June 2008

DEPARTMENT OF EDUCATION
2007–2008 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 standards known as *Learning Results,* adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards 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 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 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. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of 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 Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education

MEA
Maine Educational Assessment

School Report
Grade 3

Test Date:	March 2008
Code:	12521735
SAU:	MSAD 58
School:	Strong 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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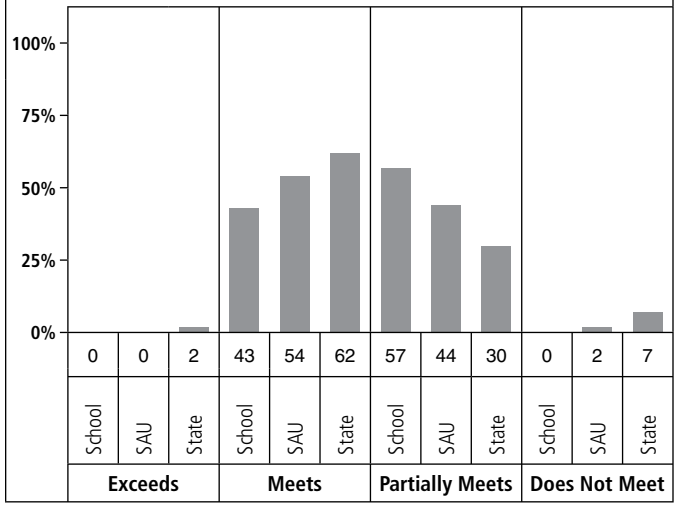
SUMMARY OF SCORES

Test Date:	March 2008
Grade:	3
SAU:	MSAD 58
School:	Strong Elementary School

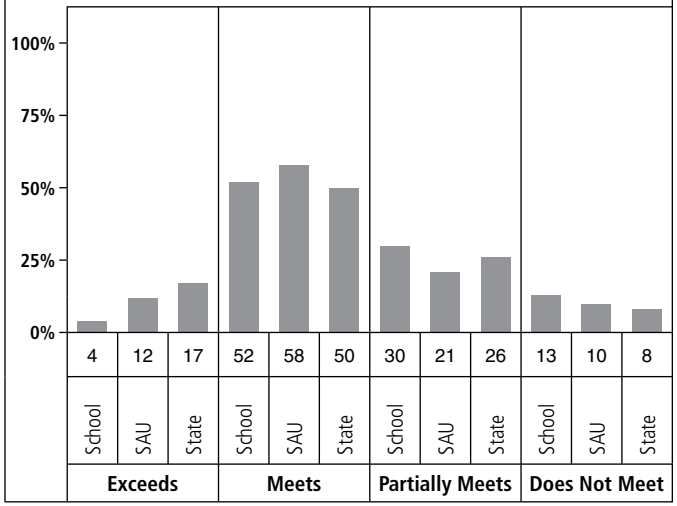
Summary of School, SAU, and State Scores

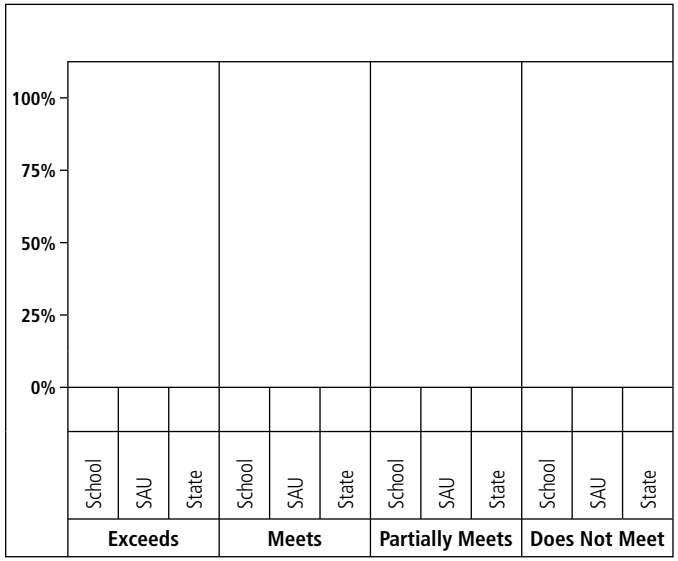
Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	344	342	345
2006–2007	340	340	345
2007–2008	**343**	**345**	**344**
Cum. Avg.*	342	342	345
Mathematics			
2005–2006	346	340	344
2006–2007	347	345	347
2007–2008	**342**	**347**	**347**
Cum. Avg.*	345	344	346

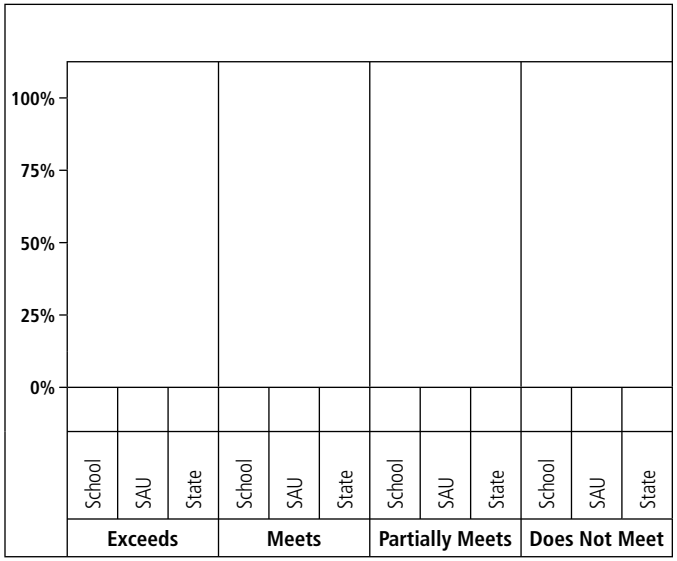
ELA – READING



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 2008
Grade: 3
SAU: MSAD 58
School: Strong 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		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	23	100	52	100	13803	100	23	100	52	100	13714	99	23	100	52	100	13710	99												
Ethnicity African American/Black	1	4	1	2	399	3	1	100	1	100	391	98	1	100	1	100	392	98												
American Indian or Native Alaskan	0	0	0	0	116	1	0	0	0	0	114	99	0	0	0	0	114	99												
Asian or Pacific Islander	0	0	0	0	210	2	0	0	0	0	205	98	0	0	0	0	206	98												
Hispanic	0	0	1	2	162	1	0	0	1	100	158	98	0	0	1	100	159	98												
Caucasian/White	22	96	50	96	12916	94	22	100	50	100	12846	100	22	100	50	100	12839	99												
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Identified disability	3	13	5	10	2358	17	3	100	5	100	2333	99	3	100	5	100	2329	99												
Current LEP	0	0	0	0	371	3	0	0	0	0	357	96	0	0	0	0	361	98												
Economically disadvantaged	15	65	27	52	5584	40	15	100	27	100	5535	99	15	100	27	100	5530	99												
Migrant	0	0	0	0	5	0	0	0	0	0	5	100	0	0	0	0	5	100												

MODE OF PARTICIPATION[3]	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	%
Participation without accommodations	21	91	50	96	10650	77	21	91	50	96	10678	77												
Identified disability (PET/IEP)	1	5	3	6	475	4	1	5	3	6	479	4												
LEP	0	0	0	0	151	1	0	0	0	0	149	1												
504 plan	0	0	0	0	83	1	0	0	0	0	85	1												
Participation with accommodations	2	9	2	4	2936	21	2	9	2	4	2911	21												
Identified disability (PET/IEP)	2	100	2	100	1735	59	2	100	2	100	1729	59												
LEP	0	0	0	0	197	7	0	0	0	0	208	7												
504 plan	0	0	0	0	49	2	0	0	0	0	47	2												
Other	0	0	0	0	986	34	0	0	0	0	958	33												
Participation through alternate assessment (PAAP)	0	0	0	0	123	1	0	0	0	0	121	1												
Identified disability (PET/IEP)	0	0	0	0	123	100	0	0	0	0	121	100												
LEP	0	0	0	0	4	3	0	0	0	0	4	3												
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	5	0																		
Approved non-participation – special consideration	0	0	0	0	9	0	0	0	0	0	12	0												
Non-participation – other	0	0	0	0	80	1	0	0	0	0	81	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 2008
Grade:	3
SAU:	MSAD 58
School:	Strong Elementary School

ACHIEVEMENT LEVEL DEFINITIONS The quality of a student's work at each achievement level reflects progress in attaining Maine's Grade Level Expectations 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 361–380)	2005-2006	0	0	1	2	352	3
	2006-2007	0	0	0	0	332	2
	2007-2008	**0**	**0**	**0**	**0**	**227**	**2**
	Cum. Total*	0	0	1	1	911	2
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 341–360)	2005-2006	10	67	25	54	8641	62
	2006-2007	8	32	16	31	8691	63
	2007-2008	**10**	**43**	**28**	**54**	**8403**	**62**
	Cum. Total*	28	44	69	46	25735	62
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 331–340)	2005-2006	4	27	15	33	3671	27
	2006-2007	16	64	30	59	3781	27
	2007-2008	**13**	**57**	**23**	**44**	**4018**	**30**
	Cum. Total*	33	52	68	46	11470	28
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 300–330)	2005-2006	1	7	5	11	1163	8
	2006-2007	1	4	5	10	1021	7
	2007-2008	**0**	**0**	**1**	**2**	**938**	**7**
	Cum. Total*	2	3	11	7	3122	8

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	**46**	**100**	26.2	57.0	27.8	60.4	27.6	60.0
Literary Text	**23**	**50**	13.8	60.0	14.2	61.7	14.1	61.3
Informational Text	**23**	**50**	12.4	53.9	13.6	59.1	13.5	58.7

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students' reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine's 1997 *Learning Results*, which can be found at http://www.maine.gov/education/lsalt/gles.htm.

*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 2008
Grade: 3
SAU: MSAD 58
School: Strong 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	23	0	0	10	43	13	57	0	0	343	52	0	54	44	2	345	13586	2	62	30	7	344
Ethnicity																						
African American/Black	1										1						384	1	42	39	18	339
American Indian or Native Alaskan	0										0						113	2	50	42	5	343
Asian or Pacific Islander	0										0						203	1	60	31	8	344
Hispanic	0										1						158	1	52	36	11	342
Caucasian/White	22	0	0	10	45	12	55	0	0	344	50	0	56	42	2	345	12728	2	63	29	7	345
Not Reported	0										0						0					
Identified disability																						
Yes	3										5	0	20	80	0	339	2210	0	32	48	20	338
No	20	0	0	10	50	10	50	0	0	344	47	0	57	40	2	345	11376	2	68	26	4	346
Current LEP																						
Yes	0										0						348	1	36	45	19	339
No	23	0	0	10	43	13	57	0	0	343	52	0	54	44	2	345	13238	2	63	29	7	344
Economically disadvantaged																						
Yes	15	0	0	6	40	9	60	0	0	343	27	0	44	52	4	343	5450	1	49	39	11	341
No	8	0	0	4	50	4	50	0	0	344	25	0	64	36	0	346	8136	2	71	23	4	346
Migrant																						
Yes	0										0						5	0	80	20	0	343
No	23	0	0	10	43	13	57	0	0	343	52	0	54	44	2	345	13581	2	62	30	7	344
Gender																						
Female	9	0	0	5	56	4	44	0	0	347	30	0	63	33	3	346	6567	3	65	27	5	345
Male	14	0	0	5	36	9	64	0	0	341	22	0	41	59	0	343	7019	1	59	32	8	343
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	1										0						2004	0	37	49	14	339
No	22	0	0	10	45	12	55	0	0	343	52	0	54	44	2	345	11582	2	66	26	6	345
Gifted/talented program																						
Yes	0										0						125	11	87	2	0	355
No	23	0	0	10	43	13	57	0	0	343	52	0	54	44	2	345	13461	2	62	30	7	344

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 2008
Grade: 3
SAU: MSAD 58
School: Strong 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	0										2	0	100	0	0	356	6	0	43	39	18	340
B. less than one hour	96	0	0	10	45	12	55	0	0	344	90	0	53	45	2	345	79	2	65	28	5	345
C. one to two hours	4	0	0	0	0	1	100	0	0	334	8	0	50	50	0	343	12	2	60	31	7	344
D. more than two hours	0										0						3	0	32	44	24	338
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.	23	0	0	2	40	3	60	0	0	344	33	0	53	41	6	344	29	3	62	28	7	345
B. They match some of what I have learned.	55	0	0	6	50	6	50	0	0	344	51	0	58	42	0	345	48	2	67	27	4	345
C. They match just a little of what I have learned.	14	0	0	1	33	2	67	0	0	338	12	0	50	50	0	344	15	1	56	34	9	343
D. There is no match.	9	0	0	0	0	2	100	0	0	336	4	0	0	100	0	335	8	0	44	40	16	340
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	50	0	0	7	64	4	36	0	0	345	46	0	83	17	0	348	42	3	67	24	6	346
B. good	27	0	0	1	17	5	83	0	0	342	38	0	26	74	0	342	46	1	62	32	5	344
C. fair	23	0	0	1	20	4	80	0	0	340	14	0	29	71	0	341	10	0	48	42	10	341
D. poor	0										2	0	0	0	100	330	2	0	30	43	28	336
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	19	0	0	2	50	2	50	0	0	343	20	0	40	50	10	343	22	1	48	38	12	341
B. about the same as my regular schoolwork	62	0	0	6	46	7	54	0	0	343	57	0	55	45	0	344	57	2	68	26	4	346
C. easier than my regular schoolwork	19	0	0	1	25	3	75	0	0	342	24	0	58	42	0	346	21	1	61	30	8	344
How hard were the reading passages on this test?																						
A. Most of the passages were harder than what I normally read.	30	0	0	1	14	6	86	0	0	337	25	0	23	69	8	340	20	0	38	47	16	339
B. Most of the passages were about the same as what I normally read.	43	0	0	5	50	5	50	0	0	346	44	0	57	43	0	346	51	2	68	27	4	345
C. Most of the passages were easier than what I normally read.	26	0	0	4	67	2	33	0	0	346	31	0	75	25	0	347	29	3	69	23	6	346
How much time do you spend reading at home each day?																						
A. more than one hour	13	0	0	1	33	2	67	0	0	343	27	0	79	14	7	347	19	3	65	27	6	346
B. 20 minutes to an hour	70	0	0	6	38	10	63	0	0	343	56	0	41	59	0	344	47	2	68	25	5	346
C. less than 20 minutes	9	0	0	2	100	0	0	0	0	350	12	0	67	33	0	344	19	1	56	35	8	343
D. I rarely read at home.	9	0	0	1	50	1	50	0	0	341	6	0	33	67	0	343	14	0	47	40	12	341
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	13	0	0	2	67	1	33	0	0	346	17	0	67	33	0	348	28	1	56	33	9	343
B. six to ten pages	13	0	0	1	33	2	67	0	0	345	12	0	50	50	0	346	23	1	63	29	7	344
C. eleven or more pages	74	0	0	7	41	10	59	0	0	342	71	0	51	46	3	344	49	2	65	27	6	345
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 2008
Grade:	3
SAU:	MSAD 58
School:	Strong Elementary School

ACHIEVEMENT LEVEL DEFINITIONS The quality of a student's work at each achievement level reflects progress in attaining Maine's Grade Level Expectations 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 361–380)	2005-2006	2	13	2	4	1295	9
	2006-2007	3	12	5	10	1985	14
	2007-2008	**1**	**4**	**6**	**12**	**2277**	**17**
	Cum. Total*	6	10	13	9	5557	13
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 341–360)	2005-2006	7	47	19	41	6852	49
	2006-2007	16	64	27	53	6990	51
	2007-2008	**12**	**52**	**30**	**58**	**6764**	**50**
	Cum. Total*	35	56	76	51	20606	50
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 325–340)	2005-2006	4	27	18	39	4081	29
	2006-2007	4	16	16	31	3673	27
	2007-2008	**7**	**30**	**11**	**21**	**3504**	**26**
	Cum. Total*	15	24	45	30	11258	27
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 300–324)	2005-2006	2	13	7	15	1638	12
	2006-2007	2	8	3	6	1193	9
	2007-2008	**3**	**13**	**5**	**10**	**1044**	**8**
	Cum. Total*	7	11	15	10	3875	9

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	**15**	**31**	8.4	56.0	9.5	63.3	9.2	61.3
Cluster 2: Shape and Size	**14**	**29**	8.3	59.3	9.6	68.6	10.0	71.4
Cluster 3: Mathematical Decision Making	**5**	**10**	3.0	60.0	3.3	66.0	3.2	64.0
Cluster 4: Patterns	**14**	**29**	8.7	62.1	9.1	65.0	9.0	64.3

Cluster 1: Numbers and Operations
- A. Numbers and Number Sense
- B. Computation
- I. Discrete Mathematics (grades 3 and 4 only)

Cluster 2: Shape and Size
- E. Geometry
- F. Measurement

Cluster 3: Mathematical Decision Making
- C. Data Analysis and Statistics
- D. Probability

Cluster 4: Patterns
- G. Patterns, Relations, and Functions
- H. Algebra Concepts
- K. Mathematical Communication

Each content standard in the clusters above is defined in Maine's 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at http://www.maine.gov/education/lsalt/gles.htm.

*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 2008
Grade: 3
SAU: MSAD 58
School: Strong 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	23	1	4	12	52	7	30	3	13	342	52	12	58	21	10	347	13589	17	50	26	8	347
Ethnicity																						
African American/Black	1										1						390	10	30	32	28	337
American Indian or Native Alaskan	0										0						113	7	45	38	10	342
Asian or Pacific Islander	0										0						204	18	48	25	9	347
Hispanic	0										1						159	6	50	31	13	342
Caucasian/White	22	1	5	12	55	6	27	3	14	342	50	12	58	20	10	347	12723	17	50	25	7	348
Not Reported	0										0						0					
Identified disability																						
Yes	3										5	20	20	20	40	342	2208	6	35	37	21	338
No	20	1	5	11	55	6	30	2	10	342	47	11	62	21	6	348	11381	19	53	24	5	349
Current LEP																						
Yes	0										0						357	8	29	37	26	336
No	23	1	4	12	52	7	30	3	13	342	52	12	58	21	10	347	13232	17	50	25	7	348
Economically disadvantaged																						
Yes	15	1	7	8	53	5	33	1	7	343	27	11	56	22	11	346	5452	9	45	33	12	343
No	8	0	0	4	50	2	25	2	25	340	25	12	60	20	8	349	8137	22	53	21	4	350
Migrant																						
Yes	0										0						5	0	40	40	20	337
No	23	1	4	12	52	7	30	3	13	342	52	12	58	21	10	347	13584	17	50	26	8	347
Gender																						
Female	9	1	11	5	56	2	22	1	11	345	30	13	57	23	7	348	6565	15	49	27	8	347
Male	14	0	0	7	50	5	36	2	14	340	22	9	59	18	14	346	7024	18	50	24	7	348
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	1										0						2004	5	39	41	15	339
No	22	1	5	12	55	6	27	3	14	342	52	12	58	21	10	347	11585	19	52	23	6	349
Gifted/talented program																						
Yes	0										0						125	70	30	0	0	366
No	23	1	4	12	52	7	30	3	13	342	52	12	58	21	10	347	13464	16	50	26	8	347

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 2008
Grade: 3
SAU: MSAD 58
School: Strong 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	0										2	0	100	0	0	348	6	9	40	33	18	340
B. less than one hour	96	1	5	12	55	6	27	3	14	342	90	11	60	19	11	347	79	18	52	24	6	348
C. one to two hours	4	0	0	0	0	1	100	0	0	334	8	25	25	50	0	344	12	16	48	27	8	347
D. more than two hours	0										0						3	7	26	37	29	335
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.	43	0	0	4	40	5	50	1	10	341	37	16	47	32	5	348	37	22	50	22	6	350
B. They match some of what I have learned.	48	1	9	6	55	2	18	2	18	341	54	11	57	18	14	346	46	16	53	25	6	348
C. They match just a little of what I have learned.	4	0	0	1	100	0	0	0	0	348	6	0	100	0	0	351	12	9	44	36	11	342
D. There is no match.	4	0	0	1	100	0	0	0	0	358	4	0	100	0	0	353	5	5	32	36	27	336
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	37	0	0	4	57	3	43	0	0	343	31	13	53	33	0	349	39	25	48	20	7	350
B. good	47	1	11	3	33	2	22	3	33	338	47	13	57	17	13	347	46	14	52	27	7	347
C. fair	16	0	0	2	67	1	33	0	0	343	20	10	60	10	20	345	12	8	49	35	9	343
D. poor	0										2	0	100	0	0	356	3	2	34	36	29	335
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	9	0	0	2	100	0	0	0	0	345	13	0	86	0	14	345	17	7	41	35	17	340
B. about the same as my regular schoolwork	65	1	7	6	40	5	33	3	20	340	65	18	44	26	12	347	59	18	53	24	5	349
C. easier than my regular schoolwork	26	0	0	4	67	2	33	0	0	344	21	0	82	18	0	349	25	21	49	23	8	349
How often do you use hands-on materials in mathematics class?																						
A. almost every day	35	0	0	2	29	3	43	2	29	337	43	14	38	29	19	344	32	13	47	30	10	345
B. two or three days a week	20	1	25	2	50	1	25	0	0	349	8	25	50	25	0	352	30	20	52	23	5	349
C. two or three times each month	15	0	0	3	100	0	0	0	0	352	33	6	88	6	0	354	19	20	53	21	6	350
D. never or almost never	30	0	0	3	50	3	50	0	0	340	16	13	50	38	0	346	18	16	50	27	8	347
How often do you use calculators in mathematics class?																						
A. almost every day	0										0						7	5	34	40	20	338
B. two or three days a week	9	0	0	1	50	1	50	0	0	348	4	0	50	50	0	348	18	15	50	27	8	346
C. two or three times each month	13	0	0	3	100	0	0	0	0	349	6	0	100	0	0	349	28	21	53	21	4	350
D. never or almost never	78	1	6	8	44	6	33	3	17	340	90	11	57	22	11	347	47	17	50	25	7	347
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	30	0	0	2	29	4	57	1	14	336	19	10	50	30	10	345	16	8	42	36	13	342
B. 30–45 minutes	43	1	10	8	80	1	10	0	0	350	25	23	62	8	8	350	30	14	53	26	7	347
C. 45–60 minutes	13	0	0	1	33	1	33	1	33	333	46	8	63	21	8	348	32	22	51	22	5	350
D. more than 60 minutes	13	0	0	1	33	1	33	1	33	338	10	0	40	40	20	340	22	20	49	23	7	349
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

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