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:	12491717
SAU:	MSAD 55
School:	Fred W Morrill 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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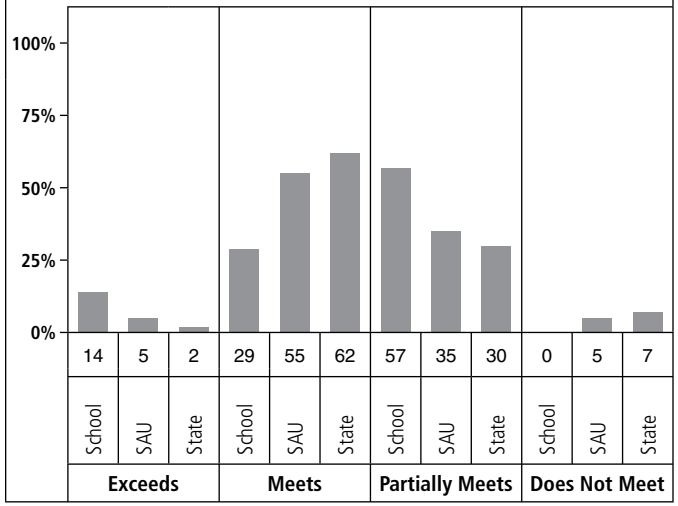
SUMMARY OF SCORES

Test Date:	March 2008
Grade:	3
SAU:	MSAD 55
School:	Fred W Morrill School

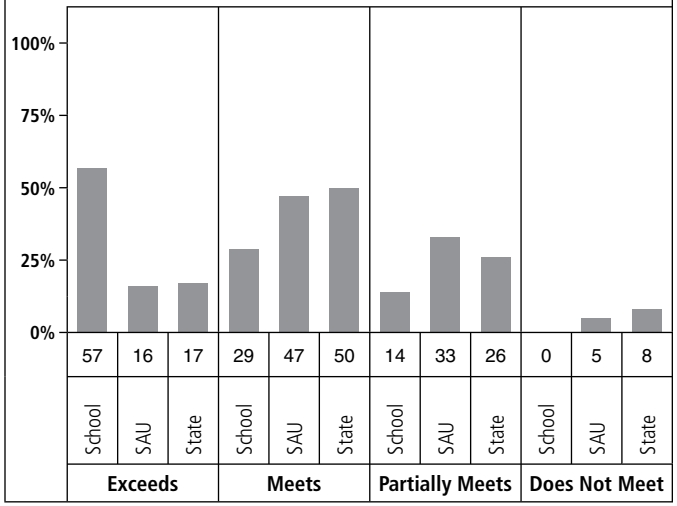
Summary of School, SAU, and State Scores

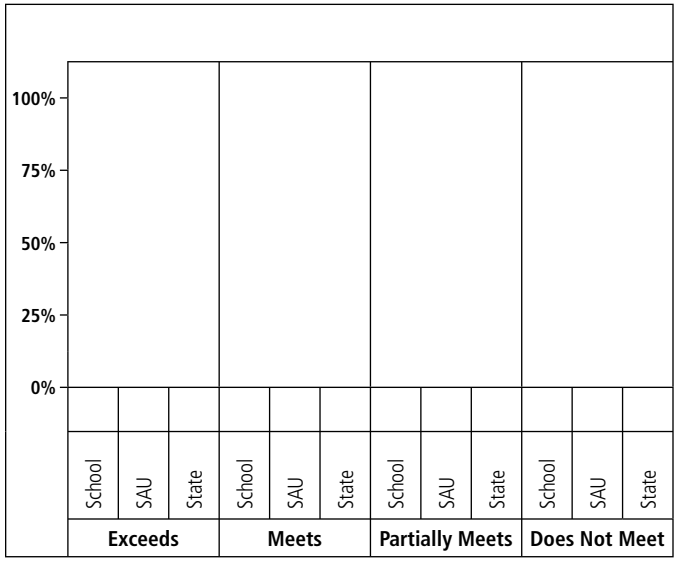
Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	345	345	345
2006–2007	340	345	345
2007–2008	**347**	**346**	**344**
Cum. Avg.*	344	345	345
Mathematics			
2005–2006	336	342	344
2006–2007	338	346	347
2007–2008	**362**	**347**	**347**
Cum. Avg.*	344	345	346

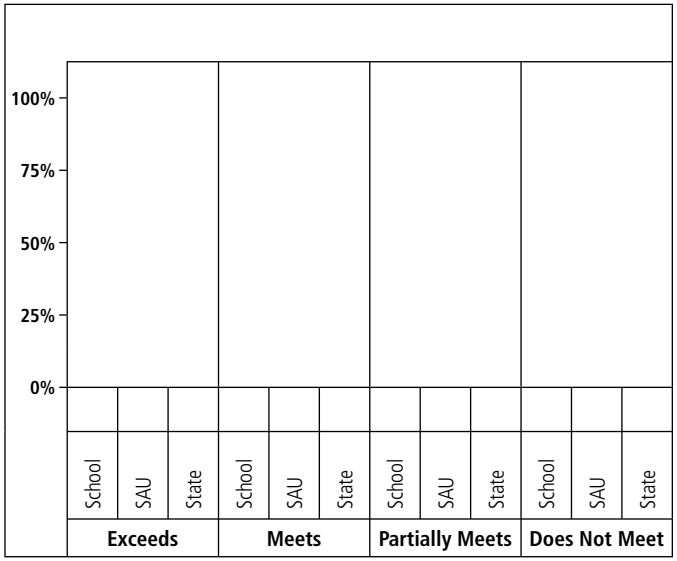
ELA – READING



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

MEA
Maine Educational Assessment

Test Date: March 2008
Grade: 3
SAU: MSAD 55
School: Fred W Morrill 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	7	100	84	100	13803	100	7	100	84	100	13714	99	7	100	84	100	13710	99												
Ethnicity African American/Black	0	0	0	0	399	3	0	0	0	0	391	98	0	0	0	0	392	98												
American Indian or Native Alaskan	0	0	1	1	116	1	0	0	1	100	114	99	0	0	1	100	114	99												
Asian or Pacific Islander	0	0	1	1	210	2	0	0	1	100	205	98	0	0	1	100	206	98												
Hispanic	0	0	0	0	162	1	0	0	0	0	158	98	0	0	0	0	159	98												
Caucasian/White	7	100	82	98	12916	94	7	100	82	100	12846	100	7	100	82	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	2	29	18	21	2358	17	2	100	18	100	2333	99	2	100	18	100	2329	99												
Current LEP	0	0	1	1	371	3	0	0	1	100	357	96	0	0	1	100	361	98												
Economically disadvantaged	3	43	37	44	5584	40	3	100	37	100	5535	99	3	100	37	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	4	57	65	77	10650	77	4	57	65	77	10678	77												
Identified disability (PET/IEP)	0	0	6	9	475	4	0	0	6	9	479	4												
LEP	0	0	0	0	151	1	0	0	0	0	149	1												
504 plan	0	0	1	2	83	1	0	0	1	2	85	1												
Participation with accommodations	3	43	18	21	2936	21	3	43	18	21	2911	21												
Identified disability (PET/IEP)	2	67	11	61	1735	59	2	67	11	61	1729	59												
LEP	0	0	1	6	197	7	0	0	1	6	208	7												
504 plan	0	0	0	0	49	2	0	0	0	0	47	2												
Other	1	33	6	33	986	34	1	33	6	33	958	33												
Participation through alternate assessment (PAAP)	0	0	1	1	123	1	0	0	1	1	121	1												
Identified disability (PET/IEP)	0	0	1	100	123	100	0	0	1	100	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 55
School:	Fred W Morrill 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	1	13	4	4	352	3
	2006-2007	0	0	2	2	332	2
	2007-2008	**1**	**14**	**4**	**5**	**227**	**2**
	Cum. Total*	2	8	10	4	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	3	38	55	60	8641	62
	2006-2007	4	44	67	68	8691	63
	2007-2008	**2**	**29**	**46**	**55**	**8403**	**62**
	Cum. Total*	9	38	168	62	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	50	28	30	3671	27
	2006-2007	4	44	24	24	3781	27
	2007-2008	**4**	**57**	**29**	**35**	**4018**	**30**
	Cum. Total*	12	50	81	30	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	0	0	5	5	1163	8
	2006-2007	1	11	5	5	1021	7
	2007-2008	**0**	**0**	**4**	**5**	**938**	**7**
	Cum. Total*	1	4	14	5	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**	28.7	62.4	28.6	62.2	27.6	60.0
Literary Text	**23**	**50**	13.7	59.6	14.4	62.6	14.1	61.3
Informational Text	**23**	**50**	15.0	65.2	14.2	61.7	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 55
School: Fred W Morrill 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	1	14	2	29	4	57	0	0	347	83	5	55	35	5	346	13586	2	62	30	7	344
Ethnicity																						
African American/Black	0										0						384	1	42	39	18	339
American Indian or Native Alaskan	0										1						113	2	50	42	5	343
Asian or Pacific Islander	0										1						203	1	60	31	8	344
Hispanic	0										0						158	1	52	36	11	342
Caucasian/White	7	1	14	2	29	4	57	0	0	347	81	5	56	36	4	346	12728	2	63	29	7	345
Not Reported	0										0						0					
Identified disability																						
Yes	2										17	0	24	65	12	340	2210	0	32	48	20	338
No	5	1	20	2	40	2	40	0	0	352	66	6	64	27	3	347	11376	2	68	26	4	346
Current LEP																						
Yes	0										1						348	1	36	45	19	339
No	7	1	14	2	29	4	57	0	0	347	82	5	56	35	4	346	13238	2	63	29	7	344
Economically disadvantaged																						
Yes	3										36	6	44	39	11	344	5450	1	49	39	11	341
No	4										47	4	64	32	0	347	8136	2	71	23	4	346
Migrant																						
Yes	0										0						5	0	80	20	0	343
No	7	1	14	2	29	4	57	0	0	347	83	5	55	35	5	346	13581	2	62	30	7	344
Gender																						
Female	5	1	20	2	40	2	40	0	0	351	54	7	57	33	2	347	6567	3	65	27	5	345
Male	2										29	0	52	38	10	343	7019	1	59	32	8	343
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	2										15	0	20	80	0	340	2004	0	37	49	14	339
No	5	1	20	2	40	2	40	0	0	351	68	6	63	25	6	347	11582	2	66	26	6	345
Gifted/talented program																						
Yes	1										1						125	11	87	2	0	355
No	6	0	0	2	33	4	67	0	0	344	82	4	56	35	5	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 55
School: Fred W Morrill 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										3	0	0	50	50	334	6	0	43	39	18	340
B. less than one hour	67	1	25	1	25	2	50	0	0	350	73	5	59	33	3	346	79	2	65	28	5	345
C. one to two hours	33	0	0	1	50	1	50	0	0	349	23	6	61	33	0	347	12	2	60	31	7	344
D. more than two hours	0										3	0	0	50	50	335	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.	17	1	100	0	0	0	0	0	0	368	25	10	50	40	0	347	29	3	62	28	7	345
B. They match some of what I have learned.	83	0	0	2	40	3	60	0	0	346	51	5	63	27	5	347	48	2	67	27	4	345
C. They match just a little of what I have learned.	0										18	0	57	36	7	344	15	1	56	34	9	343
D. There is no match.	0										6	0	20	60	20	338	8	0	44	40	16	340
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	83	1	20	2	40	2	40	0	0	352	41	9	63	22	6	348	42	3	67	24	6	346
B. good	0										49	3	54	38	5	345	46	1	62	32	5	344
C. fair	17	0	0	0	0	1	100	0	0	336	9	0	57	43	0	346	10	0	48	42	10	341
D. poor	0										1	0	0	100	0	338	2	0	30	43	28	336
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	0										34	0	56	41	4	345	22	1	48	38	12	341
B. about the same as my regular schoolwork	67	0	0	1	25	3	75	0	0	343	46	8	67	25	0	347	57	2	68	26	4	346
C. easier than my regular schoolwork	33	1	50	1	50	0	0	0	0	363	20	6	38	38	19	343	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.	17	0	0	0	0	1	100	0	0	338	23	0	28	61	11	340	20	0	38	47	16	339
B. Most of the passages were about the same as what I normally read.	67	0	0	2	50	2	50	0	0	348	55	5	67	26	2	347	51	2	68	27	4	345
C. Most of the passages were easier than what I normally read.	17	1	100	0	0	0	0	0	0	368	22	12	65	18	6	349	29	3	69	23	6	346
How much time do you spend reading at home each day?																						
A. more than one hour	33	1	50	1	50	0	0	0	0	362	20	13	50	31	6	347	19	3	65	27	6	346
B. 20 minutes to an hour	50	0	0	1	33	2	67	0	0	345	68	4	59	33	4	346	47	2	68	25	5	346
C. less than 20 minutes	17	0	0	0	0	1	100	0	0	336	8	0	50	33	17	344	19	1	56	35	8	343
D. I rarely read at home.	0										5	0	50	50	0	344	14	0	47	40	12	341
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	0										13	0	60	30	10	345	28	1	56	33	9	343
B. six to ten pages	33	0	0	1	50	1	50	0	0	348	28	0	68	23	9	345	23	1	63	29	7	344
C. eleven or more pages	67	1	25	1	25	2	50	0	0	350	59	9	50	39	2	346	49	2	65	27	6	345
Optional school/SAU question																						
A.	0										50	0	50	0	50	339						
B.	0										25	0	0	0	100	330						
C.	0										25	0	0	0	100	330						
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 55
School:	Fred W Morrill 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	0	0	5	5	1295	9
	2006-2007	0	0	8	8	1985	14
	2007-2008	**4**	**57**	**13**	**16**	**2277**	**17**
	Cum. Total*	4	17	26	10	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	2	25	43	47	6852	49
	2006-2007	4	44	53	54	6990	51
	2007-2008	**2**	**29**	**39**	**47**	**6764**	**50**
	Cum. Total*	8	33	135	49	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	5	63	34	37	4081	29
	2006-2007	4	44	31	32	3673	27
	2007-2008	**1**	**14**	**27**	**33**	**3504**	**26**
	Cum. Total*	10	42	92	34	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	1	13	10	11	1638	12
	2006-2007	1	11	6	6	1193	9
	2007-2008	**0**	**0**	**4**	**5**	**1044**	**8**
	Cum. Total*	2	8	20	7	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**	11.9	79.3	8.8	58.7	9.2	61.3
Cluster 2: Shape and Size	**14**	**29**	11.7	83.6	10.4	74.3	10.0	71.4
Cluster 3: Mathematical Decision Making	**5**	**10**	3.7	74.0	3.3	66.0	3.2	64.0
Cluster 4: Patterns	**14**	**29**	11.3	80.7	8.8	62.9	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 55
School: Fred W Morrill 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	4	57	2	29	1	14	0	0	362	83	16	47	33	5	347	13589	17	50	26	8	347
Ethnicity																						
African American/Black	0										0						390	10	30	32	28	337
American Indian or Native Alaskan	0										1						113	7	45	38	10	342
Asian or Pacific Islander	0										1						204	18	48	25	9	347
Hispanic	0										0						159	6	50	31	13	342
Caucasian/White	7	4	57	2	29	1	14	0	0	362	81	16	46	33	5	347	12723	17	50	25	7	348
Not Reported	0										0						0					
Identified disability																						
Yes	2										17	6	35	53	6	341	2208	6	35	37	21	338
No	5	4	80	1	20	0	0	0	0	369	66	18	50	27	5	349	11381	19	53	24	5	349
Current LEP																						
Yes	0										1						357	8	29	37	26	336
No	7	4	57	2	29	1	14	0	0	362	82	16	46	33	5	347	13232	17	50	25	7	348
Economically disadvantaged																						
Yes	3										36	11	47	33	8	345	5452	9	45	33	12	343
No	4										47	19	47	32	2	349	8137	22	53	21	4	350
Migrant																						
Yes	0										0						5	0	40	40	20	337
No	7	4	57	2	29	1	14	0	0	362	83	16	47	33	5	347	13584	17	50	26	8	347
Gender																						
Female	5	3	60	1	20	1	20	0	0	360	54	17	43	35	6	346	6565	15	49	27	8	347
Male	2										29	14	55	28	3	350	7024	18	50	24	7	348
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	2										15	13	20	53	13	341	2004	5	39	41	15	339
No	5	3	60	2	40	0	0	0	0	364	68	16	53	28	3	348	11585	19	52	23	6	349
Gifted/talented program																						
Yes	1										1						125	70	30	0	0	366
No	6	3	50	2	33	1	17	0	0	359	82	15	48	33	5	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 55
School: Fred W Morrill 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										3	0	50	50	0	335	6	9	40	33	18	340
B. less than one hour	67	2	50	1	25	1	25	0	0	358	73	14	47	36	3	347	79	18	52	24	6	348
C. one to two hours	33	2	100	0	0	0	0	0	0	374	23	28	39	28	6	350	12	16	48	27	8	347
D. more than two hours	0										3	0	50	0	50	335	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.	33	2	100	0	0	0	0	0	0	380	34	19	37	41	4	348	37	22	50	22	6	350
B. They match some of what I have learned.	67	2	50	1	25	1	25	0	0	355	52	17	49	27	7	347	46	16	53	25	6	348
C. They match just a little of what I have learned.	0										10	13	38	50	0	342	12	9	44	36	11	342
D. There is no match.	0										4	0	100	0	0	350	5	5	32	36	27	336
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	0										30	21	50	29	0	349	39	25	48	20	7	350
B. good	67	3	75	0	0	1	25	0	0	366	62	12	43	37	8	345	46	14	52	27	7	347
C. fair	33	1	50	1	50	0	0	0	0	358	8	33	33	33	0	351	12	8	49	35	9	343
D. poor	0										0						3	2	34	36	29	335
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	17	0	0	1	100	0	0	0	0	348	23	11	22	61	6	341	17	7	41	35	17	340
B. about the same as my regular schoolwork	83	4	80	0	0	1	20	0	0	366	58	24	48	22	7	350	59	18	53	24	5	349
C. easier than my regular schoolwork	0										20	0	63	38	0	344	25	21	49	23	8	349
How often do you use hands-on materials in mathematics class?																						
A. almost every day	0										24	5	68	21	5	346	32	13	47	30	10	345
B. two or three days a week	67	2	50	1	25	1	25	0	0	358	42	18	36	42	3	346	30	20	52	23	5	349
C. two or three times each month	33	2	100	0	0	0	0	0	0	374	23	22	44	28	6	349	19	20	53	21	6	350
D. never or almost never	0										11	22	33	33	11	347	18	16	50	27	8	347
How often do you use calculators in mathematics class?																						
A. almost every day	0										3	0	50	0	50	330	7	5	34	40	20	338
B. two or three days a week	0										0						18	15	50	27	8	346
C. two or three times each month	0										23	6	44	39	11	342	28	21	53	21	4	350
D. never or almost never	100	4	67	1	17	1	17	0	0	363	75	20	45	33	2	349	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	0										10	13	50	38	0	347	16	8	42	36	13	342
B. 30–45 minutes	17	1	100	0	0	0	0	0	0	368	23	17	56	17	11	348	30	14	53	26	7	347
C. 45–60 minutes	83	3	60	1	20	1	20	0	0	362	41	16	41	41	3	346	32	22	51	22	5	350
D. more than 60 minutes	0										27	19	38	38	5	346	22	20	49	23	7	349
Optional school/SAU question																						
A.	0										50	0	100	0	0	348						
B.	0										25	0	100	0	0	344						
C.	0										25	0	0	0	100	324						
D.	0										0											

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