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:	11371364
SAU:	Rangeley School Department
School:	Rangeley Lakes Regional 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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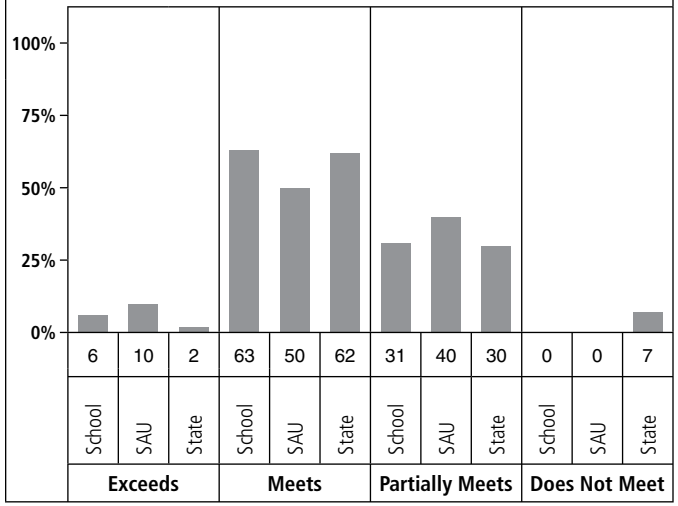
SUMMARY OF SCORES

Test Date:	March 2008
Grade:	3
SAU:	Rangeley School Department
School:	Rangeley Lakes Regional School

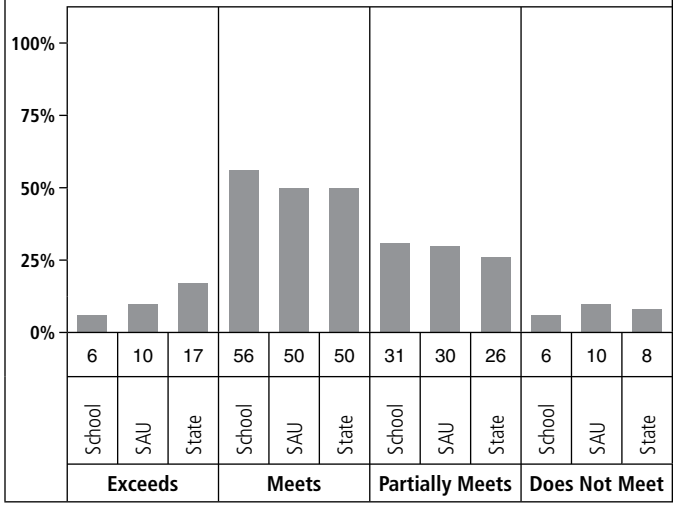
Summary of School, SAU, and State Scores

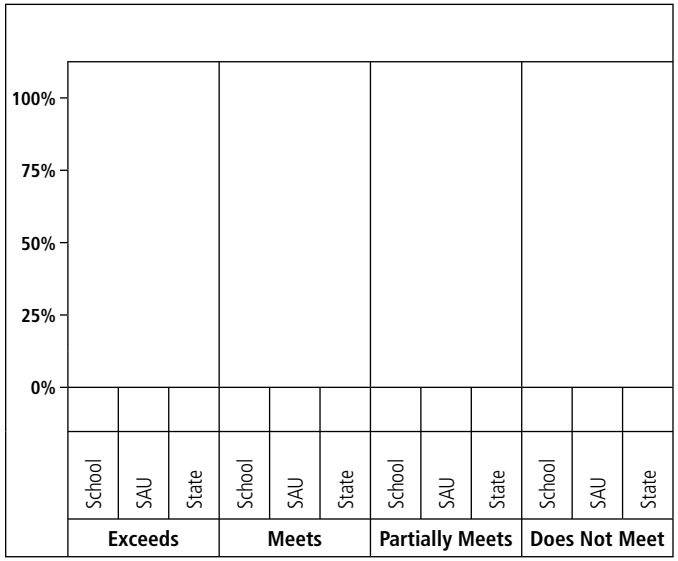
Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	342	342	345
2006–2007	346	347	345
2007–2008	**346**	**347**	**344**
Cum. Avg.*	345	345	345
Mathematics			
2005–2006	341	343	344
2006–2007	347	350	347
2007–2008	**346**	**346**	**347**
Cum. Avg.*	345	346	346

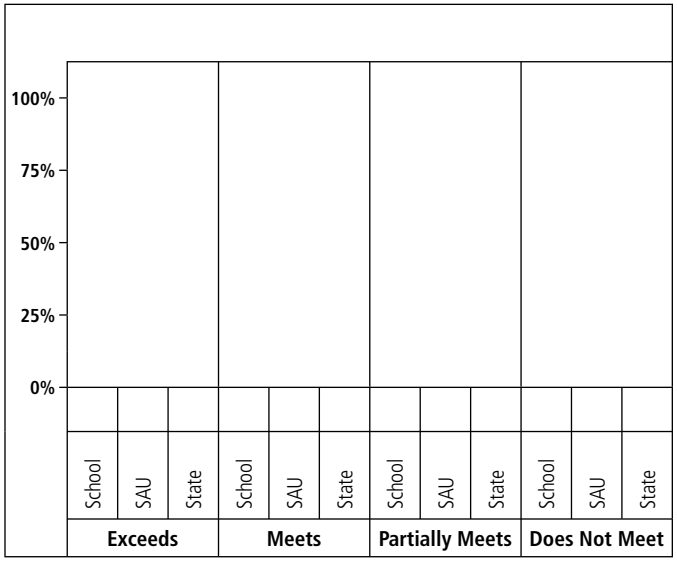
ELA – READING



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: Rangeley School Department
School: Rangeley Lakes Regional 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	16	100	10	100	13803	100	16	100	10	100	13714	99	16	100	10	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	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	0	0	162	1	0	0	0	0	158	98	0	0	0	0	159	98												
Caucasian/White	16	100	10	100	12916	94	16	100	10	100	12846	100	16	100	10	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	19	2	20	2358	17	3	100	2	100	2333	99	3	100	2	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	7	44	5	50	5584	40	7	100	5	100	5535	99	7	100	5	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	13	81	8	80	10650	77	13	81	8	80	10678	77												
Identified disability (PET/IEP)	1	8	1	13	475	4	1	8	1	13	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	3	19	2	20	2936	21	3	19	2	20	2911	21												
Identified disability (PET/IEP)	2	67	1	50	1735	59	2	67	1	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	33	1	50	986	34	1	33	1	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:	Rangeley School Department
School:	Rangeley Lakes Regional 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	0	0	352	3
	2006-2007	0	0	0	0	332	2
	2007-2008	**1**	**6**	**1**	**10**	**227**	**2**
	Cum. Total*	1	2	1	3	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	7	64	6	67	8641	62
	2006-2007	10	71	8	80	8691	63
	2007-2008	**10**	**63**	**5**	**50**	**8403**	**62**
	Cum. Total*	27	66	19	66	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	2	18	1	11	3671	27
	2006-2007	3	21	1	10	3781	27
	2007-2008	**5**	**31**	**4**	**40**	**4018**	**30**
	Cum. Total*	10	24	6	21	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	2	18	2	22	1163	8
	2006-2007	1	7	1	10	1021	7
	2007-2008	**0**	**0**	**0**	**0**	**938**	**7**
	Cum. Total*	3	7	3	10	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	29.5	64.1	27.6	60.0
Literary Text	**23**	**50**	14.3	62.2	14.5	63.0	14.1	61.3
Informational Text	**23**	**50**	14.4	62.6	15.0	65.2	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: Rangeley School Department
School: Rangeley Lakes Regional 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	16	1	6	10	63	5	31	0	0	346	10	10	50	40	0	347	13586	2	62	30	7	344
Ethnicity																						
African American/Black	0										0						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										0						158	1	52	36	11	342
Caucasian/White	16	1	6	10	63	5	31	0	0	346	10	10	50	40	0	347	12728	2	63	29	7	345
Not Reported	0										0						0					
Identified disability																						
Yes	3										2						2210	0	32	48	20	338
No	13	1	8	7	54	5	38	0	0	346	8	13	38	50	0	347	11376	2	68	26	4	346
Current LEP																						
Yes	0										0						348	1	36	45	19	339
No	16	1	6	10	63	5	31	0	0	346	10	10	50	40	0	347	13238	2	63	29	7	344
Economically disadvantaged																						
Yes	7	0	0	5	71	2	29	0	0	345	5	0	60	40	0	345	5450	1	49	39	11	341
No	9	1	11	5	56	3	33	0	0	347	5	20	40	40	0	349	8136	2	71	23	4	346
Migrant																						
Yes	0										0						5	0	80	20	0	343
No	16	1	6	10	63	5	31	0	0	346	10	10	50	40	0	347	13581	2	62	30	7	344
Gender																						
Female	6	1	17	2	33	3	50	0	0	346	3						6567	3	65	27	5	345
Male	10	0	0	8	80	2	20	0	0	346	7	0	71	29	0	347	7019	1	59	32	8	343
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						2004	0	37	49	14	339
No	16	1	6	10	63	5	31	0	0	346	10	10	50	40	0	347	11582	2	66	26	6	345
Gifted/talented program																						
Yes	0										0						125	11	87	2	0	355
No	16	1	6	10	63	5	31	0	0	346	10	10	50	40	0	347	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: Rangeley School Department
School: Rangeley Lakes Regional 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										0						6	0	43	39	18	340
B. less than one hour	44	0	0	4	57	3	43	0	0	345	50	0	40	60	0	343	79	2	65	28	5	345
C. one to two hours	50	1	13	5	63	2	25	0	0	347	40	25	50	25	0	352	12	2	60	31	7	344
D. more than two hours	6	0	0	1	100	0	0	0	0	346	10	0	100	0	0	346	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.	44	1	14	3	43	3	43	0	0	346	60	17	33	50	0	346	29	3	62	28	7	345
B. They match some of what I have learned.	38	0	0	5	83	1	17	0	0	346	20	0	100	0	0	350	48	2	67	27	4	345
C. They match just a little of what I have learned.	6	0	0	0	0	1	100	0	0	340	10	0	0	100	0	340	15	1	56	34	9	343
D. There is no match.	13	0	0	2	100	0	0	0	0	348	10	0	100	0	0	352	8	0	44	40	16	340
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	25	1	25	3	75	0	0	0	0	352	30	33	67	0	0	354	42	3	67	24	6	346
B. good	69	0	0	6	55	5	45	0	0	344	60	0	33	67	0	343	46	1	62	32	5	344
C. fair	6	0	0	1	100	0	0	0	0	346	10	0	100	0	0	346	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	31	0	0	4	80	1	20	0	0	344	20	0	50	50	0	343	22	1	48	38	12	341
B. about the same as my regular schoolwork	38	0	0	3	50	3	50	0	0	345	40	0	50	50	0	345	57	2	68	26	4	346
C. easier than my regular schoolwork	31	1	20	3	60	1	20	0	0	349	40	25	50	25	0	351	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.	25	0	0	3	75	1	25	0	0	344	20	0	50	50	0	343	20	0	38	47	16	339
B. Most of the passages were about the same as what I normally read.	50	0	0	4	50	4	50	0	0	343	40	0	25	75	0	343	51	2	68	27	4	345
C. Most of the passages were easier than what I normally read.	25	1	25	3	75	0	0	0	0	353	40	25	75	0	0	353	29	3	69	23	6	346
How much time do you spend reading at home each day?																						
A. more than one hour	6	0	0	0	0	1	100	0	0	336	0						19	3	65	27	6	346
B. 20 minutes to an hour	63	1	10	6	60	3	30	0	0	348	80	13	50	38	0	348	47	2	68	25	5	346
C. less than 20 minutes	13	0	0	2	100	0	0	0	0	346	10	0	100	0	0	348	19	1	56	35	8	343
D. I rarely read at home.	19	0	0	2	67	1	33	0	0	342	10	0	0	100	0	338	14	0	47	40	12	341
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	25	0	0	2	50	2	50	0	0	342	20	0	0	100	0	339	28	1	56	33	9	343
B. six to ten pages	38	0	0	3	50	3	50	0	0	343	30	0	33	67	0	342	23	1	63	29	7	344
C. eleven or more pages	38	1	17	5	83	0	0	0	0	351	50	20	80	0	0	353	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:	Rangeley School Department
School:	Rangeley Lakes Regional 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	0	0	1295	9
	2006-2007	2	14	1	10	1985	14
	2007-2008	**1**	**6**	**1**	**10**	**2277**	**17**
	Cum. Total*	3	7	2	7	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	6	55	5	56	6852	49
	2006-2007	7	50	6	60	6990	51
	2007-2008	**9**	**56**	**5**	**50**	**6764**	**50**
	Cum. Total*	22	54	16	55	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	27	3	33	4081	29
	2006-2007	4	29	3	30	3673	27
	2007-2008	**5**	**31**	**3**	**30**	**3504**	**26**
	Cum. Total*	12	29	9	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	2	18	1	11	1638	12
	2006-2007	1	7	0	0	1193	9
	2007-2008	**1**	**6**	**1**	**10**	**1044**	**8**
	Cum. Total*	4	10	2	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**	9.1	60.7	8.6	57.3	9.2	61.3
Cluster 2: Shape and Size	**14**	**29**	10.7	76.4	11.1	79.3	10.0	71.4
Cluster 3: Mathematical Decision Making	**5**	**10**	2.7	54.0	2.6	52.0	3.2	64.0
Cluster 4: Patterns	**14**	**29**	8.5	60.7	8.5	60.7	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: Rangeley School Department
School: Rangeley Lakes Regional 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	16	1	6	9	56	5	31	1	6	346	10	10	50	30	10	346	13589	17	50	26	8	347
Ethnicity																						
African American/Black	0										0						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										0						159	6	50	31	13	342
Caucasian/White	16	1	6	9	56	5	31	1	6	346	10	10	50	30	10	346	12723	17	50	25	7	348
Not Reported	0										0						0					
Identified disability																						
Yes	3										2						2208	6	35	37	21	338
No	13	1	8	6	46	5	38	1	8	345	8	13	38	38	13	345	11381	19	53	24	5	349
Current LEP																						
Yes	0										0						357	8	29	37	26	336
No	16	1	6	9	56	5	31	1	6	346	10	10	50	30	10	346	13232	17	50	25	7	348
Economically disadvantaged																						
Yes	7	0	0	4	57	2	29	1	14	344	5	0	40	40	20	340	5452	9	45	33	12	343
No	9	1	11	5	56	3	33	0	0	348	5	20	60	20	0	352	8137	22	53	21	4	350
Migrant																						
Yes	0										0						5	0	40	40	20	337
No	16	1	6	9	56	5	31	1	6	346	10	10	50	30	10	346	13584	17	50	26	8	347
Gender																						
Female	6	0	0	4	67	2	33	0	0	344	3						6565	15	49	27	8	347
Male	10	1	10	5	50	3	30	1	10	348	7	14	43	29	14	347	7024	18	50	24	7	348
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						2004	5	39	41	15	339
No	16	1	6	9	56	5	31	1	6	346	10	10	50	30	10	346	11585	19	52	23	6	349
Gifted/talented program																						
Yes	0										0						125	70	30	0	0	366
No	16	1	6	9	56	5	31	1	6	346	10	10	50	30	10	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: Rangeley School Department
School: Rangeley Lakes Regional 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										0						6	9	40	33	18	340
B. less than one hour	44	0	0	3	43	4	57	0	0	341	50	0	40	60	0	341	79	18	52	24	6	348
C. one to two hours	50	1	13	6	75	1	13	0	0	354	40	25	75	0	0	359	12	16	48	27	8	347
D. more than two hours	6	0	0	0	0	0	0	1	100	324	10	0	0	0	100	324	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.	19	0	0	2	67	0	0	1	33	341	30	0	67	0	33	341	37	22	50	22	6	350
B. They match some of what I have learned.	69	1	9	6	55	4	36	0	0	347	70	14	43	43	0	348	46	16	53	25	6	348
C. They match just a little of what I have learned.	13	0	0	1	50	1	50	0	0	347	0						12	9	44	36	11	342
D. There is no match.	0										0						5	5	32	36	27	336
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	57	1	13	5	63	1	13	1	13	350	63	20	60	0	20	351	39	25	48	20	7	350
B. good	36	0	0	3	60	2	40	0	0	343	25	0	50	50	0	340	46	14	52	27	7	347
C. fair	7	0	0	0	0	1	100	0	0	336	13	0	0	100	0	336	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	6	0	0	1	100	0	0	0	0	354	0						17	7	41	35	17	340
B. about the same as my regular schoolwork	56	1	11	4	44	4	44	0	0	347	60	17	50	33	0	350	59	18	53	24	5	349
C. easier than my regular schoolwork	38	0	0	4	67	1	17	1	17	344	40	0	50	25	25	341	25	21	49	23	8	349
How often do you use hands-on materials in mathematics class?																						
A. almost every day	31	0	0	3	60	2	40	0	0	346	30	0	67	33	0	346	32	13	47	30	10	345
B. two or three days a week	31	1	20	2	40	2	40	0	0	351	30	33	33	33	0	353	30	20	52	23	5	349
C. two or three times each month	19	0	0	2	67	1	33	0	0	345	20	0	50	50	0	346	19	20	53	21	6	350
D. never or almost never	19	0	0	2	67	0	0	1	33	341	20	0	50	0	50	336	18	16	50	27	8	347
How often do you use calculators in mathematics class?																						
A. almost every day	6	0	0	0	0	1	100	0	0	340	0						7	5	34	40	20	338
B. two or three days a week	19	0	0	1	33	2	67	0	0	339	30	0	33	67	0	339	18	15	50	27	8	346
C. two or three times each month	38	1	17	4	67	1	17	0	0	353	30	33	67	0	0	362	28	21	53	21	4	350
D. never or almost never	38	0	0	4	67	1	17	1	17	344	40	0	50	25	25	340	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	13	0	0	1	50	1	50	0	0	340	10	0	0	100	0	328	16	8	42	36	13	342
B. 30–45 minutes	25	0	0	2	50	1	25	1	25	340	30	0	67	0	33	340	30	14	53	26	7	347
C. 45–60 minutes	63	1	10	6	60	3	30	0	0	350	60	17	50	33	0	352	32	22	51	22	5	350
D. more than 60 minutes	0										0						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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