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 6

Test Date:	March 2008
Code:	12251591
SAU:	MSAD 31
School:	Hichborn Middle 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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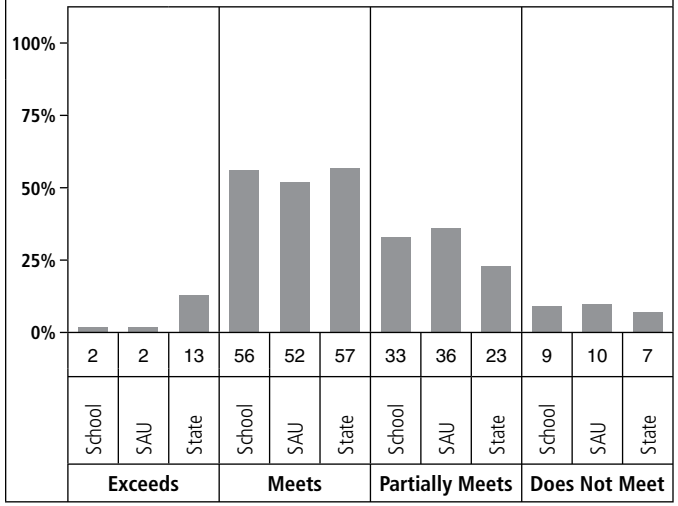
SUMMARY OF SCORES

Test Date:	March 2008
Grade:	6
SAU:	MSAD 31
School:	Hichborn Middle School

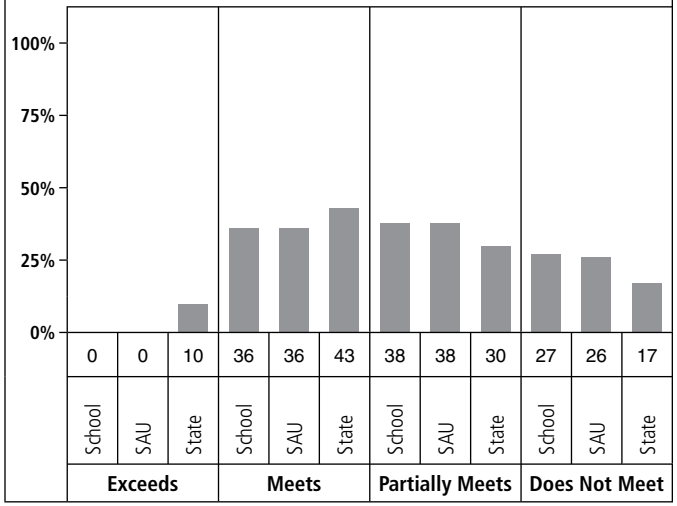
Summary of School, SAU, and State Scores

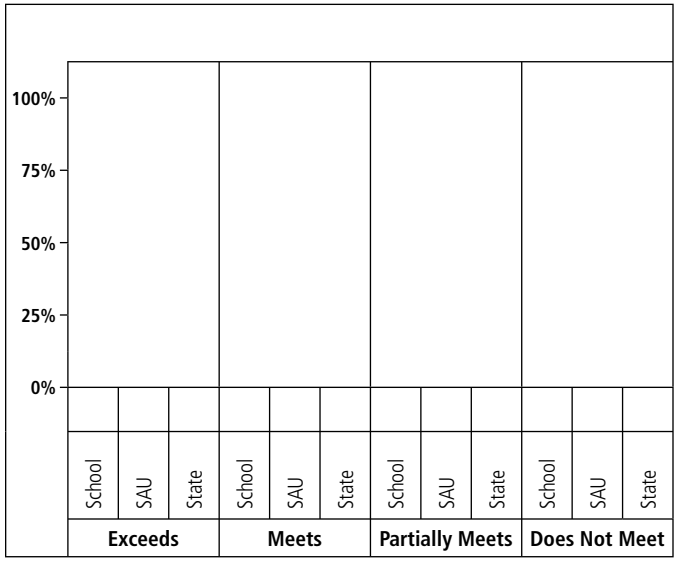
Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	642	643	644
2006–2007	644	644	646
2007–2008	**644**	**644**	**648**
Cum. Avg.*	643	644	646
Mathematics			
2005–2006	634	636	641
2006–2007	637	637	643
2007–2008	**636**	**635**	**642**
Cum. Avg.*	635	636	642

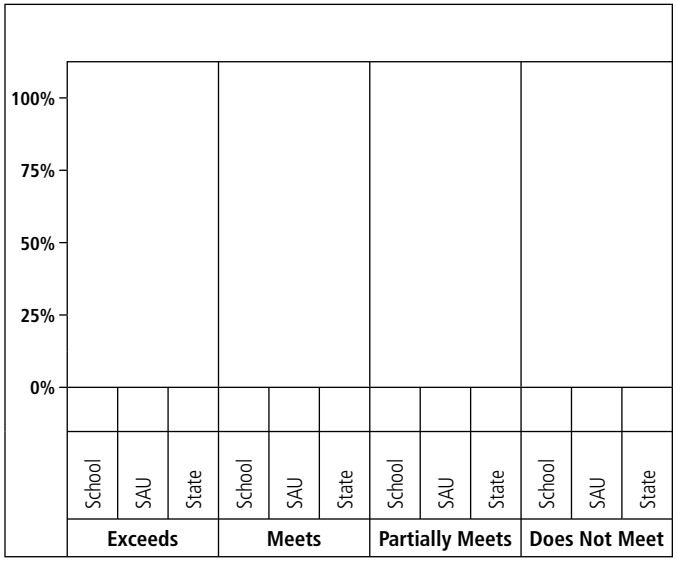
ELA – READING



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: 6
SAU: MSAD 31
School: Hichborn Middle 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	48	100	44	100	14365	100	48	100	44	100	14266	99	48	100	44	100	14268	99												
Ethnicity African American/Black	0	0	0	0	418	3	0	0	0	0	407	97	0	0	0	0	413	99												
American Indian or Native Alaskan	0	0	0	0	111	1	0	0	0	0	110	99	0	0	0	0	110	99												
Asian or Pacific Islander	0	0	0	0	249	2	0	0	0	0	249	100	0	0	0	0	248	100												
Hispanic	0	0	0	0	149	1	0	0	0	0	147	99	0	0	0	0	147	99												
Caucasian/White	48	100	44	100	13438	94	48	100	44	100	13353	100	48	100	44	100	13350	100												
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Identified disability	12	25	10	23	2518	18	12	100	10	100	2479	99	12	100	10	100	2479	99												
Current LEP	0	0	0	0	349	2	0	0	0	0	339	97	0	0	0	0	344	99												
Economically disadvantaged	27	56	25	57	5335	37	27	100	25	100	5277	99	27	100	25	100	5279	99												
Migrant	0	0	0	0	7	0	0	0	0	0	7	100	0	0	0	0	7	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	37	77	34	77	11613	81	37	77	34	77	11626	81												
Identified disability (PET/IEP)	2	5	1	3	373	3	2	5	1	3	373	3												
LEP	0	0	0	0	187	2	0	0	0	0	187	2												
504 plan	1	3	1	3	149	1	1	3	1	3	150	1												
Participation with accommodations	8	17	8	18	2451	17	8	17	8	18	2446	17												
Identified disability (PET/IEP)	7	88	7	88	1909	78	7	88	7	88	1910	78												
LEP	0	0	0	0	142	6	0	0	0	0	152	6												
504 plan	0	0	0	0	85	3	0	0	0	0	84	3												
Other	1	13	1	13	350	14	1	13	1	13	335	14												
Participation through alternate assessment (PAAP)	3	6	2	5	197	1	3	6	2	5	196	1												
Identified disability (PET/IEP)	3	100	2	100	197	100	3	100	2	100	196	100												
LEP	0	0	0	0	5	3	0	0	0	0	5	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	24	0	0	0	0	0	24	0												
Non-participation – other	0	0	0	0	75	1	0	0	0	0	73	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:	6
SAU:	MSAD 31
School:	Hichborn Middle 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 661–680)	2005-2006	1	2	2	4	1176	8
	2006-2007	0	0	0	0	1132	8
	2007-2008	**1**	**2**	**1**	**2**	**1817**	**13**
	Cum. Total*	2	2	3	2	4125	10
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 641–660)	2005-2006	27	49	28	51	7612	51
	2006-2007	20	61	19	59	8127	57
	2007-2008	**25**	**56**	**22**	**52**	**8072**	**57**
	Cum. Total*	72	54	69	53	23811	55
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 629–640)	2005-2006	21	38	20	36	4080	27
	2006-2007	9	27	9	28	3549	25
	2007-2008	**15**	**33**	**15**	**36**	**3194**	**23**
	Cum. Total*	45	34	44	34	10823	25
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 600–628)	2005-2006	6	11	5	9	2005	13
	2006-2007	4	12	4	13	1478	10
	2007-2008	**4**	**9**	**4**	**10**	**981**	**7**
	Cum. Total*	14	11	13	10	4464	10

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	**56**	**100**	30.3	54.1	30.0	53.6	32.7	58.4
Literary Text	**28**	**50**	15.1	53.9	15.0	53.6	16.3	58.2
Informational Text	**28**	**50**	15.2	54.3	15.0	53.6	16.5	58.9

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: 6
SAU: MSAD 31
School: Hichborn Middle 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	45	1	2	25	56	15	33	4	9	644	42	2	52	36	10	644	14064	13	57	23	7	648
Ethnicity																						
African American/Black	0										0						399	7	47	28	17	642
American Indian or Native Alaskan	0										0						108	4	54	32	10	643
Asian or Pacific Islander	0										0						247	16	60	20	4	650
Hispanic	0										0						145	8	45	34	14	643
Caucasian/White	45	1	2	25	56	15	33	4	9	644	42	2	52	36	10	644	13165	13	58	22	7	648
Not Reported	0										0						0					
Identified disability																						
Yes	9	0	0	3	33	3	33	3	33	634	8	0	25	38	38	633	2282	2	29	42	27	636
No	36	1	3	22	61	12	33	1	3	647	34	3	59	35	3	647	11782	15	63	19	3	650
Current LEP																						
Yes	0										0						329	4	44	30	22	640
No	45	1	2	25	56	15	33	4	9	644	42	2	52	36	10	644	13735	13	58	23	7	648
Economically disadvantaged																						
Yes	24	0	0	13	54	9	38	2	8	643	23	0	52	39	9	643	5153	6	51	31	12	643
No	21	1	5	12	57	6	29	2	10	646	19	5	53	32	11	645	8911	17	61	18	4	650
Migrant																						
Yes	0										0						7	14	57	14	14	648
No	45	1	2	25	56	15	33	4	9	644	42	2	52	36	10	644	14057	13	57	23	7	648
Gender																						
Female	26	1	4	17	65	6	23	2	8	647	24	4	63	25	8	647	6967	16	59	20	5	650
Male	19	0	0	8	42	9	47	2	11	641	18	0	39	50	11	640	7097	9	56	26	9	646
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						1186	6	41	42	11	642
No	45	1	2	25	56	15	33	4	9	644	42	2	52	36	10	644	12878	14	59	21	7	648
Gifted/talented program																						
Yes	1										1						557	50	48	2	0	661
No	44	0	0	25	57	15	34	4	9	643	41	0	54	37	10	643	13507	11	58	24	7	647

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: 6
SAU: MSAD 31
School: Hichborn Middle 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	11	0	0	3	60	2	40	0	0	646	10	0	50	50	0	645	6	7	43	30	20	641
B. less than one hour	68	1	3	18	60	9	30	2	7	645	68	4	57	32	7	645	56	13	58	23	6	648
C. one to two hours	20	0	0	4	44	4	44	1	11	642	22	0	44	44	11	642	34	15	60	20	5	649
D. more than two hours	0										0						3	9	46	29	16	643
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.	55	1	4	15	63	8	33	0	0	649	56	4	61	35	0	649	40	17	60	19	5	650
B. They match some of what I have learned.	41	0	0	10	56	5	28	3	17	641	39	0	50	31	19	640	48	12	59	23	6	648
C. They match just a little of what I have learned.	5	0	0	0	0	2	100	0	0	636	5	0	0	100	0	636	9	7	45	34	15	643
D. There is no match.	0										0						3	3	31	37	29	637
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	25	1	9	8	73	2	18	0	0	651	22	11	67	22	0	651	28	26	58	11	4	653
B. good	48	0	0	13	62	6	29	2	10	645	49	0	60	30	10	645	54	9	61	24	6	647
C. fair	25	0	0	4	36	6	55	1	9	639	27	0	36	55	9	639	16	3	48	37	13	642
D. poor	2	0	0	0	0	1	100	0	0	636	2	0	0	100	0	636	2	1	37	39	23	637
How difficult was the reading part of this test?																						
A. harder than my regular schoolwork	0										0						15	10	48	27	15	644
B. about the same as my regular schoolwork	86	1	3	21	55	13	34	3	8	645	85	3	51	37	9	644	66	13	59	22	5	649
C. easier than my regular schoolwork	14	0	0	4	67	2	33	0	0	646	15	0	67	33	0	646	18	15	58	20	7	649
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	2	0	0	0	0	1	100	0	0	630	2	0	0	100	0	630	9	2	37	37	23	638
B. Most of the passages were about the same as what I normally read.	75	0	0	19	58	11	33	3	9	644	76	0	55	35	10	644	54	9	59	26	6	647
C. Most of the passages were easier than what I normally read.	23	1	10	6	60	3	30	0	0	649	22	11	56	33	0	649	36	21	60	15	4	652
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	57	1	4	13	52	9	36	2	8	646	61	4	52	36	8	646	46	13	56	24	7	648
B. I tried about the same as I do on my regular schoolwork.	43	0	0	12	63	6	32	1	5	643	39	0	56	38	6	642	50	14	60	21	6	649
C. I did not try as hard on this test as I do on my regular schoolwork.	0										0						3	5	46	30	20	641
How much time do you spend reading at home each day?																						
A. more than one hour	25	0	0	9	82	2	18	0	0	647	22	0	78	22	0	647	19	19	58	17	6	651
B. 20 minutes to an hour	11	0	0	1	20	3	60	1	20	638	12	0	20	60	20	638	51	15	60	20	5	649
C. less than 20 minutes	16	0	0	5	71	1	14	1	14	643	15	0	67	17	17	642	12	9	56	26	9	646
D. I rarely read at home.	48	1	5	10	48	9	43	1	5	646	51	5	48	43	5	646	18	4	50	34	13	643
Optional school/SAU question																						
A.	0										0											
B.	100	0	0	0	0	1	100	0	0	636	100	0	0	100	0	636						
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:	6
SAU:	MSAD 31
School:	Hichborn Middle 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 661–680)	2005-2006	1	2	1	2	1463	10
	2006-2007	0	0	0	0	2092	15
	2007-2008	**0**	**0**	**0**	**0**	**1474**	**10**
	Cum. Total*	1	1	1	1	5029	12
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 641–660)	2005-2006	16	29	19	35	5914	40
	2006-2007	10	30	10	31	5731	40
	2007-2008	**16**	**36**	**15**	**36**	**6008**	**43**
	Cum. Total*	42	32	44	34	17653	41
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 627–640)	2005-2006	21	38	21	38	4494	30
	2006-2007	18	55	17	53	4175	29
	2007-2008	**17**	**38**	**16**	**38**	**4244**	**30**
	Cum. Total*	56	42	54	42	12913	30
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 600–626)	2005-2006	17	31	14	25	3014	20
	2006-2007	5	15	5	16	2308	16
	2007-2008	**12**	**27**	**11**	**26**	**2346**	**17**
	Cum. Total*	34	26	30	23	7668	18

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	**19**	**34**	7.2	37.9	7.1	37.4	9.6	50.5
Cluster 2: Shape and Size	**15**	**27**	7.5	50.0	7.4	49.3	8.1	54.0
Cluster 3: Mathematical Decision Making	**7**	**13**	3.6	51.4	3.6	51.4	4.2	60.0
Cluster 4: Patterns	**15**	**27**	6.5	43.3	6.5	43.3	7.5	50.0

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: 6
SAU: MSAD 31
School: Hichborn Middle 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	45	0	0	16	36	17	38	12	27	636	42	0	36	38	26	635	14072	10	43	30	17	642
Ethnicity																						
African American/Black	0										0						409	4	26	35	35	632
American Indian or Native Alaskan	0										0						108	6	26	39	29	635
Asian or Pacific Islander	0										0						247	13	50	25	13	646
Hispanic	0										0						145	9	32	34	25	638
Caucasian/White	45	0	0	16	36	17	38	12	27	636	42	0	36	38	26	635	13163	11	43	30	16	643
Not Reported	0										0						0					
Identified disability																						
Yes	9	0	0	0	0	1	11	8	89	618	8	0	0	13	88	618	2283	2	18	31	49	627
No	36	0	0	16	44	16	44	4	11	640	34	0	44	44	12	639	11789	12	48	30	10	645
Current LEP																						
Yes	0										0						339	5	22	32	41	631
No	45	0	0	16	36	17	38	12	27	636	42	0	36	38	26	635	13733	11	43	30	16	643
Economically disadvantaged																						
Yes	24	0	0	6	25	10	42	8	33	633	23	0	26	43	30	633	5160	4	34	36	26	636
No	21	0	0	10	48	7	33	4	19	639	19	0	47	32	21	638	8912	14	48	27	11	646
Migrant																						
Yes	0										0						7	0	57	43	0	641
No	45	0	0	16	36	17	38	12	27	636	42	0	36	38	26	635	14065	10	43	30	17	642
Gender																						
Female	26	0	0	13	50	8	31	5	19	640	24	0	54	29	17	641	6974	10	43	31	16	642
Male	19	0	0	3	16	9	47	7	37	629	18	0	11	50	39	628	7098	11	42	30	17	642
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						1192	4	23	43	30	634
No	45	0	0	16	36	17	38	12	27	636	42	0	36	38	26	635	12880	11	44	29	15	643
Gifted/talented program																						
Yes	1										1						557	53	42	4	0	663
No	44	0	0	15	34	17	39	12	27	635	41	0	34	39	27	635	13515	9	43	31	17	641

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: 6
SAU: MSAD 31
School: Hichborn Middle 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	11	0	0	3	60	1	20	1	20	639	10	0	50	25	25	635	6	6	33	31	31	635
B. less than one hour	68	0	0	12	40	11	37	7	23	638	68	0	43	36	21	639	56	11	43	30	16	643
C. one to two hours	20	0	0	1	11	5	56	3	33	630	22	0	11	56	33	630	34	11	45	30	14	644
D. more than two hours	0										0						3	6	33	32	28	636
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.	30	0	0	6	46	5	38	2	15	638	28	0	45	45	9	638	45	14	47	28	11	646
B. They match some of what I have learned.	51	0	0	7	32	9	41	6	27	636	53	0	33	38	29	636	43	8	43	33	17	641
C. They match just a little of what I have learned.	16	0	0	3	43	2	29	2	29	637	18	0	43	29	29	637	9	6	30	33	32	635
D. There is no match.	2	0	0	0	0	0	0	1	100	626	3	0	0	0	100	626	3	5	15	25	54	626
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	16	0	0	3	43	3	43	1	14	641	17	0	43	43	14	641	29	24	51	17	8	651
B. good	50	0	0	7	32	11	50	4	18	637	51	0	33	52	14	638	48	6	45	33	16	641
C. fair	30	0	0	5	38	3	23	5	38	634	27	0	36	18	45	631	19	1	29	42	28	634
D. poor	5	0	0	1	50	0	0	1	50	636	5	0	50	0	50	636	3	0	15	41	44	627
How difficult was the mathematics part of this test?																						
A. harder than my regular schoolwork	34	0	0	4	27	5	33	6	40	633	34	0	29	36	36	634	24	5	38	33	24	638
B. about the same as my regular schoolwork	61	0	0	10	37	12	44	5	19	637	63	0	38	42	19	637	62	9	45	31	14	643
C. easier than my regular schoolwork	5	0	0	2	100	0	0	0	0	656	2	0	100	0	0	656	14	26	43	20	12	650
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	57	0	0	10	40	12	48	3	12	638	61	0	40	48	12	638	48	10	41	32	17	642
B. I tried about the same as I do on my regular schoolwork.	43	0	0	6	32	5	26	8	42	634	39	0	31	25	44	633	49	12	45	28	15	644
C. I did not try as hard on this test as I do on my regular schoolwork.	0										0						3	9	33	27	32	637
How often do you use hands-on materials in mathematics class?																						
A. almost every day	9	0	0	1	25	2	50	1	25	637	10	0	25	50	25	637	17	8	39	30	22	639
B. two or three days a week	23	0	0	3	30	6	60	1	10	638	24	0	30	60	10	638	34	11	44	31	14	643
C. two or three times each month	16	0	0	1	14	4	57	2	29	627	17	0	14	57	29	627	31	12	44	29	15	644
D. never or almost never	52	0	0	11	48	5	22	7	30	639	49	0	50	20	30	639	18	10	42	31	18	642
How often do you use calculators in mathematics class?																						
A. almost every day	2	0	0	1	100	0	0	0	0	654	2	0	100	0	0	654	11	11	37	29	23	641
B. two or three days a week	36	0	0	4	25	7	44	5	31	632	39	0	25	44	31	632	32	11	44	30	15	643
C. two or three times each month	48	0	0	10	48	8	38	3	14	641	46	0	47	37	16	640	32	11	45	30	15	643
D. never or almost never	14	0	0	1	17	2	33	3	50	631	12	0	20	40	40	634	26	9	40	32	19	641
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	0										0						7	6	29	33	32	635
B. 30–45 minutes	32	0	0	2	14	6	43	6	43	630	29	0	8	50	42	628	37	8	39	34	20	640
C. 45–60 minutes	36	0	0	9	56	4	25	3	19	640	39	0	56	25	19	640	42	13	47	28	12	645
D. more than 60 minutes	32	0	0	5	36	7	50	2	14	640	32	0	38	46	15	640	15	12	46	27	15	644
Optional school/SAU question																						
A.	0										0											
B.	100	0	0	0	0	0	0	1	100	614	100	0	0	0	100	614						
C.	0										0											
D.	0										0											

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