July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

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

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

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

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

Sincerely,

Susan A. Gendron
Commissioner of Education

MEA
Maine Educational Assessment

School Report
Grade 5

Test Date:	March 2009
Code:	12451689
SAU:	MSAD 51
School:	North Yarmouth Memorial 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.

Topic ***Page***

Summary of Scores 2
Summary of Student Participation 3
English Language Arts – Reading Results 4-6
Mathematics Results. 7-9
Science Results 10-12

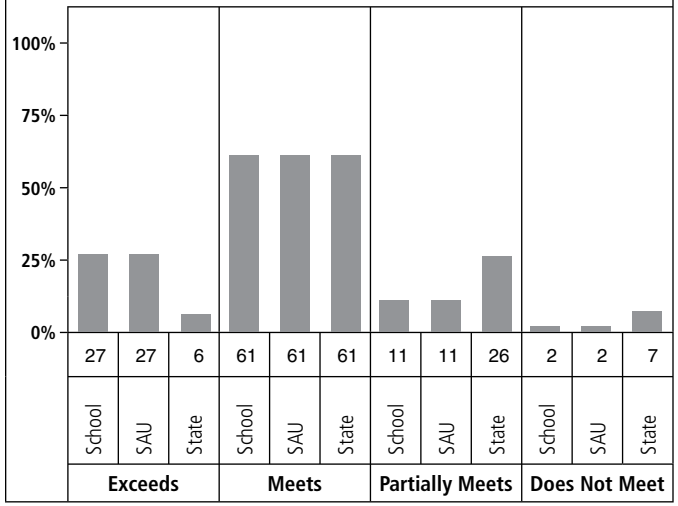
SUMMARY OF SCORES

Test Date: March 2009
Grade: 5
SAU: MSAD 51
School: North Yarmouth Memorial School

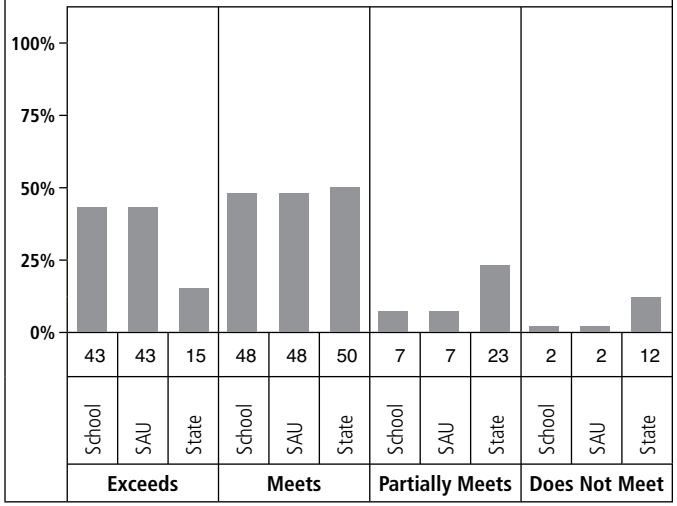
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	552	552	544
2007–2008	553	553	545
2008–2009	**556**	**556**	**546**
Cum. Avg.*	554	554	545
Mathematics			
2006–2007	556	556	546
2007–2008	557	557	546
2008–2009	**559**	**559**	**547**
Cum. Avg.*	557	557	546
Science			
2008-2009 **	**549**	**549**	**543**

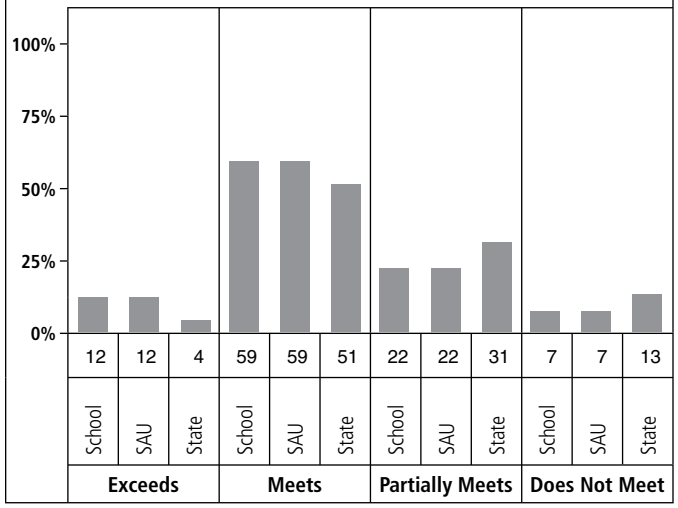
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.
**Because science testing moved from grade 4 to grade 5 in March 2009, science standards were reset and therefore no historical data are available.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 5
SAU: MSAD 51
School: North Yarmouth Memorial School

CATEGORY OF PARTICIPATION	Enrollment[1] during testing window						CONTENT AREA PARTICIPATION[2]																	
							ELA–Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	182	100	182	100	14212	100	182	100	182	100	14135	100	182	100	182	100	14144	100	182	100	182	100	14137	100
Ethnicity African American/Black	1	1	1	1	397	3	1	100	1	100	388	98	1	100	1	100	393	99	1	100	1	100	389	98
American Indian or Native Alaskan	0	0	0	0	110	1	0	0	0	0	110	100	0	0	0	0	110	100	0	0	0	0	110	100
Asian or Pacific Islander	5	3	5	3	259	2	5	100	5	100	253	98	5	100	5	100	258	100	5	100	5	100	257	99
Hispanic	1	1	1	1	175	1	1	100	1	100	172	99	1	100	1	100	172	99	1	100	1	100	173	99
Caucasian/White	175	96	175	96	13271	93	175	100	175	100	13212	100	175	100	175	100	13211	100	175	100	175	100	13208	100
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	25	14	25	14	2479	17	25	100	25	100	2454	100	25	100	25	100	2455	100	25	100	25	100	2451	99
Current LEP	0	0	0	0	374	3	0	0	0	0	359	96	0	0	0	0	370	99	0	0	0	0	366	98
Economically disadvantaged	11	6	11	6	5848	41	11	100	11	100	5815	100	11	100	11	100	5819	100	11	100	11	100	5812	100
Migrant	0	0	0	0	8	0	0	0	0	0	8	100	0	0	0	0	8	100	0	0	0	0	8	100

MODE OF PARTICIPATION[3]	ELA–Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	159	87	159	87	10849	76	159	87	159	87	10872	76	159	87	159	87	10976	77
Identified disability (PET/IEP)	3	2	3	2	298	3	3	2	3	2	307	3	3	2	3	2	338	3
LEP	0	0	0	0	170	2	0	0	0	0	169	2	0	0	0	0	177	2
504 plan	2	1	2	1	123	1	2	1	2	1	121	1	2	1	2	1	126	1
Participation with accommodations	21	12	21	12	3122	22	21	12	21	12	3124	22	21	12	21	12	3019	21
Identified disability (PET/IEP)	20	95	20	95	1992	64	20	95	20	95	2000	64	20	95	20	95	1971	65
LEP	0	0	0	0	184	6	0	0	0	0	196	6	0	0	0	0	184	6
504 plan	0	0	0	0	84	3	0	0	0	0	86	3	0	0	0	0	81	3
Other	1	5	1	5	907	29	1	5	1	5	886	28	1	5	1	5	826	27
Participation through alternate assessment (PAAP)	2	1	2	1	164	1	2	1	2	1	148	1	2	1	2	1	142	1
Identified disability (PET/IEP)	2	100	2	100	164	100	2	100	2	100	148	100	2	100	2	100	142	100
LEP	0	0	0	0	5	3	0	0	0	0	5	3	0	0	0	0	5	4
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	0	0	0	0	19	0	0	0	0	0	19	0	0	0	0	0	20	0
Non-participation – other	0	0	0	0	58	0	0	0	0	0	49	0	0	0	0	0	55	0

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

ELA–READING RESULTS

Test Date:	March 2009
Grade:	5
SAU:	MSAD 51
School:	North Yarmouth Memorial School

ACHIEVEMENT LEVEL DEFINITIONS

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

		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student's work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 562–580)	2006-2007	38	22	38	21	702	5
	2007-2008	31	18	31	18	659	5
	2008-2009	**49**	**27**	**49**	**27**	**836**	**6**
	Cum. Total*	118	23	118	22	2197	5
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 542–560)	2006-2007	110	64	113	64	7730	55
	2007-2008	121	71	121	71	8195	58
	2008-2009	**109**	**61**	**109**	**61**	**8495**	**61**
	Cum. Total*	340	65	343	65	24420	58
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 532–540)	2006-2007	19	11	20	11	4182	30
	2007-2008	15	9	15	9	3800	27
	2008-2009	**19**	**11**	**19**	**11**	**3667**	**26**
	Cum. Total*	53	10	54	10	11649	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 500–530)	2006-2007	6	3	6	3	1419	10
	2007-2008	4	2	4	2	1362	10
	2008-2009	**3**	**2**	**3**	**2**	**973**	**7**
	Cum. Total*	13	2	13	2	3754	9

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	**48**	**100**	36.8	76.7	36.8	76.7	30.8	64.2
A1/A2 Interconnected Elements/Literary Text	**24**	**50**	18.0	75.0	18.0	75.0	15.0	62.5
A1/A3 Interconnected Elements/Informational Text	**24**	**50**	18.8	78.3	18.8	78.3	15.8	65.8

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

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

ELA-READING RESULTS
(CONTINUED)

Test Date: March 2009
Grade: 5
SAU: MSAD 51
School: North Yarmouth Memorial 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	180	49	27	109	61	19	11	3	2	556	180	27	61	11	2	556	13971	6	61	26	7	546
Ethnicity																						
African American/Black	1										1						381	2	44	31	23	540
American Indian or Native Alaskan	0										0						110	0	48	38	14	541
Asian or Pacific Islander	5	1	20	4	80	0	0	0	0	558	5	20	80	0	0	558	252	11	58	21	11	547
Hispanic	1										1						166	4	54	32	10	543
Caucasian/White	173	48	28	103	60	19	11	3	2	556	173	28	60	11	2	556	13062	6	62	26	6	546
Not Reported	0										0						0					
Identified disability																						
Yes	23	1	4	7	30	12	52	3	13	542	23	4	30	52	13	542	2290	0	29	47	23	537
No	157	48	31	102	65	7	4	0	0	558	157	31	65	4	0	558	11681	7	67	22	4	548
Current LEP																						
Yes	0										0						354	1	35	34	30	538
No	180	49	27	109	61	19	11	3	2	556	180	27	61	11	2	556	13617	6	61	26	6	546
Economically disadvantaged																						
Yes	11	1	9	6	55	2	18	2	18	547	11	9	55	18	18	547	5716	2	51	35	12	542
No	169	48	28	103	61	17	10	1	1	556	169	28	61	10	1	556	8255	9	67	20	4	548
Migrant																						
Yes	0										0						8	0	38	25	38	538
No	180	49	27	109	61	19	11	3	2	556	180	27	61	11	2	556	13963	6	61	26	7	546
Gender																						
Female	95	27	28	58	61	10	11	0	0	557	95	28	61	11	0	557	6882	8	62	24	6	547
Male	85	22	26	51	60	9	11	3	4	555	85	26	60	11	4	555	7089	4	60	28	8	545
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						1914	1	41	44	14	540
No	180	49	27	109	61	19	11	3	2	556	180	27	61	11	2	556	12057	7	64	23	6	547
Gifted/talented program																						
Yes	9	6	67	3	33	0	0	0	0	570	9	67	33	0	0	570	450	26	72	2	0	557
No	171	43	25	106	62	19	11	3	2	555	171	25	62	11	2	555	13521	5	60	27	7	545

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

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

ELA-READING RESULTS
(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: MSAD 51
School: North Yarmouth Memorial 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						4	2	40	34	24	540
B. less than one hour	68	37	30	68	56	15	12	2	2	556	68	30	56	12	2	556	70	6	63	26	6	546
C. one to two hours	31	12	21	39	70	4	7	1	2	556	31	21	70	7	2	556	24	7	61	26	6	546
D. more than two hours	1	0	0	1	100	0	0	0	0	558	1	0	100	0	0	558	2	4	42	33	21	541
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	34	24	40	34	57	2	3	0	0	561	34	40	57	3	0	561	36	10	67	18	5	549
B. good	51	22	24	61	66	7	8	2	2	555	51	24	66	8	2	555	47	5	62	27	6	546
C. fair	14	3	12	12	48	10	40	0	0	548	14	12	48	40	0	548	15	2	47	40	12	541
D. poor	1	0	0	1	50	0	0	1	50	538	1	0	50	0	50	538	2	0	30	46	24	537
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.	31	17	30	31	55	6	11	2	4	556	31	30	55	11	4	556	31	9	65	20	5	548
B. They match some of what I have learned.	58	27	26	67	65	8	8	1	1	556	58	26	65	8	1	556	55	5	63	27	5	546
C. They match just a little of what I have learned.	9	5	29	10	59	2	12	0	0	557	9	29	59	12	0	557	10	3	45	38	14	542
D. There is no match.	2	0	0	0	0	3	100	0	0	538	2	0	0	100	0	538	3	1	31	41	27	537
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	15	5	19	17	65	4	15	0	0	555	15	19	65	15	0	555	16	3	49	32	15	542
B. about the same as my regular schoolwork	70	38	30	76	60	10	8	2	2	557	70	30	60	8	2	557	64	7	63	25	5	547
C. easier than my regular schoolwork	15	6	22	15	56	5	19	1	4	552	15	22	56	19	4	552	20	5	62	26	7	546
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	6	1	9	7	64	3	27	0	0	550	6	9	64	27	0	550	10	1	33	42	24	538
B. Most of the passages were about the same as what I normally read.	46	18	22	46	57	14	17	3	4	552	46	22	57	17	4	552	52	4	61	29	6	545
C. Most of the passages were easier than what I normally read.	48	30	35	54	63	2	2	0	0	560	48	35	63	2	0	560	38	10	68	18	4	549
How much time do you spend reading at home each day?																						
A. more than one hour	16	10	34	16	55	3	10	0	0	559	16	34	55	10	0	559	20	10	64	21	5	548
B. 20 minutes to an hour	74	37	28	81	61	13	10	2	2	556	74	28	61	10	2	556	56	7	65	24	5	547
C. less than 20 minutes	7	1	8	9	75	2	17	0	0	551	7	8	75	17	0	551	10	3	52	33	12	543
D. I rarely read at home.	3	1	17	3	50	1	17	1	17	550	3	17	50	17	17	550	14	1	46	38	14	541
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	14	4	16	18	72	2	8	1	4	554	14	16	72	8	4	554	25	3	53	33	11	543
B. six to ten pages	16	7	25	16	57	4	14	1	4	555	16	25	57	14	4	555	26	6	61	26	7	546
C. eleven or more pages	70	38	30	74	59	13	10	1	1	556	70	30	59	10	1	556	49	8	65	23	5	547
Optional school/SAU question																						
A.	0										0											
B.	100	1	50	0	0	1	50	0	0	558	100	50	0	50	0	558						
C.	0										0											
D.	0										0											

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

MATHEMATICS RESULTS

Test Date:	March 2009
Grade:	5
SAU:	MSAD 51
School:	North Yarmouth Memorial School

ACHIEVEMENT LEVEL DEFINITIONS

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

		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student's work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student's responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 562–580)	2006-2007	53	31	53	30	1711	12
	2007-2008	54	32	54	32	1617	12
	2008-2009	**77**	**43**	**77**	**43**	**2119**	**15**
	Cum. Total*	184	35	184	35	5447	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 542–560)	2006-2007	94	54	97	55	6778	48
	2007-2008	95	56	95	56	7284	52
	2008-2009	**87**	**48**	**87**	**48**	**7046**	**50**
	Cum. Total*	276	53	279	53	21108	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 530–540)	2006-2007	22	13	23	13	3884	28
	2007-2008	20	12	20	12	3341	24
	2008-2009	**12**	**7**	**12**	**7**	**3193**	**23**
	Cum. Total*	54	10	55	10	10418	25
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 500–528)	2006-2007	4	2	4	2	1683	12
	2007-2008	2	1	2	1	1778	13
	2008-2009	**4**	**2**	**4**	**2**	**1638**	**12**
	Cum. Total*	10	2	10	2	5099	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	**48**	**100**	33.3	69.4	33.3	69.4	25.5	53.1
A. Number	**18**	**38**	13.2	73.3	13.2	73.3	9.8	54.4
B. Data	**10**	**21**	6.8	68.0	6.8	68.0	5.2	52.0
C. Geometry	**10**	**21**	6.0	60.0	6.0	60.0	4.7	47.0
D. Algebra	**10**	**21**	7.4	74.0	7.4	74.0	5.7	57.0

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

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

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

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

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

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

MATHEMATICS RESULTS
(CONTINUED)

Test Date: March 2009
Grade: 5
SAU: MSAD 51
School: North Yarmouth Memorial 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	180	77	43	87	48	12	7	4	2	559	180	43	48	7	2	559	13996	15	50	23	12	547
Ethnicity																						
African American/Black	1										1						385	6	35	28	30	537
American Indian or Native Alaskan	0										0						110	5	42	34	20	540
Asian or Pacific Islander	5	2	40	3	60	0	0	0	0	559	5	40	60	0	0	559	257	19	50	20	12	548
Hispanic	1										1						166	9	43	31	17	543
Caucasian/White	173	75	43	83	48	11	6	4	2	559	173	43	48	6	2	559	13078	15	51	23	11	547
Not Reported	0										0						0					
Identified disability																						
Yes	23	3	13	10	43	6	26	4	17	544	23	13	43	26	17	544	2307	3	32	32	33	536
No	157	74	47	77	49	6	4	0	0	562	157	47	49	4	0	562	11689	17	54	21	8	549
Current LEP																						
Yes	0										0						365	5	33	30	32	536
No	180	77	43	87	48	12	7	4	2	559	180	43	48	7	2	559	13631	15	51	23	11	547
Economically disadvantaged																						
Yes	11	0	0	7	64	3	27	1	9	544	11	0	64	27	9	544	5731	7	46	29	18	542
No	169	77	46	80	47	9	5	3	2	560	169	46	47	5	2	560	8265	21	53	19	7	550
Migrant																						
Yes	0										0						8	0	38	50	13	540
No	180	77	43	87	48	12	7	4	2	559	180	43	48	7	2	559	13988	15	50	23	12	547
Gender																						
Female	95	36	38	53	56	4	4	2	2	559	95	38	56	4	2	559	6889	14	51	23	12	546
Male	85	41	48	34	40	8	9	2	2	560	85	48	40	9	2	560	7107	16	50	23	11	547
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						1918	3	39	36	22	539
No	180	77	43	87	48	12	7	4	2	559	180	43	48	7	2	559	12078	17	52	21	10	548
Gifted/talented program																						
Yes	9	8	89	1	11	0	0	0	0	574	9	89	11	0	0	574	450	64	34	2	0	564
No	171	69	40	86	50	12	7	4	2	559	171	40	50	7	2	559	13546	14	51	23	12	546

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

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

MATHEMATICS RESULTS
(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: MSAD 51
School: North Yarmouth Memorial 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						4	8	38	26	28	539
B. less than one hour	68	53	43	56	46	9	7	4	3	559	68	43	46	7	3	559	70	15	52	23	10	547
C. one to two hours	31	24	43	29	52	3	5	0	0	560	31	43	52	5	0	560	24	15	51	23	11	547
D. more than two hours	1	0	0	1	100	0	0	0	0	560	1	0	100	0	0	560	2	9	37	24	30	539
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	33	33	57	21	36	2	3	2	3	563	33	57	36	3	3	563	34	28	50	14	8	552
B. good	50	37	42	45	51	5	6	1	1	560	50	42	51	6	1	560	45	11	54	24	10	546
C. fair	16	4	14	19	68	4	14	1	4	552	16	14	68	14	4	552	18	3	45	33	19	540
D. poor	1	0	0	0	0	1	100	0	0	532	1	0	0	100	0	532	3	1	29	41	29	535
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.	38	35	51	26	38	5	7	2	3	559	38	51	38	7	3	559	38	22	52	19	7	550
B. They match some of what I have learned.	54	37	38	54	56	4	4	2	2	560	54	38	56	4	2	560	48	12	53	24	11	546
C. They match just a little of what I have learned.	8	5	36	6	43	3	21	0	0	556	8	36	43	21	0	556	11	6	40	30	24	540
D. There is no match.	1	0	0	1	100	0	0	0	0	554	1	0	100	0	0	554	3	6	26	29	38	534
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	12	5	24	11	52	4	19	1	5	554	12	24	52	19	5	554	17	7	42	30	21	540
B. about the same as my regular schoolwork	68	52	43	64	52	5	4	1	1	560	68	43	52	4	1	560	64	15	53	23	10	547
C. easier than my regular schoolwork	21	20	54	12	32	3	8	2	5	559	21	54	32	8	5	559	19	24	49	17	10	550
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	2	1	25	2	50	0	0	1	25	545	2	25	50	0	25	545	7	6	39	27	27	539
B. 30–45 minutes	9	6	38	7	44	2	13	1	6	552	9	38	44	13	6	552	28	9	49	28	15	544
C. 45–60 minutes	49	39	44	43	48	6	7	1	1	561	49	44	48	7	1	561	41	17	53	21	9	548
D. more than 60 minutes	39	31	44	35	49	4	6	1	1	560	39	44	49	6	1	560	24	21	51	20	8	549
How often do you use calculators in mathematics class?																						
A. almost every day	6	5	50	2	20	2	20	1	10	557	6	50	20	20	10	557	6	14	43	24	20	543
B. two or three days a week	41	36	49	33	45	3	4	1	1	562	41	49	45	4	1	562	24	17	52	21	10	548
C. two or three times each month	47	34	40	45	53	5	6	1	1	558	47	40	53	6	1	558	33	17	52	21	9	548
D. never or almost never	7	2	17	7	58	2	17	1	8	550	7	17	58	17	8	550	38	12	49	25	14	545
How often do you use hands-on materials in mathematics class?																						
A. almost every day	22	23	58	15	38	1	3	1	3	563	22	58	38	3	3	563	23	13	47	26	15	545
B. two or three days a week	40	28	39	38	53	5	7	1	1	559	40	39	53	7	1	559	31	17	52	21	10	548
C. two or three times each month	33	23	38	32	53	4	7	1	2	559	33	38	53	7	2	559	27	17	52	21	10	548
D. never or almost never	4	3	38	2	25	2	25	1	13	553	4	38	25	25	13	553	20	12	50	24	14	545
Optional school/SAU question																						
A.	0										0											
B.	100	0	0	1	50	1	50	0	0	546	100	0	50	50	0	546						
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

SCIENCE RESULTS

Test Date: March 2009
Grade: 5
SAU: MSAD 51
School: North Yarmouth Memorial School

ACHIEVEMENT LEVEL DEFINITIONS The quality of a student's work at each achievement level reflects progress in attaining Maine's *Learning Results: Parameters for Essential Instruction* in science.		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 science, 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, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 562–580)	2008-2009*	22	12	22	12	626	4
Meets the Standards – The student's work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student's responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 542–560)	2008-2009*	107	59	107	59	7187	51
Partially Meets the Standards – The student's work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student's responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 532–540)	2008-2009*	39	22	39	22	4364	31
Does Not Meet the Standards – The student's work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student's responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 500–530)	2008-2009*	12	7	12	7	1818	13

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	**48**	**100**	32.7	68.1	32.7	68.1	29.2	60.8
D. The Physical Setting	**24**	**50**	14.7	61.3	14.7	61.3	12.9	53.8
E. The Living Environment	**24**	**50**	18.0	75.0	18.0	75.0	16.3	67.9

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

Content Standard D. The Physical Setting
- D1 - Universe and Solar System
- D2 - Earth
- D3 - Matter and Energy
- D4 - Force and Motion

Content Standard E. The Living Environment
- E1 - Biodiversity
- E2 - Ecosystems
- E3 - Cells
- E4 - Heredity and Reproduction
- E5 - Evolution

*Standards were set for the new grade 5 science assessment in May 2009 so no historical data are available.

SCIENCE RESULTS
(CONTINUED)

Test Date: March 2009
Grade: 5
SAU: MSAD 51
School: North Yarmouth Memorial 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	180	22	12	107	59	39	22	12	7	549	180	12	59	22	7	549	13995	4	51	31	13	543
Ethnicity																						
African American/Black	1										1						382	2	31	32	35	535
American Indian or Native Alaskan	0										0						110	3	36	35	26	538
Asian or Pacific Islander	5	0	0	4	80	0	0	1	20	547	5	0	80	0	20	547	256	5	51	27	17	542
Hispanic	1										1						167	1	40	37	22	539
Caucasian/White	173	22	13	103	60	37	21	11	6	549	173	13	60	21	6	549	13080	5	52	31	12	544
Not Reported	0										0						0					
Identified disability																						
Yes	23	1	4	6	26	9	39	7	30	537	23	4	26	39	30	537	2309	2	29	39	29	536
No	157	21	13	101	64	30	19	5	3	551	157	13	64	19	3	551	11686	5	56	30	10	545
Current LEP																						
Yes	0										0						361	1	23	32	44	533
No	180	22	12	107	59	39	22	12	7	549	180	12	59	22	7	549	13634	5	52	31	12	544
Economically disadvantaged																						
Yes	11	0	0	2	18	7	64	2	18	536	11	0	18	64	18	536	5729	2	42	37	20	539
No	169	22	13	105	62	32	19	10	6	550	169	13	62	19	6	550	8266	6	58	27	8	546
Migrant																						
Yes	0										0						8	0	25	13	63	530
No	180	22	12	107	59	39	22	12	7	549	180	12	59	22	7	549	13987	4	51	31	13	543
Gender																						
Female	95	10	11	51	54	26	27	8	8	547	95	11	54	27	8	547	6886	4	49	33	14	542
Male	85	12	14	56	66	13	15	4	5	551	85	14	66	15	5	551	7109	5	54	29	12	544
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						1917	1	31	41	28	536
No	180	22	12	107	59	39	22	12	7	549	180	12	59	22	7	549	12078	5	55	30	11	544
Gifted/talented program																						
Yes	9	6	67	3	33	0	0	0	0	566	9	67	33	0	0	566	450	25	72	2	1	557
No	171	16	9	104	61	39	23	12	7	548	171	9	61	23	7	548	13545	4	51	32	13	543

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

SCIENCE RESULTS
(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: MSAD 51
School: North Yarmouth Memorial 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						4	2	37	35	25	538
B. less than one hour	68	13	11	73	60	26	21	10	8	549	68	11	60	21	8	549	70	4	53	31	12	544
C. one to two hours	31	8	14	34	61	13	23	1	2	550	31	14	61	23	2	550	24	5	51	31	12	544
D. more than two hours	1	1	100	0	0	0	0	0	0	564	1	100	0	0	0	564	2	4	39	31	26	539
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	25	5	11	30	68	5	11	4	9	551	25	11	68	11	9	551	26	7	56	26	11	545
B. good	52	13	14	54	58	21	23	5	5	550	52	14	58	23	5	550	53	4	53	31	11	544
C. fair	21	4	11	21	55	12	32	1	3	547	21	11	55	32	3	547	18	2	41	39	17	540
D. poor	2	0	0	2	50	1	25	1	25	545	2	0	50	25	25	545	3	1	33	36	30	536
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	9	2	12	8	47	5	29	2	12	547	9	12	47	29	12	547	23	5	56	28	11	544
B. They match some of what I have learned.	35	7	11	40	63	13	21	3	5	550	35	11	63	21	5	550	48	5	52	31	12	544
C. They match just a little of what I have learned.	44	7	9	53	67	15	19	4	5	550	44	9	67	19	5	550	23	4	49	33	14	543
D. There is no match.	11	6	30	6	30	6	30	2	10	547	11	30	30	30	10	547	6	3	40	34	23	539
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	41	7	10	47	64	17	23	2	3	549	41	10	64	23	3	549	23	5	48	31	16	543
B. about the same as my regular schoolwork	48	10	12	51	59	19	22	6	7	549	48	12	59	22	7	549	58	4	52	32	12	543
C. easier than my regular schoolwork	11	5	25	9	45	3	15	3	15	551	11	25	45	15	15	551	19	6	53	29	11	544
How often do you have science classes?																						
A. every day	31	4	7	34	62	12	22	5	9	549	31	7	62	22	9	549	33	5	51	31	14	543
B. a few times a week	41	9	12	45	61	18	24	2	3	549	41	12	61	24	3	549	45	4	52	32	11	544
C. once a week	5	0	0	6	67	1	11	2	22	544	5	0	67	11	22	544	8	4	50	30	16	542
D. a few times a month	23	9	22	22	54	7	17	3	7	550	23	22	54	17	7	550	15	4	52	30	14	543
Which statement best describes how you learn science?																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	47	9	11	50	59	21	25	5	6	550	47	11	59	25	6	550	30	3	48	35	14	542
B. I work in groups to design and conduct experiments.	11	0	0	6	32	9	47	4	21	537	11	0	32	47	21	537	23	2	43	37	18	540
C. I do a combination of A and B, mostly A.	31	12	21	37	66	6	11	1	2	554	31	21	66	11	2	554	27	6	58	26	9	546
D. I do a combination of A and B, mostly B.	11	1	5	14	70	3	15	2	10	547	11	5	70	15	10	547	21	6	58	27	10	545
How often do you make observations and collect data in science class?																						
A. a few times a week	25	4	9	26	58	13	29	2	4	549	25	9	58	29	4	549	47	4	51	32	12	543
B. a few times a month	30	2	4	37	69	12	22	3	6	547	30	4	69	22	6	547	27	5	54	30	11	544
C. once a month	17	8	27	17	57	2	7	3	10	553	17	27	57	7	10	553	10	5	49	30	15	543
D. never or almost never	28	8	16	27	53	12	24	4	8	550	28	16	53	24	8	550	15	3	48	32	16	542
How often do you use observations and data to support your idea about science?																						
A. a few times a week	25	3	7	30	68	9	20	2	5	548	25	7	68	20	5	548	46	4	52	32	12	543
B. a few times a month	31	6	11	33	60	12	22	4	7	550	31	11	60	22	7	550	28	5	53	30	12	544
C. once a month	20	5	14	22	63	5	14	3	9	551	20	14	63	14	9	551	11	4	47	34	15	542
D. never or almost never	25	8	18	21	47	13	29	3	7	548	25	18	47	29	7	548	15	4	50	30	16	542
Optional school/SAU question																						
A.	0										0											
B.	100	0	0	1	50	0	0	1	50	544	100	0	50	0	50	544						
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