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:	12651796
SAU:	MSAD 74
School:	Embden 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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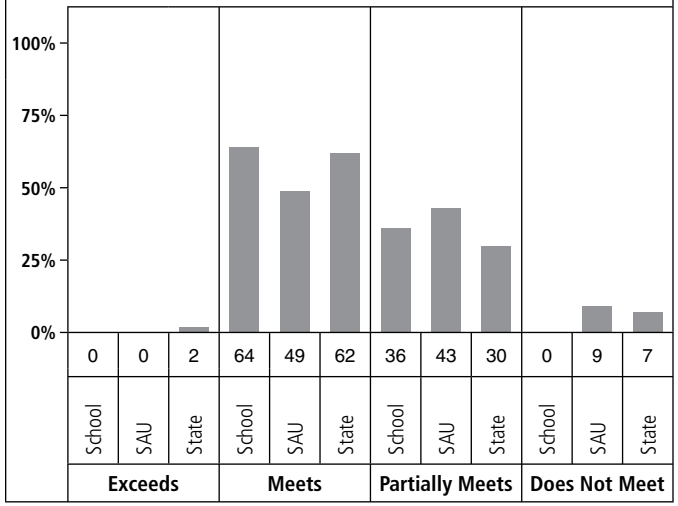
SUMMARY OF SCORES

Test Date: March 2008
Grade: 3
SAU: MSAD 74
School: Embden Elementary School

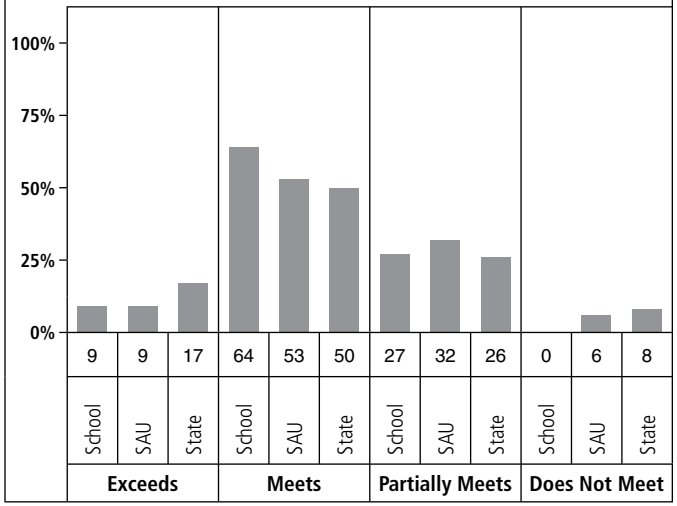
Summary of School, SAU, and State Scores

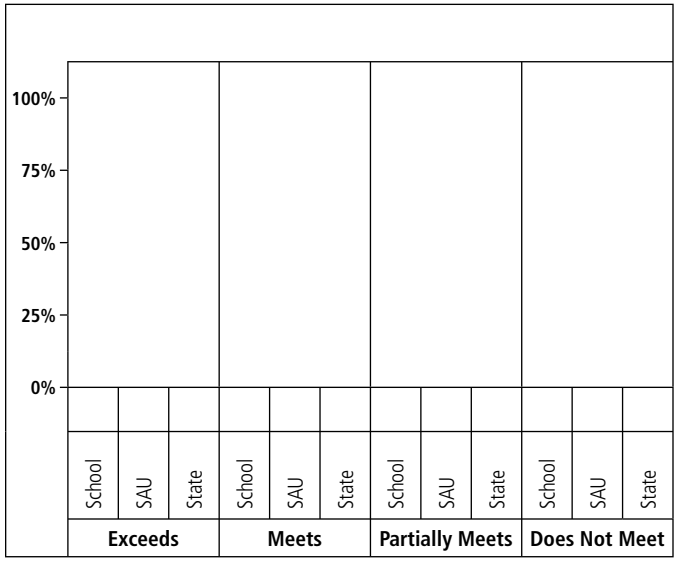
Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	347	343	345
2006–2007	353	345	345
2007–2008	**348**	**344**	**344**
Cum. Avg.*	349	344	345
Mathematics			
2005–2006	346	343	344
2006–2007	354	346	347
2007–2008	**348**	**346**	**347**
Cum. Avg.*	349	345	346

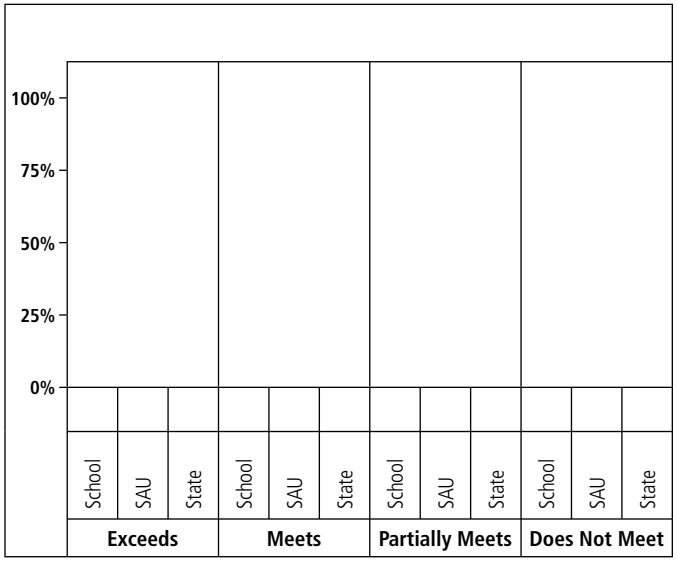
ELA – READING



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

Test Date: March 2008
Grade: 3
SAU: MSAD 74
School: Embden 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	11	100	47	100	13803	100	11	100	47	100	13714	99	11	100	47	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	1	9	1	2	116	1	1	100	1	100	114	99	1	100	1	100	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	0	0	162	1	0	0	0	0	158	98	0	0	0	0	159	98												
Caucasian/White	10	91	46	98	12916	94	10	100	46	100	12846	100	10	100	46	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	1	9	7	15	2358	17	1	100	7	100	2333	99	1	100	7	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	4	36	30	64	5584	40	4	100	30	100	5535	99	4	100	30	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	10	91	41	87	10650	77	10	91	41	87	10678	77												
Identified disability (PET/IEP)	1	10	4	10	475	4	1	10	4	10	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	1	9	6	13	2936	21	1	9	6	13	2911	21												
Identified disability (PET/IEP)	0	0	3	50	1735	59	0	0	3	50	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	1	100	3	50	986	34	1	100	3	50	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 74
School:	Embden 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	2	3	352	3
	2006-2007	0	0	0	0	332	2
	2007-2008	**0**	**0**	**0**	**0**	**227**	**2**
	Cum. Total*	0	0	2	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	9	75	35	56	8641	62
	2006-2007	10	91	36	60	8691	63
	2007-2008	**7**	**64**	**23**	**49**	**8403**	**62**
	Cum. Total*	26	76	94	56	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	3	25	17	27	3671	27
	2006-2007	1	9	22	37	3781	27
	2007-2008	**4**	**36**	**20**	**43**	**4018**	**30**
	Cum. Total*	8	24	59	35	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	8	13	1163	8
	2006-2007	0	0	2	3	1021	7
	2007-2008	**0**	**0**	**4**	**9**	**938**	**7**
	Cum. Total*	0	0	14	8	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**	31.0	67.4	26.7	58.0	27.6	60.0
Literary Text	**23**	**50**	16.3	70.9	13.5	58.7	14.1	61.3
Informational Text	**23**	**50**	14.7	63.9	13.3	57.8	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 74
School: Embden 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	11	0	0	7	64	4	36	0	0	348	47	0	49	43	9	344	13586	2	62	30	7	344
Ethnicity																						
African American/Black	0										0						384	1	42	39	18	339
American Indian or Native Alaskan	1										1						113	2	50	42	5	343
Asian or Pacific Islander	0										0						203	1	60	31	8	344
Hispanic	0										0						158	1	52	36	11	342
Caucasian/White	10	0	0	7	70	3	30	0	0	349	46	0	50	41	9	344	12728	2	63	29	7	345
Not Reported	0										0						0					
Identified disability																						
Yes	1										7	0	0	71	29	336	2210	0	32	48	20	338
No	10	0	0	7	70	3	30	0	0	349	40	0	58	38	5	345	11376	2	68	26	4	346
Current LEP																						
Yes	0										0						348	1	36	45	19	339
No	11	0	0	7	64	4	36	0	0	348	47	0	49	43	9	344	13238	2	63	29	7	344
Economically disadvantaged																						
Yes	4										30	0	37	50	13	341	5450	1	49	39	11	341
No	7	0	0	5	71	2	29	0	0	349	17	0	71	29	0	348	8136	2	71	23	4	346
Migrant																						
Yes	0										0						5	0	80	20	0	343
No	11	0	0	7	64	4	36	0	0	348	47	0	49	43	9	344	13581	2	62	30	7	344
Gender																						
Female	7	0	0	5	71	2	29	0	0	349	21	0	67	24	10	345	6567	3	65	27	5	345
Male	4										26	0	35	58	8	342	7019	1	59	32	8	343
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	2										11	0	9	82	9	338	2004	0	37	49	14	339
No	9	0	0	6	67	3	33	0	0	348	36	0	61	31	8	345	11582	2	66	26	6	345
Gifted/talented program																						
Yes	0										0						125	11	87	2	0	355
No	11	0	0	7	64	4	36	0	0	348	47	0	49	43	9	344	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 74
School: Embden 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										4	0	0	100	0	339	6	0	43	39	18	340
B. less than one hour	100	0	0	7	64	4	36	0	0	348	70	0	56	41	3	345	79	2	65	28	5	345
C. one to two hours	0										24	0	45	36	18	341	12	2	60	31	7	344
D. more than two hours	0										2	0	0	0	100	328	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.	9	0	0	0	0	1	100	0	0	340	22	0	30	50	20	341	29	3	62	28	7	345
B. They match some of what I have learned.	73	0	0	5	63	3	38	0	0	348	70	0	53	44	3	345	48	2	67	27	4	345
C. They match just a little of what I have learned.	18	0	0	2	100	0	0	0	0	350	9	0	75	0	25	345	15	1	56	34	9	343
D. There is no match.	0										0						8	0	44	40	16	340
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	27	0	0	2	67	1	33	0	0	349	37	0	35	53	12	342	42	3	67	24	6	346
B. good	55	0	0	5	83	1	17	0	0	350	52	0	67	25	8	345	46	1	62	32	5	344
C. fair	18	0	0	0	0	2	100	0	0	340	11	0	20	80	0	342	10	0	48	42	10	341
D. poor	0										0						2	0	30	43	28	336
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	36	0	0	4	100	0	0	0	0	353	16	0	57	29	14	346	22	1	48	38	12	341
B. about the same as my regular schoolwork	55	0	0	3	50	3	50	0	0	346	67	0	43	47	10	342	57	2	68	26	4	346
C. easier than my regular schoolwork	9	0	0	0	0	1	100	0	0	340	18	0	63	38	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.	9	0	0	1	100	0	0	0	0	352	13	0	33	33	33	339	20	0	38	47	16	339
B. Most of the passages were about the same as what I normally read.	55	0	0	4	67	2	33	0	0	348	65	0	50	43	7	344	51	2	68	27	4	345
C. Most of the passages were easier than what I normally read.	36	0	0	2	50	2	50	0	0	347	22	0	60	40	0	345	29	3	69	23	6	346
How much time do you spend reading at home each day?																						
A. more than one hour	45	0	0	3	60	2	40	0	0	348	30	0	50	43	7	344	19	3	65	27	6	346
B. 20 minutes to an hour	45	0	0	4	80	1	20	0	0	349	33	0	73	20	7	347	47	2	68	25	5	346
C. less than 20 minutes	9	0	0	0	0	1	100	0	0	340	22	0	30	60	10	341	19	1	56	35	8	343
D. I rarely read at home.	0										15	0	29	57	14	341	14	0	47	40	12	341
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	45	0	0	2	40	3	60	0	0	344	22	0	30	60	10	342	28	1	56	33	9	343
B. six to ten pages	9	0	0	1	100	0	0	0	0	354	33	0	60	27	13	344	23	1	63	29	7	344
C. eleven or more pages	45	0	0	4	80	1	20	0	0	351	46	0	52	43	5	344	49	2	65	27	6	345
Optional school/SAU question																						
A.	0										100	0	0	100	0	334						
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 74
School:	Embden 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	0	0	6	10	1295	9
	2006-2007	2	18	5	8	1985	14
	2007-2008	**1**	**9**	**4**	**9**	**2277**	**17**
	Cum. Total*	3	9	15	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	8	67	26	41	6852	49
	2006-2007	8	73	34	57	6990	51
	2007-2008	**7**	**64**	**25**	**53**	**6764**	**50**
	Cum. Total*	23	68	85	50	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	3	25	21	33	4081	29
	2006-2007	1	9	16	27	3673	27
	2007-2008	**3**	**27**	**15**	**32**	**3504**	**26**
	Cum. Total*	7	21	52	31	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	8	10	16	1638	12
	2006-2007	0	0	5	8	1193	9
	2007-2008	**0**	**0**	**3**	**6**	**1044**	**8**
	Cum. Total*	1	3	18	11	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**	10.1	67.3	8.9	59.3	9.2	61.3
Cluster 2: Shape and Size	**14**	**29**	9.1	65.0	9.7	69.3	10.0	71.4
Cluster 3: Mathematical Decision Making	**5**	**10**	2.5	50.0	2.9	58.0	3.2	64.0
Cluster 4: Patterns	**14**	**29**	10.6	75.7	9.0	64.3	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 74
School: Embden 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	11	1	9	7	64	3	27	0	0	348	47	9	53	32	6	346	13589	17	50	26	8	347
Ethnicity																						
African American/Black	0										0						390	10	30	32	28	337
American Indian or Native Alaskan	1										1						113	7	45	38	10	342
Asian or Pacific Islander	0										0						204	18	48	25	9	347
Hispanic	0										0						159	6	50	31	13	342
Caucasian/White	10	1	10	6	60	3	30	0	0	348	46	9	52	33	7	345	12723	17	50	25	7	348
Not Reported	0										0						0					
Identified disability																						
Yes	1										7	0	29	43	29	333	2208	6	35	37	21	338
No	10	1	10	7	70	2	20	0	0	350	40	10	58	30	3	348	11381	19	53	24	5	349
Current LEP																						
Yes	0										0						357	8	29	37	26	336
No	11	1	9	7	64	3	27	0	0	348	47	9	53	32	6	346	13232	17	50	25	7	348
Economically disadvantaged																						
Yes	4										30	3	57	30	10	343	5452	9	45	33	12	343
No	7	1	14	4	57	2	29	0	0	350	17	18	47	35	0	350	8137	22	53	21	4	350
Migrant																						
Yes	0										0						5	0	40	40	20	337
No	11	1	9	7	64	3	27	0	0	348	47	9	53	32	6	346	13584	17	50	26	8	347
Gender																						
Female	7	0	0	4	57	3	43	0	0	345	21	10	48	38	5	346	6565	15	49	27	8	347
Male	4										26	8	58	27	8	345	7024	18	50	24	7	348
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	2										11	0	45	55	0	339	2004	5	39	41	15	339
No	9	1	11	5	56	3	33	0	0	348	36	11	56	25	8	348	11585	19	52	23	6	349
Gifted/talented program																						
Yes	0										0						125	70	30	0	0	366
No	11	1	9	7	64	3	27	0	0	348	47	9	53	32	6	346	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 74
School: Embden 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										4	0	50	50	0	342	6	9	40	33	18	340
B. less than one hour	100	1	9	7	64	3	27	0	0	348	70	13	53	34	0	348	79	18	52	24	6	348
C. one to two hours	0										24	0	55	18	27	341	12	16	48	27	8	347
D. more than two hours	0										2	0	0	100	0	328	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.	27	1	33	1	33	1	33	0	0	349	43	20	50	20	10	349	37	22	50	22	6	350
B. They match some of what I have learned.	64	0	0	5	71	2	29	0	0	348	48	0	59	41	0	345	46	16	53	25	6	348
C. They match just a little of what I have learned.	9	0	0	1	100	0	0	0	0	348	7	0	33	67	0	341	12	9	44	36	11	342
D. There is no match.	0										2	0	0	0	100	316	5	5	32	36	27	336
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	45	1	20	4	80	0	0	0	0	354	39	12	65	12	12	348	39	25	48	20	7	350
B. good	27	0	0	2	67	1	33	0	0	347	43	5	53	42	0	345	46	14	52	27	7	347
C. fair	27	0	0	1	33	2	67	0	0	340	16	14	29	57	0	346	12	8	49	35	9	343
D. poor	0										2	0	0	0	100	316	3	2	34	36	29	335
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	27	0	0	2	67	1	33	0	0	348	13	0	67	17	17	345	17	7	41	35	17	340
B. about the same as my regular schoolwork	64	1	14	4	57	2	29	0	0	347	80	11	49	35	5	346	59	18	53	24	5	349
C. easier than my regular schoolwork	9	0	0	1	100	0	0	0	0	354	7	0	67	33	0	348	25	21	49	23	8	349
How often do you use hands-on materials in mathematics class?																						
A. almost every day	36	1	25	3	75	0	0	0	0	354	39	11	50	33	6	345	32	13	47	30	10	345
B. two or three days a week	27	0	0	2	67	1	33	0	0	345	30	14	64	21	0	351	30	20	52	23	5	349
C. two or three times each month	9	0	0	1	100	0	0	0	0	350	17	0	50	38	13	342	19	20	53	21	6	350
D. never or almost never	27	0	0	1	33	2	67	0	0	344	13	0	33	50	17	338	18	16	50	27	8	347
How often do you use calculators in mathematics class?																						
A. almost every day	0										13	0	33	33	33	333	7	5	34	40	20	338
B. two or three days a week	0										9	50	25	25	0	358	18	15	50	27	8	346
C. two or three times each month	18	0	0	1	50	1	50	0	0	340	24	0	64	36	0	345	28	21	53	21	4	350
D. never or almost never	82	1	11	6	67	2	22	0	0	350	53	4	58	33	4	346	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	27	0	0	2	67	1	33	0	0	343	13	0	50	33	17	336	16	8	42	36	13	342
B. 30–45 minutes	36	0	0	4	100	0	0	0	0	351	54	4	60	32	4	346	30	14	53	26	7	347
C. 45–60 minutes	27	1	33	1	33	1	33	0	0	352	22	30	40	30	0	354	32	22	51	22	5	350
D. more than 60 minutes	9	0	0	0	0	1	100	0	0	340	11	0	40	40	20	338	22	20	49	23	7	349
Optional school/SAU question																						
A.	0										100	0	100	0	0	346						
B.	0										0											
C.	0										0											
D.	0										0											

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