July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education

MEA
Maine Educational Assessment

School Report
Grade 7

Test Date:	March 2009
Code:	11521395
SAU:	Somerville School Department
School:	Somerville Elementary School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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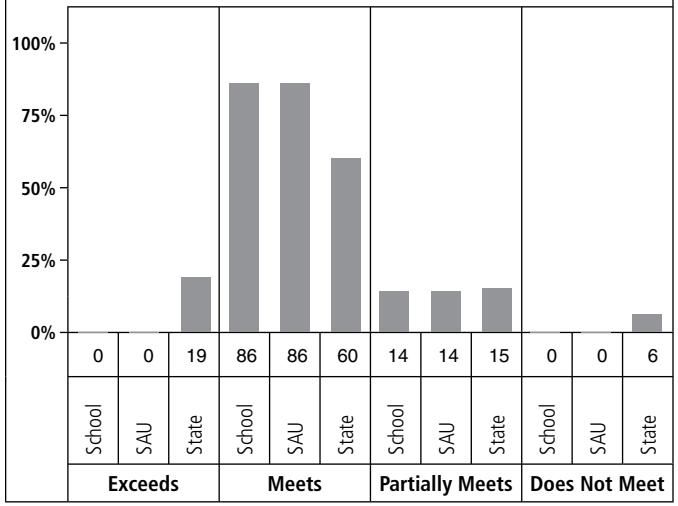
SUMMARY OF SCORES

Test Date: March 2009
Grade: 7
SAU: Somerville School Department
School: Somerville Elementary School

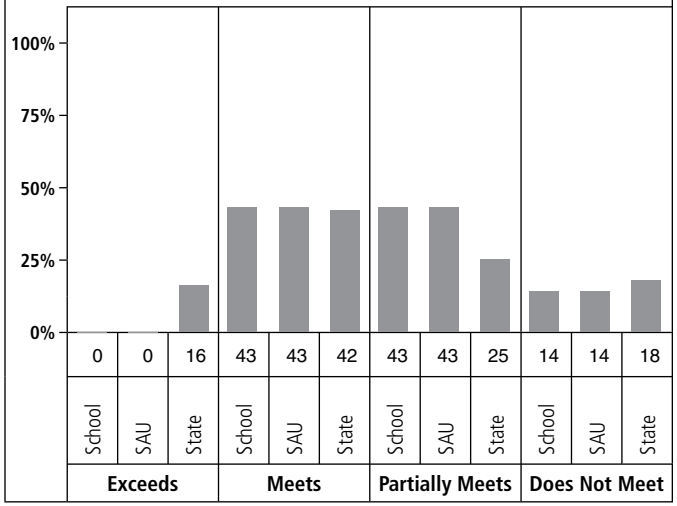
Summary of School, SAU, and State Scores

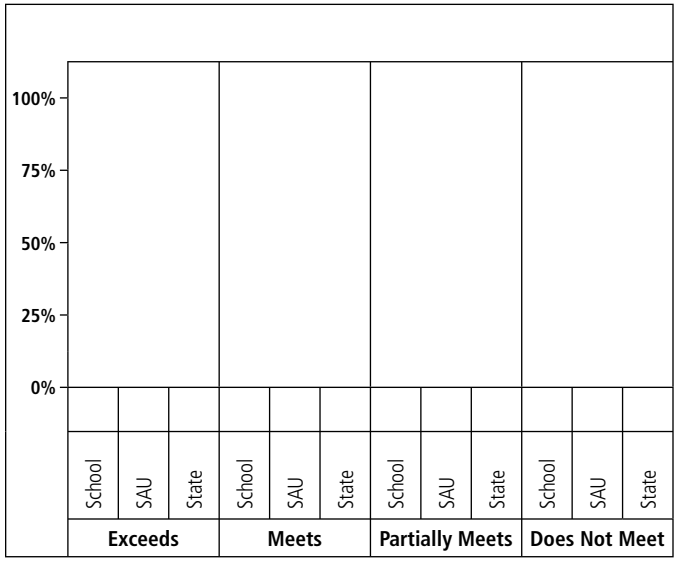
Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007			748
2007–2008	744	744	750
2008–2009	**746**	**746**	**751**
Cum. Avg.*			750
Mathematics			
2006–2007			742
2007–2008	728	728	743
2008–2009	**740**	**740**	**745**
Cum. Avg.*			743

ELA – READING



MATHEMATICS





*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 7
SAU: Somerville School Department
School: Somerville Elementary School

CATEGORY OF PARTICIPATION	Enrollment[1] during testing window						CONTENT AREA PARTICIPATION[2]																	
							ELA–Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	7	100	7	100	14446	100	7	100	7	100	14316	99	7	100	7	100	14322	99						
Ethnicity African American/Black	0	0	0	0	432	3	0	0	0	0	416	97	0	0	0	0	421	98						
American Indian or Native Alaskan	0	0	0	0	124	1	0	0	0	0	121	98	0	0	0	0	122	99						
Asian or Pacific Islander	0	0	0	0	260	2	0	0	0	0	255	98	0	0	0	0	259	100						
Hispanic	0	0	0	0	147	1	0	0	0	0	144	99	0	0	0	0	144	99						
Caucasian/White	7	100	7	100	13483	93	7	100	7	100	13380	99	7	100	7	100	13376	99						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	2	29	2	29	2428	17	2	100	2	100	2391	99	2	100	2	100	2391	99						
Current LEP	0	0	0	0	334	2	0	0	0	0	318	95	0	0	0	0	328	98						
Economically disadvantaged	5	71	5	71	5498	38	5	100	5	100	5431	99	5	100	5	100	5436	99						
Migrant	0	0	0	0	8	0	0	0	0	0	8	100	0	0	0	0	8	100						

MODE OF PARTICIPATION[3]	ELA–Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	4	57	4	57	11742	81	4	57	4	57	11754	81						
Identified disability (PET/IEP)	1	25	1	25	367	3	1	25	1	25	365	3						
LEP	0	0	0	0	168	1	0	0	0	0	169	1						
504 plan	0	0	0	0	183	2	0	0	0	0	187	2						
Participation with accommodations	3	43	3	43	2367	16	3	43	3	43	2366	16						
Identified disability (PET/IEP)	1	33	1	33	1819	77	1	33	1	33	1824	77						
LEP	0	0	0	0	143	6	0	0	0	0	154	7						
504 plan	0	0	0	0	84	4	0	0	0	0	80	3						
Other	2	67	2	67	358	15	2	67	2	67	346	15						
Participation through alternate assessment (PAAP)	0	0	0	0	205	1	0	0	0	0	202	1						
Identified disability (PET/IEP)	0	0	0	0	205	100	0	0	0	0	202	100						
LEP	0	0	0	0	5	2	0	0	0	0	5	2						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	2	0												
Approved non-participation – special consideration	0	0	0	0	33	0	0	0	0	0	32	0						
Non-participation – other	0	0	0	0	97	1	0	0	0	0	92	1						

[1]Percents are the percentage of students enrolled in each participation category.
[2]Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.
[3]Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date:	March 2009
Grade:	7
SAU:	Somerville School Department
School:	Somerville Elementary School

ACHIEVEMENT LEVEL DEFINITIONS

The quality of a student's work at each achievement level reflects progress in attaining Maine's *Learning Results: Parameters for Essential Instruction* in English language arts – reading.

		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student's work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 762–780)	2006-2007					2630	18
	2007-2008	2	40	2	40	2604	18
	2008-2009	**0**	**0**	**0**	**0**	**2618**	**19**
	Cum. Total*					7852	18
Meets the Standards – The student's work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 742–760)	2006-2007					7605	51
	2007-2008	0	0	0	0	8049	55
	2008-2009	**6**	**86**	**6**	**86**	**8484**	**60**
	Cum. Total*					24138	56
Partially Meets the Standards – The student's work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student's ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 730–740)	2006-2007					3000	20
	2007-2008	2	40	2	40	2672	18
	2008-2009	**1**	**14**	**1**	**14**	**2108**	**15**
	Cum. Total*					7780	18
Does Not Meet the Standards – The student's work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student's responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 700–728)	2006-2007					1620	11
	2007-2008	1	20	1	20	1190	8
	2008-2009	**0**	**0**	**0**	**0**	**899**	**6**
	Cum. Total*					3709	9

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	**56**	**100**	31.0	55.4	31.0	55.4	34.4	61.4
A1/A2 Interconnected Elements/Literary Text	**20**	**36**	10.9	54.5	10.9	54.5	11.8	59.0
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	**36**	**64**	20.1	55.8	20.1	55.8	22.6	62.8

The MEA assesses students' reading skills based on questions related to three types of reading passages: literary, informational, and persuasive. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine's 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: http://www.maine.gov/education/lres/pei/index.html.

*Percentages are calculated by dividing the cumulative total of the number of students in the achievement level by the cumulative total of the number of students tested.

ELA-READING RESULTS
(CONTINUED)

Test Date: March 2009
Grade: 7
SAU: Somerville School Department
School: Somerville Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	7	0	0	6	86	1	14	0	0	746	7	0	86	14	0	746	14109	19	60	15	6	751
Ethnicity																						
African American/Black	0										0						409	11	49	22	18	744
American Indian or Native Alaskan	0										0						117	12	53	19	16	746
Asian or Pacific Islander	0										0						253	24	59	11	6	753
Hispanic	0										0						142	14	56	17	13	747
Caucasian/White	7	0	0	6	86	1	14	0	0	746	7	0	86	14	0	746	13188	19	61	15	6	751
Not Reported	0										0						0					
Identified disability																						
Yes	2										2						2186	2	36	35	27	737
No	5	0	0	5	100	0	0	0	0	747	5	0	100	0	0	747	11923	22	65	11	3	754
Current LEP																						
Yes	0										0						311	4	41	29	26	739
No	7	0	0	6	86	1	14	0	0	746	7	0	86	14	0	746	13798	19	61	15	6	751
Economically disadvantaged																						
Yes	5	0	0	4	80	1	20	0	0	744	5	0	80	20	0	744	5300	8	58	22	11	746
No	2										2						8809	25	61	10	4	754
Migrant																						
Yes	0										0						8	13	50	38	0	747
No	7	0	0	6	86	1	14	0	0	746	7	0	86	14	0	746	14101	19	60	15	6	751
Gender																						
Female	3										3						6993	24	61	11	4	754
Male	4										4						7116	14	60	18	8	749
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						1025	10	53	27	11	745
No	7	0	0	6	86	1	14	0	0	746	7	0	86	14	0	746	13084	19	61	14	6	752
Gifted/talented program																						
Yes	0										0						676	66	33	1	0	766
No	7	0	0	6	86	1	14	0	0	746	7	0	86	14	0	746	13433	16	61	16	7	750

E = Exceeds the Standards **M = Meets the Standards** **P = Partially Meets the Standards** **D = Does Not Meet the Standards**

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. **N** = Number

ELA-READING RESULTS
(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 7
SAU: Somerville School Department
School: Somerville Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	14	0	0	0	0	1	100	0	0	738	14	0	0	100	0	738	7	8	48	25	19	743
B. less than one hour	71	0	0	5	100	0	0	0	0	746	71	0	100	0	0	746	52	17	62	15	6	751
C. one to two hours	14	0	0	1	100	0	0	0	0	750	14	0	100	0	0	750	37	23	61	12	4	753
D. more than two hours	0										0						4	19	53	18	10	750
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	29	0	0	2	100	0	0	0	0	750	29	0	100	0	0	750	30	33	56	7	4	756
B. good	43	0	0	3	100	0	0	0	0	747	43	0	100	0	0	747	49	16	64	14	5	751
C. fair	29	0	0	1	50	1	50	0	0	740	29	0	50	50	0	740	19	5	59	26	10	745
D. poor	0										0						3	3	45	32	21	740
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	43	0	0	3	100	0	0	0	0	748	43	0	100	0	0	748	33	24	62	10	3	754
B. They match some of what I have learned.	57	0	0	3	75	1	25	0	0	744	57	0	75	25	0	744	52	18	62	15	5	751
C. They match just a little of what I have learned.	0										0						11	11	54	23	13	746
D. There is no match.	0										0						3	6	38	29	27	739
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	0										0						17	16	55	18	12	748
B. about the same as my regular schoolwork	71	0	0	4	80	1	20	0	0	746	71	0	80	20	0	746	65	19	62	14	5	752
C. easier than my regular schoolwork	29	0	0	2	100	0	0	0	0	746	29	0	100	0	0	746	17	22	60	13	5	752
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	0										0						9	4	44	27	24	740
B. Most of the passages were about the same as what I normally read.	57	0	0	3	75	1	25	0	0	743	57	0	75	25	0	743	54	14	63	17	5	750
C. Most of the passages were easier than what I normally read.	43	0	0	3	100	0	0	0	0	750	43	0	100	0	0	750	38	28	60	9	3	756
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	43	0	0	2	67	1	33	0	0	745	43	0	67	33	0	745	44	19	60	15	6	751
B. I tried about the same as I do on my regular schoolwork.	57	0	0	4	100	0	0	0	0	747	57	0	100	0	0	747	51	19	62	13	5	752
C. I did not try as hard on this test as I do on my regular schoolwork.	0										0						5	9	51	26	15	744
How much time do you spend reading at home each day?																						
A. more than one hour	29	0	0	2	100	0	0	0	0	750	29	0	100	0	0	750	21	27	57	11	5	755
B. 20 minutes to an hour	43	0	0	3	100	0	0	0	0	746	43	0	100	0	0	746	45	22	62	12	4	753
C. less than 20 minutes	0										0						13	13	61	17	8	749
D. I rarely read at home.	29	0	0	1	50	1	50	0	0	741	29	0	50	50	0	741	21	7	59	24	11	746
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

E = Exceeds the Standards **M = Meets the Standards** **P = Partially Meets the Standards** **D = Does Not Meet the Standards**
N = Number

MATHEMATICS RESULTS

Test Date:	March 2009
Grade:	7
SAU:	Somerville School Department
School:	Somerville Elementary School

ACHIEVEMENT LEVEL DEFINITIONS The quality of a student's work at each achievement level reflects progress in attaining Maine's *Learning Results: Parameters for Essential Instruction* in mathematics.		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student's work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student's responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 762–780)	2006-2007					2142	14
	2007-2008	0	0	0	0	2028	14
	2008-2009	**0**	**0**	**0**	**0**	**2220**	**16**
	Cum. Total*					6390	15
Meets the Standards – The student's work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student's responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student's work may contain minor errors. (Scaled Score 742–760)	2006-2007					5642	38
	2007-2008	2	40	2	40	5703	39
	2008-2009	**3**	**43**	**3**	**43**	**5879**	**42**
	Cum. Total*					17224	40
Partially Meets the Standards – The student's work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student's responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 728–740)	2006-2007					4077	27
	2007-2008	0	0	0	0	3733	26
	2008-2009	**3**	**43**	**3**	**43**	**3537**	**25**
	Cum. Total*					11347	26
Does Not Meet the Standards – The student's work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student's responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 700–726)	2006-2007					3001	20
	2007-2008	3	60	3	60	3054	21
	2008-2009	**1**	**14**	**1**	**14**	**2484**	**18**
	Cum. Total*					8539	20

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	**56**	**100**	25.9	46.3	25.9	46.3	29.9	53.4
A. Number	**14**	**25**	7.3	52.1	7.3	52.1	7.7	55.0
B. Data	**16**	**29**	5.6	35.0	5.6	35.0	8.1	50.6
C. Geometry	**12**	**21**	6.0	50.0	6.0	50.0	6.9	57.5
D. Algebra	**14**	**25**	7.0	50.0	7.0	50.0	7.3	52.1

The MEA assesses students' mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine's 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: http://www.maine.gov/education/lres/pei/index.html.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

*Percentages are calculated by dividing the cumulative total of the number of students in the achievement level by the cumulative total of the number of students tested.

MATHEMATICS RESULTS
(CONTINUED)

Test Date: March 2009
Grade: 7
SAU: Somerville School Department
School: Somerville Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	7	0	0	3	43	3	43	1	14	740	7	0	43	43	14	740	14120	16	42	25	18	745
Ethnicity																						
African American/Black	0										0						416	5	26	28	41	733
American Indian or Native Alaskan	0										0						119	8	30	31	30	737
Asian or Pacific Islander	0										0						258	25	43	19	13	750
Hispanic	0										0						142	8	39	23	30	739
Caucasian/White	7	0	0	3	43	3	43	1	14	740	7	0	43	43	14	740	13185	16	42	25	17	745
Not Reported	0										0						0					
Identified disability																						
Yes	2										2						2189	2	17	27	53	728
No	5	0	0	3	60	2	40	0	0	745	5	0	60	40	0	745	11931	18	46	25	11	748
Current LEP																						
Yes	0										0						323	4	20	28	48	729
No	7	0	0	3	43	3	43	1	14	740	7	0	43	43	14	740	13797	16	42	25	17	745
Economically disadvantaged																						
Yes	5	0	0	3	60	1	20	1	20	740	5	0	60	20	20	740	5308	7	35	30	28	738
No	2										2						8812	21	46	22	11	749
Migrant																						
Yes	0										0						8	0	50	38	13	742
No	7	0	0	3	43	3	43	1	14	740	7	0	43	43	14	740	14112	16	42	25	18	745
Gender																						
Female	3										3						6992	16	43	25	16	745
Male	4										4						7128	15	41	25	19	744
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						1024	7	26	36	31	736
No	7	0	0	3	43	3	43	1	14	740	7	0	43	43	14	740	13096	16	43	24	17	745
Gifted/talented program																						
Yes	0										0						676	68	29	2	0	767
No	7	0	0	3	43	3	43	1	14	740	7	0	43	43	14	740	13444	13	42	26	18	744

E = Exceeds the Standards **M = Meets the Standards** **P = Partially Meets the Standards** **D = Does Not Meet the Standards**

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. **N** = Number

MATHEMATICS RESULTS
(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 7
SAU: Somerville School Department
School: Somerville Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	14	0	0	0	0	0	0	1	100	720	14	0	0	0	100	720	7	6	30	28	36	735
B. less than one hour	71	0	0	3	60	2	40	0	0	744	71	0	60	40	0	744	52	16	42	25	17	745
C. one to two hours	14	0	0	0	0	1	100	0	0	738	14	0	0	100	0	738	37	18	44	24	14	747
D. more than two hours	0										0						4	15	38	24	22	743
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	29	0	0	0	0	1	50	1	50	730	29	0	0	50	50	730	26	35	43	12	9	754
B. good	57	0	0	2	50	2	50	0	0	742	57	0	50	50	0	742	46	13	48	25	15	745
C. fair	14	0	0	1	100	0	0	0	0	752	14	0	100	0	0	752	23	3	32	37	27	737
D. poor	0										0						5	1	22	37	40	731
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	29	0	0	1	50	1	50	0	0	743	29	0	50	50	0	743	26	23	43	20	13	749
B. They match some of what I have learned.	71	0	0	2	40	2	40	1	20	738	71	0	40	40	20	738	53	15	45	26	15	746
C. They match just a little of what I have learned.	0										0						17	9	35	32	24	740
D. There is no match.	0										0						4	7	21	22	51	730
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	0										0						37	8	40	29	23	740
B. about the same as my regular schoolwork	100	0	0	3	43	3	43	1	14	740	100	0	43	43	14	740	51	16	44	25	15	746
C. easier than my regular schoolwork	0										0						12	41	35	13	11	755
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	29	0	0	1	50	0	0	1	50	736	29	0	50	0	50	736	48	14	42	27	17	744
B. I tried about the same as I do on my regular schoolwork.	71	0	0	2	40	3	60	0	0	741	71	0	40	60	0	741	47	18	43	23	16	746
C. I did not try as hard on this test as I do on my regular schoolwork.	0										0						5	14	27	25	34	738
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	0										0						8	8	30	29	33	737
B. 30–45 minutes	86	0	0	2	33	3	50	1	17	739	86	0	33	50	17	739	38	13	40	27	20	743
C. 45–60 minutes	14	0	0	1	100	0	0	0	0	746	14	0	100	0	0	746	42	20	45	23	12	748
D. more than 60 minutes	0										0						12	16	42	25	17	745
How often do you use calculators in mathematics class?																						
A. almost every day	0										0						15	19	38	25	19	745
B. two or three days a week	29	0	0	0	0	2	100	0	0	736	29	0	0	100	0	736	31	18	42	24	16	746
C. two or three times a month	29	0	0	2	100	0	0	0	0	750	29	0	100	0	0	750	26	17	43	24	17	746
D. never or almost never	43	0	0	1	33	1	33	1	33	735	43	0	33	33	33	735	28	11	42	27	19	743
How often do you use laptops in mathematics class?																						
A. almost every day	14	0	0	0	0	1	100	0	0	734	14	0	0	100	0	734	10	12	39	24	24	741
B. two or three days a week	0										0						22	13	43	26	18	744
C. two or three times each month	14	0	0	1	100	0	0	0	0	752	14	0	100	0	0	752	33	18	44	25	13	747
D. never or almost never	71	0	0	2	40	2	40	1	20	738	71	0	40	40	20	738	35	16	40	25	19	744
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

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