	Operational Form A				Operational Form F			
	2007 Pop.	2007	% of 2007	% of Differ.	2007 Pop.	2007	% of 2007	% of Differ.
	%	S. R. S.	S. R. S.		%	S. R. S.	S. R. S.	
1	0.39	16	0.54	-0.15	0.39	9	0.30	0.09
2	5.70	160	5.42	0.28	5.70	159	5.30	0.40
3	37.51	1129	38.23	-0.72	37.51	1161	38.71	-1.21
4	47.52	1386	46.94	0.59	47.52	1419	47.32	0.21
5	8.73	256	8.67	0.06	8.73	247	8.24	0.49
Miss	0.15	6	0.20	-0.06	0.15	4	0.13	0.01
Total	100.00	2953	100.00	0.00	100.00	2999	100.00	0.00

Note. 1. American Indian; 2. Asian American; 3. African American; 4. White; 5. Hispanic; Miss: Missing

Table A.6 2007 MSA- Mathematics Population and Stratified Random Sampling (S.R.S.): Grade 4 Gender

Gender	Operational Form A				Operational Form F			
	2007 Pop.	2007	% of 2007	% of Differ.	2007 Pop.	2007	% of 2007	% of Differ.
	%	S. R. S.	S. R. S.		%	S. R. S.	S. R. S.	
F	48.65	1439	48.73	-0.08	48.65	1497	49.92	-1.27
M	51.26	1510	51.13	0.13	51.26	1500	50.02	1.24
Miss	0.09	4	0.14	-0.04	0.09	2	0.07	0.02
Total	100.00	2953	100.00	0.00	100.00	2999	100.00	0.00

Note. F. Female; M. Male; Miss: Missing

Table A.7 2007 MSA-Math Population and Stratified Random Sampling (S.R.S.): Grade 5 LEA

LEA	Operational Form A				Operational Form F			
	2007 Pop.	2007	% of 2007	% of Differ.	2007 Pop.	2007	% of 2007	
	%	S. R. S.	S. R. S.		%	S. R. S.	S. R. S.	
1	1.06	32	1.07	-0.01	1.06	118	4.19	-3.13
2	8.71	261	8.71	0.00	8.71	511	18.13	-9.42
3	12.28	368	12.27	0.01	12.28	493	17.49	-5.21
4	2.07	62	2.07	0.00	2.07	18	0.64	1.43
5	0.57	17	0.57	0.00	0.57	45	1.60	-1.03
6	3.36	101	3.37	-0.01	3.36	6	0.21	3.15
7	1.92	58	1.93	-0.01	1.92	7	0.25	1.67
8	3.03	91	3.04	-0.01	3.03	91	3.23	-0.20
9	0.51	15	0.50	0.01	0.51	28	0.99	-0.48
10	4.88	146	4.87	0.01	4.88	138	4.90	-0.02
11	0.54	16	0.53	0.01	0.54	7	0.25	0.29
12	4.80	144	4.80	0.00	4.80	26	0.92	3.88
13	5.95	178	5.94	0.01	5.95	216	7.67	-1.72
14	0.23	7	0.23	0.00	0.23	4	0.14	0.09
15	16.36	491	16.38	-0.02	16.36	162	5.75	10.61
16	15.32	459	15.31	0.01	15.32	429	15.22	0.10
17	0.98	29	0.97	0.01	0.98	93	3.30	-2.32
18	1.91	57	1.90	0.01	1.91	90	3.19	-1.28
19	0.35	11	0.37	-0.02	0.35	1	0.04	0.31
20	0.51	15	0.50	0.01	0.51	73	2.59	-2.08
21	2.56	77	2.57	-0.01	2.56	34	1.21	1.35
22	1.72	52	1.73	-0.01	1.72	20	0.71	1.01
23	0.71	21	0.70	0.01	0.71	0	0	0.71
24	0.27	8	0.27	0.00	0.27	28	0.99	-0.72
30	8.95	268	8.94	0.01	8.95	180	6.39	2.56
31	0.45	14	0.47	-0.02	0.45	0	0.00	0.45
Total	100.00	2998	100.00	0.00	100.00	2818	100.00	0.00

Note. 1. Allegany; 2. Anne Arundel; 3. Baltimore; 4. Calvert; 5. Caroline; 6. Carroll; 7. Cecil; 8. Charles; 9. Dorchester; 10. Frederick; 11. Garrett; 12. Harford; 13. Howard; 14. Kent; 15. Montgomery; 16. Prince George's; 17. Queen Anne's; 18. St. Mary's; 19. Somerset; 20. Talbot; 21. Washington; 22. Wicomico; 23. Worcester; 24. LEA 24; 30. Baltimore City; 31. Edison Partnership

Table A.8 2007 MSA- Mathematics Population and Stratified Random Sampling (S.R.S.): Grade 5 Ethnicity

Race	Operational Form A				Operational Form F			
	2007 Pop.	2007	% of 2007	% of Differ.	2007 Pop.	2007	% of 2007	% of Differ.
	%	S. R. S.	S. R. S.		%	S. R. S.	S. R. S.	
1	0.35	4	0.13	0.22	0.35	14	0.50	-0.15
2	5.42	160	5.34	0.08	5.42	121	4.29	1.12
3	37.29	1164	38.83	-1.54	37.29	1032	36.62	0.67
4	48.25	1388	46.30	1.95	48.25	1430	50.75	-2.49
5	8.56	279	9.31	-0.75	8.56	217	7.70	0.86
Miss	0.13	3	0.10	0.03	0.13	4	0.14	-0.01
Total	100.00	2998	100.00	0.00	100.00	2818	100.00	0.00

Note. 1. American Indian; 2. Asian American; 3. African American; 4. White; 5. Hispanic; Miss: Missing

Table A.9 2007 MSA- Mathematics Population and Stratified Random Sampling (S.R.S.): Grade 5 Gender

Gender	Operational Form A				Operational Form F			
	2007 Pop.	2007	% of 2007	% of Differ.	2007 Pop.	2007	% of 2007	% of Differ.
	%	S. R. S.	S. R. S.		%	S. R. S.	S. R. S.	
F	49.04	1423	47.46	1.57	49.04	1344	47.69	1.34
M	50.86	1572	52.43	-1.57	50.86	1471	52.20	-1.34
Miss	0.10	3	0.10	0.00	0.10	3	0.11	-0.01
Total	100.00	2998	100.00	0.00	100.00	2818	100.00	0.00

Note. F. Female; M. Male; Miss: Missing

Table A.10 2007 MSA- Mathematics Population and Stratified Random Sampling (S.R.S.): Grade 6 LEA

LEA	Operational Form A				Operational Form F			
	2007 Pop.	2007	% of 2007	% of Differ.	2007 Pop.	2007	% of 2007	% of Differ.
	%	S. R. S.	S. R. S.		%	S. R. S.	S. R. S.	
1	1.04	31	1.04	0.00	1.04	31	1.04	0.00
2	8.76	263	8.78	-0.02	8.76	263	8.80	-0.04
3	12.25	367	12.26	-0.01	12.25	367	12.29	-0.04
4	2.14	64	2.14	0.00	2.14	64	2.14	0.00
5	0.63	19	0.63	0.00	0.63	19	0.64	-0.01
6	3.37	101	3.37	0.00	3.37	101	3.38	-0.01
7	2.00	60	2.00	0.00	2.00	60	2.01	-0.01
8	3.12	94	3.14	-0.02	3.12	94	3.15	-0.03
9	0.49	10	0.33	0.16	0.49	3	0.10	0.39
10	4.93	148	4.94	-0.01	4.93	148	4.95	-0.02
11	0.58	17	0.57	0.01	0.58	17	0.57	0.01
12	4.72	142	4.74	-0.02	4.72	142	4.75	-0.03
13	6.32	189	6.31	0.01	6.32	189	6.33	-0.01
14	0.24	7	0.23	0.01	0.24	7	0.23	0.01
15	16.14	484	16.17	-0.03	16.14	484	16.20	-0.06
16	15.13	454	15.16	-0.03	15.13	454	15.20	-0.07
17	0.87	26	0.87	0.00	0.87	26	0.87	0.00
18	1.91	57	1.90	0.01	1.91	57	1.91	0.00
19	0.33	10	0.33	0.00	0.33	10	0.33	0.00
20	0.51	15	0.50	0.01	0.51	15	0.50	0.01
21	2.42	73	2.44	-0.02	2.42	73	2.44	-0.02
22	1.48	44	1.47	0.01	1.48	44	1.47	0.01
23	0.72	22	0.73	-0.01	0.72	22	0.74	-0.02
24	0.33	10	0.33	0.00	0.33	10	0.33	0.00
30	9.14	274	9.15	-0.01	9.14	274	9.17	-0.03
31	0.43	13	0.43	0.00	0.43	13	0.44	-0.01
Total	100.00	2994	100.00	0.00	100.00	2987	100.00	0.00

Note. 1. Allegany; 2. Anne Arundel; 3. Baltimore; 4. Calvert; 5. Caroline; 6. Carroll; 7. Cecil; 8. Charles; 9. Dorchester; 10. Frederick; 11. Garrett; 12. Harford; 13. Howard; 14. Kent; 15. Montgomery; 16. Prince George's; 17. Queen Anne's; 18. St. Mary's; 19. Somerset; 20. Talbot; 21. Washington; 22. Wicomico; 23. Worcester; 24. LEA 24; 30. Baltimore City; 31. Edison Partnership

Table A.11 2007 MSA- Mathematics Population and Stratified Random Sampling (S.R.S.): Grade 6 Ethnicity

Race	Operational Form A				Operational Form F			
	2007 Pop.	2007	% of 2007	% of Differ.	2007 Pop.	2007	% of 2007	% of Differ.
	%	S. R. S.	S. R. S.		%	S. R. S.	S. R. S.	
1	0.41	3	0.10	0.31	0.41	15	0.50	-0.09
2	5.29	174	5.81	-0.52	5.29	183	6.13	-0.83
3	38.41	1177	39.31	-0.90	38.41	1147	38.40	0.01
4	47.66	1390	46.43	1.23	47.66	1425	47.71	-0.05
5	8.02	248	8.28	-0.26	8.02	214	7.16	0.86
Miss	0.20	2	0.07	0.14	0.20	3	0.10	0.10
Total	100.00	2994	100.00	0.00	100.00	2987	100.00	0.00

Note. 1. American Indian; 2. Asian American; 3. African American; 4. White; 5. Hispanic; Miss: Missing

Table A.12 2007 MSA- Mathematics Population and Stratified Random Sampling (S.R.S.): Grade 6 Gender

Gender	Operational Form A				Operational Form F			
	2007 Pop.	2007	% of 2007	% of Differ.	2007 Pop.	2007	% of 2007	% of Differ.
	%	S. R. S.	S. R. S.		%	S. R. S.	S. R. S.	
F	48.65	1455	48.60	0.06	48.65	1468	49.15	-0.49
M	51.20	1537	51.34	-0.13	51.20	1517	50.79	0.42
Miss	0.14	2	0.07	0.08	0.14	2	0.07	0.08
Total	100.00	2994	100.00	0.00	100.00	2987	100.00	0.00

Note. F. Female; M. Male; Miss: Missing

Table A.13 2007 MSA-Math Population and Stratified Random Sampling (S.R.S.): Grade 7 LEA

LEA	Operational Form A				Operational Form F			
	2007 Pop.	2007	% of 2007	% of Differ.	2007 Pop.	2007	% of 2007	% of Differ.
	%	S. R. S.	S. R. S.		%	S. R. S.	S. R. S.	
1	1.02	30	1.00	0.02	1.02	30	1.00	0.02
2	8.49	255	8.50	-0.01	8.49	255	8.50	-0.01
3	12.09	363	12.10	-0.01	12.09	363	12.10	-0.01
4	2.08	62	2.07	0.01	2.08	62	2.07	0.01
5	0.63	19	0.63	0.00	0.63	19	0.63	0.00
6	3.43	103	3.43	0.00	3.43	103	3.43	0.00
7	2.00	60	2.00	0.00	2.00	60	2.00	0.00
8	3.27	98	3.27	0.00	3.27	98	3.27	0.00
9	0.56	17	0.57	-0.01	0.56	17	0.57	-0.01
10	4.67	140	4.67	0.00	4.67	140	4.67	0.00
11	0.56	17	0.57	-0.01	0.56	17	0.57	-0.01
12	4.65	139	4.63	0.02	4.65	139	4.63	0.02
13	5.92	177	5.90	0.02	5.92	177	5.90	0.02
14	0.26	8	0.27	-0.01	0.26	8	0.27	-0.01
15	15.77	473	15.77	0.00	15.77	473	15.77	0.00
16	15.70	471	15.71	-0.01	15.70	471	15.71	-0.01
17	0.93	28	0.93	0.00	0.93	28	0.93	0.00
18	2.01	60	2.00	0.01	2.01	60	2.00	0.01
19	0.35	11	0.37	-0.02	0.35	11	0.37	-0.02
20	0.51	15	0.50	0.01	0.51	15	0.50	0.01
21	2.50	75	2.50	0.00	2.50	75	2.50	0.00
22	1.57	47	1.57	0.00	1.57	47	1.57	0.00
23	0.79	24	0.80	-0.01	0.79	24	0.80	-0.01
24	0.44	13	0.43	0.01	0.44	13	0.43	0.01
30	9.81	294	9.80	0.01	9.81	294	9.80	0.01
Total	100.00	2999	100.00	0.00	100.00	2999	100.00	0.00

Note. 1. Allegany; 2. Anne Arundel; 3. Baltimore; 4. Calvert; 5. Caroline; 6. Carroll; 7. Cecil; 8. Charles; 9. Dorchester; 10. Frederick; 11. Garrett; 12. Harford; 13. Howard; 14. Kent; 15. Montgomery; 16. Prince George's; 17. Queen Anne's; 18. St. Mary's; 19. Somerset; 20. Talbot; 21. Washington; 22. Wicomico; 23. Worcester; 24. LEA 24; 30. Baltimore City

Table A.14 2007 MSA- Mathematics Population and Stratified Random Sampling (S.R.S.): Grade 7 Ethnicity

Race	Operational Form A				Operational Form F			
	2007 Pop.	2007	% of 2007	% of Differ.	2007 Pop.	2007	% of 2007	% of Differ.
	%	S. R. S.	S. R. S.		%	S. R. S.	S. R. S.	
1	0.38	7	0.23	0.15	0.38	15	0.50	-0.12
2	5.19	168	5.60	-0.41	5.19	159	5.30	-0.11
3	39.21	1191	39.71	-0.51	39.21	1158	38.61	0.59
4	47.26	1386	46.22	1.05	47.26	1453	48.45	-1.19
5	7.70	240	8.00	-0.30	7.70	207	6.90	0.80
Miss	0.26	7	0.23	0.02	0.26	7	0.23	0.02
Total	100.00	2999	100.00	0.00	100.00	2999	100.00	0.00

Note. 1. American Indian; 2. Asian American; 3. African American; 4. White; 5. Hispanic; Miss: Missing

Table A.15 2007 MSA- Mathematics Population and Stratified Random Sampling (S.R.S.): Grade 7 Gender

Gender	Operational Form A				Operational Form F			
	2007 Pop.	2007	% of 2007	% of Differ.	2007 Pop.	2007	% of 2007	% of Differ.
	%	S. R. S.	S. R. S.		%	S. R. S.	S. R. S.	
F	48.44	1435	47.85	0.59	48.44	1466	48.88	-0.44
M	51.38	1561	52.05	-0.67	51.38	1530	51.02	0.36
Miss	0.18	3	0.10	0.08	0.18	3	0.10	0.08
Total	100.00	2999	100.00	0.00	100.00	2999	100.00	0.00

Note. F. Female; M. Male; Miss: Missing

Table A.16 2007 MSA- Mathematics Population and Stratified Random Sampling (S.R.S.): Grade 8 LEA

LEA	Operational Form A				Operational Form F			
	2007 Pop. %	2007 S. R. S.	% of 2007 S. R. S.	% of Differ.	2007 Pop. %	2007 S. R. S.	% of 2007 S. R. S.	% of Differ.
1	1.12	34	1.13	-0.01	1.12	34	1.13	-0.01
2	8.39	251	8.37	0.02	8.39	251	8.37	0.02
3	12.16	365	12.17	-0.01	12.16	365	12.17	-0.01
4	2.11	63	2.10	0.01	2.11	63	2.10	0.01
5	0.62	19	0.63	-0.01	0.62	19	0.63	-0.01
6	3.51	105	3.50	0.01	3.51	105	3.50	0.01
7	2.04	61	2.03	0.01	2.04	61	2.03	0.01
8	3.23	97	3.23	0.00	3.23	97	3.23	0.00
9	0.52	16	0.53	-0.01	0.52	16	0.53	-0.01
10	4.70	141	4.70	0.00	4.70	141	4.70	0.00
11	0.63	19	0.63	0.00	0.63	19	0.63	0.00
12	4.56	137	4.57	-0.01	4.56	137	4.57	-0.01
13	6.00	180	6.00	0.00	6.00	180	6.00	0.00
14	0.26	8	0.27	-0.01	0.26	8	0.27	-0.01
15	15.75	472	15.74	0.01	15.75	472	15.74	0.01
16	15.62	468	15.61	0.01	15.62	468	15.61	0.01
17	0.91	27	0.90	0.01	0.91	27	0.90	0.01
18	1.84	55	1.83	0.01	1.84	55	1.83	0.01
19	0.40	12	0.40	0.00	0.40	12	0.40	0.00
20	0.53	16	0.53	0.00	0.53	16	0.53	0.00
21	2.42	73	2.43	-0.01	2.42	73	2.43	-0.01
22	1.66	50	1.67	-0.01	1.66	50	1.67	-0.01
23	0.75	22	0.73	0.02	0.75	22	0.73	0.02
24	0.66	20	0.67	-0.01	0.66	20	0.67	-0.01
30	9.59	288	9.60	-0.01	9.59	288	9.60	-0.01
Total	100.00	2999	100.00	0.00	100.00	2999	100.00	0.00

Note. 1. Allegany; 2. Anne Arundel; 3. Baltimore; 4. Calvert; 5. Caroline; 6. Carroll; 7. Cecil; 8. Charles; 9. Dorchester; 10. Frederick; 11. Garrett; 12. Harford; 13. Howard; 14. Kent; 15. Montgomery; 16. Prince George's; 17. Queen Anne's; 18. St. Mary's; 19. Somerset; 20. Talbot; 21. Washington; 22. Wicomico; 23. Worcester; 24. LEA 24; 30. Baltimore City

Table A.17 2007 MSA- Mathematics Population and Stratified Random Sampling (S.R.S.): Grade 8 Ethnicity

Race	Operational Form A				Operational Form F			
	2007 Pop.	2007	% of 2007	% of Differ.	2007 Pop.	2007	% of 2007	% of Differ.
	%	S. R. S.	S. R. S.		%	S. R. S.	S. R. S.	
1	0.38	11	0.37	0.02	0.38	13	0.43	-0.05
2	5.06	149	4.97	0.09	5.06	136	4.53	0.52
3	39.24	1221	40.71	-1.47	39.24	1219	40.65	-1.40
4	47.83	1388	46.28	1.55	47.83	1407	46.92	0.92
5	7.26	223	7.44	-0.18	7.26	216	7.20	0.05
Miss	0.23	7	0.23	-0.01	0.23	8	0.27	-0.04
Total	100.00	2999	100.00	0.00	100.00	2999	100.00	0.00

Note. 1. American Indian; 2. Asian American; 3. African American; 4. White; 5. Hispanic; Miss: Missing

Table A.18 2007 MSA- Mathematics Population and Stratified Random Sampling (S.R.S.): Grade 8 Gender

Gender	Operational Form A				Operational Form F			
	2007 Pop.	2007	% of 2007	% of Differ.	2007 Pop.	2007	% of 2007	% of Differ.
	%	S. R. S.	S. R. S.		%	S. R. S.	S. R. S.	
F	48.94	1475	49.18	-0.25	48.94	1501	50.05	-1.11
M	50.88	1519	50.65	0.23	50.88	1493	49.78	1.10
Miss	0.18	5	0.17	0.02	0.18	5	0.17	0.02
Total	100.00	2999	100.00	0.00	100.00	2999	100.00	0.00

Note. F. Female; M. Male; Miss: Missing