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:	12581766
SAU:	MSAD 64
School:	Hudson 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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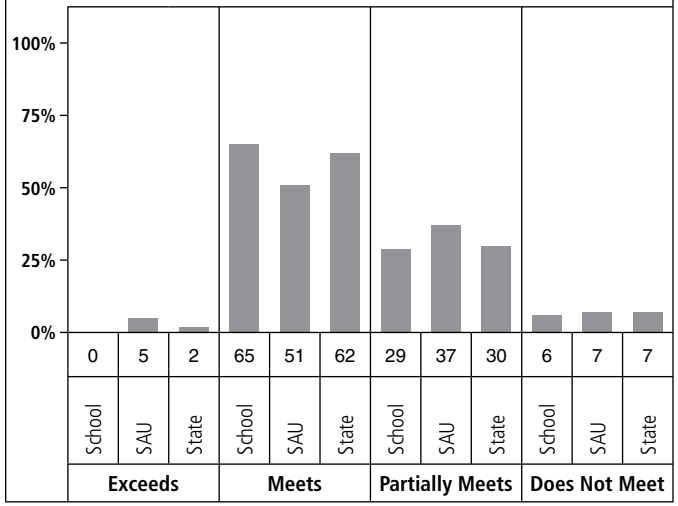
SUMMARY OF SCORES

Test Date:	March 2008
Grade:	3
SAU:	MSAD 64
School:	Hudson Elementary School

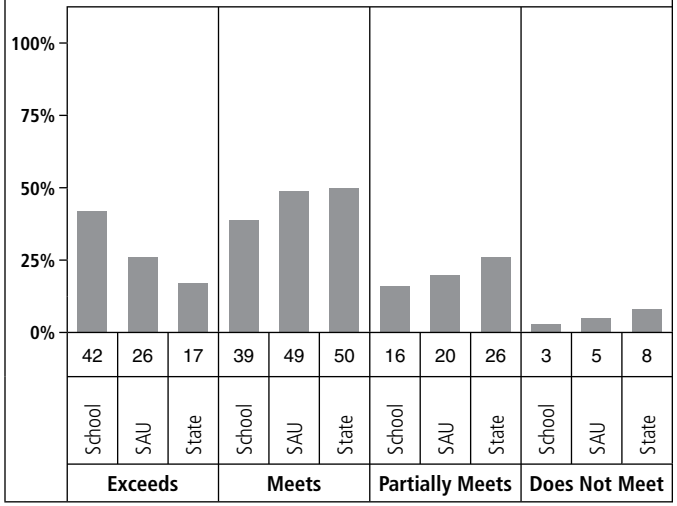
Summary of School, SAU, and State Scores

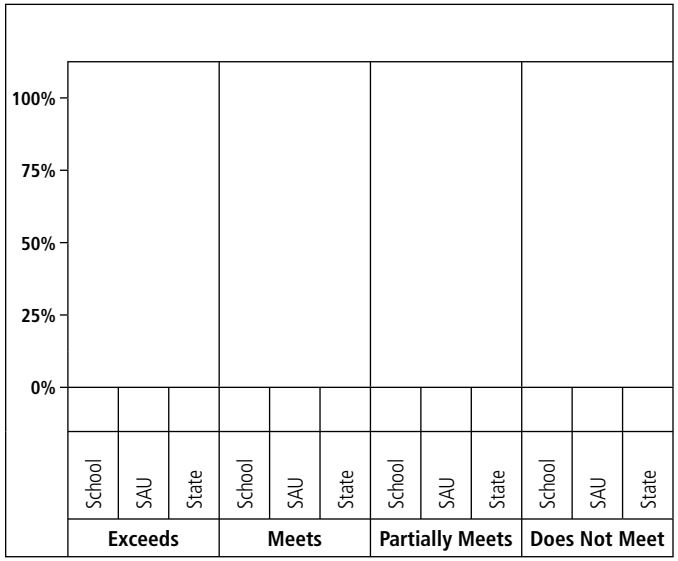
Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	343	344	345
2006–2007	343	344	345
2007–2008	**344**	**344**	**344**
Cum. Avg.*	343	344	345
Mathematics			
2005–2006	340	342	344
2006–2007	348	348	347
2007–2008	**355**	**351**	**347**
Cum. Avg.*	348	347	346

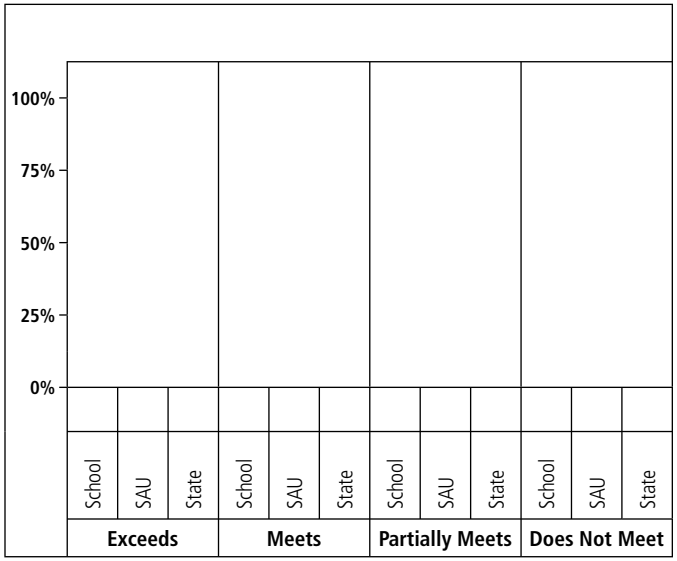
ELA – READING



MATHEMATICS







*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

MEA
Maine Educational Assessment

Test Date: March 2008
Grade: 3
SAU: MSAD 64
School: Hudson 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	31	100	102	100	13803	100	31	100	102	100	13714	99	31	100	102	100	13710	99												
Ethnicity African American/Black	1	3	1	1	399	3	1	100	1	100	391	98	1	100	1	100	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	1	1	162	1	0	0	1	100	158	98	0	0	1	100	159	98												
Caucasian/White	30	97	100	98	12916	94	30	100	100	100	12846	100	30	100	100	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	3	9	9	2358	17	1	100	9	100	2333	99	1	100	9	100	2329	99												
Current LEP	0	0	1	1	371	3	0	0	1	100	357	96	0	0	1	100	361	98												
Economically disadvantaged	16	52	52	51	5584	40	16	100	52	100	5535	99	16	100	52	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	28	90	83	81	10650	77	28	90	83	81	10678	77												
Identified disability (PET/IEP)	0	0	1	1	475	4	0	0	1	1	479	4												
LEP	0	0	0	0	151	1	0	0	0	0	149	1												
504 plan	1	4	2	2	83	1	1	4	2	2	85	1												
Participation with accommodations	3	10	19	19	2936	21	3	10	19	19	2911	21												
Identified disability (PET/IEP)	1	33	8	42	1735	59	1	33	8	42	1729	59												
LEP	0	0	1	5	197	7	0	0	1	5	208	7												
504 plan	0	0	1	5	49	2	0	0	1	5	47	2												
Other	2	67	10	53	986	34	2	67	10	53	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 64
School:	Hudson 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	0	0	352	3
	2006-2007	0	0	3	3	332	2
	2007-2008	**0**	**0**	**5**	**5**	**227**	**2**
	Cum. Total*	0	0	8	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	17	55	46	54	8641	62
	2006-2007	19	56	62	59	8691	63
	2007-2008	**20**	**65**	**52**	**51**	**8403**	**62**
	Cum. Total*	56	58	160	55	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	13	42	37	44	3671	27
	2006-2007	12	35	33	31	3781	27
	2007-2008	**9**	**29**	**38**	**37**	**4018**	**30**
	Cum. Total*	34	35	108	37	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	1	3	2	2	1163	8
	2006-2007	3	9	7	7	1021	7
	2007-2008	**2**	**6**	**7**	**7**	**938**	**7**
	Cum. Total*	6	6	16	5	3122	8

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	**46**	**100**	27.5	59.8	27.1	58.9	27.6	60.0
Literary Text	**23**	**50**	13.0	56.5	13.7	59.6	14.1	61.3
Informational Text	**23**	**50**	14.5	63.0	13.5	58.7	13.5	58.7

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students' reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine's 1997 *Learning Results*, which can be found at http://www.maine.gov/education/lsalt/gles.htm.

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

ELA–READING RESULTS
(CONTINUED)

Test Date: March 2008
Grade: 3
SAU: MSAD 64
School: Hudson 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	31	0	0	20	65	9	29	2	6	344	102	5	51	37	7	344	13586	2	62	30	7	344
Ethnicity																						
African American/Black	1										1						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										1						158	1	52	36	11	342
Caucasian/White	30	0	0	19	63	9	30	2	7	344	100	5	51	38	6	344	12728	2	63	29	7	345
Not Reported	0										0						0					
Identified disability																						
Yes	1										9	0	11	44	44	334	2210	0	32	48	20	338
No	30	0	0	20	67	9	30	1	3	345	93	5	55	37	3	345	11376	2	68	26	4	346
Current LEP																						
Yes	0										1						348	1	36	45	19	339
No	31	0	0	20	65	9	29	2	6	344	101	5	51	38	6	344	13238	2	63	29	7	344
Economically disadvantaged																						
Yes	16	0	0	10	63	5	31	1	6	343	52	4	48	42	6	343	5450	1	49	39	11	341
No	15	0	0	10	67	4	27	1	7	346	50	6	54	32	8	346	8136	2	71	23	4	346
Migrant																						
Yes	0										0						5	0	80	20	0	343
No	31	0	0	20	65	9	29	2	6	344	102	5	51	37	7	344	13581	2	62	30	7	344
Gender																						
Female	14	0	0	10	71	4	29	0	0	347	47	9	64	26	2	348	6567	3	65	27	5	345
Male	17	0	0	10	59	5	29	2	12	342	55	2	40	47	11	341	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	31	0	0	20	65	9	29	2	6	344	102	5	51	37	7	344	11582	2	66	26	6	345
Gifted/talented program																						
Yes	0										0						125	11	87	2	0	355
No	31	0	0	20	65	9	29	2	6	344	102	5	51	37	7	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 64
School: Hudson 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	3	0	0	0	0	0	0	1	100	330	2	0	0	0	100	330	6	0	43	39	18	340
B. less than one hour	94	0	0	20	69	9	31	0	0	345	93	5	55	35	4	345	79	2	65	28	5	345
C. one to two hours	0										4	0	25	75	0	340	12	2	60	31	7	344
D. more than two hours	3	0	0	0	0	0	0	1	100	330	1	0	0	0	100	330	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.	23	0	0	6	86	1	14	0	0	349	38	8	50	37	5	346	29	3	62	28	7	345
B. They match some of what I have learned.	57	0	0	11	65	6	35	0	0	344	47	2	57	38	2	344	48	2	67	27	4	345
C. They match just a little of what I have learned.	20	0	0	2	33	2	33	2	33	338	10	0	40	30	30	341	15	1	56	34	9	343
D. There is no match.	0										5	20	20	40	20	341	8	0	44	40	16	340
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	35	0	0	7	64	3	27	1	9	345	47	9	53	28	11	346	42	3	67	24	6	346
B. good	55	0	0	12	71	5	29	0	0	345	43	2	56	40	2	344	46	1	62	32	5	344
C. fair	10	0	0	1	33	1	33	1	33	338	7	0	29	57	14	340	10	0	48	42	10	341
D. poor	0										2	0	0	100	0	338	2	0	30	43	28	336
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	32	0	0	7	70	3	30	0	0	344	22	0	41	45	14	340	22	1	48	38	12	341
B. about the same as my regular schoolwork	42	0	0	8	62	3	23	2	15	344	59	7	57	29	7	346	57	2	68	26	4	346
C. easier than my regular schoolwork	26	0	0	5	63	3	38	0	0	345	19	0	53	47	0	343	21	1	61	30	8	344
How hard were the reading passages on this test?																						
A. Most of the passages were harder than what I normally read.	23	0	0	4	57	2	29	1	14	341	21	0	24	57	19	338	20	0	38	47	16	339
B. Most of the passages were about the same as what I normally read.	39	0	0	8	67	4	33	0	0	345	54	6	58	34	2	346	51	2	68	27	4	345
C. Most of the passages were easier than what I normally read.	39	0	0	8	67	3	25	1	8	345	25	4	64	24	8	346	29	3	69	23	6	346
How much time do you spend reading at home each day?																						
A. more than one hour	23	0	0	5	71	2	29	0	0	347	14	7	79	14	0	351	19	3	65	27	6	346
B. 20 minutes to an hour	65	0	0	12	60	6	30	2	10	344	54	5	51	38	5	344	47	2	68	25	5	346
C. less than 20 minutes	6	0	0	2	100	0	0	0	0	342	16	6	44	31	19	342	19	1	56	35	8	343
D. I rarely read at home.	6	0	0	1	50	1	50	0	0	342	16	0	38	56	6	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	3	0	0	1	100	0	0	0	0	344	16	6	38	56	0	343	28	1	56	33	9	343
B. six to ten pages	24	0	0	4	57	2	29	1	14	344	30	7	40	43	10	343	23	1	63	29	7	344
C. eleven or more pages	72	0	0	13	62	7	33	1	5	344	54	4	60	28	8	346	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:	MSAD 64
School:	Hudson 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	5	6	1295	9
	2006-2007	8	24	18	17	1985	14
	2007-2008	**13**	**42**	**27**	**26**	**2277**	**17**
	Cum. Total*	21	22	50	17	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	13	42	38	45	6852	49
	2006-2007	17	50	58	55	6990	51
	2007-2008	**12**	**39**	**50**	**49**	**6764**	**50**
	Cum. Total*	42	44	146	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	14	45	31	36	4081	29
	2006-2007	6	18	19	18	3673	27
	2007-2008	**5**	**16**	**20**	**20**	**3504**	**26**
	Cum. Total*	25	26	70	24	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	4	13	11	13	1638	12
	2006-2007	3	9	10	10	1193	9
	2007-2008	**1**	**3**	**5**	**5**	**1044**	**8**
	Cum. Total*	8	8	26	9	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**	10.7	71.3	9.9	66.0	9.2	61.3
Cluster 2: Shape and Size	**14**	**29**	10.5	75.0	10.3	73.6	10.0	71.4
Cluster 3: Mathematical Decision Making	**5**	**10**	3.8	76.0	3.5	70.0	3.2	64.0
Cluster 4: Patterns	**14**	**29**	10.6	75.7	9.8	70.0	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 64
School: Hudson 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	31	13	42	12	39	5	16	1	3	355	102	26	49	20	5	351	13589	17	50	26	8	347
Ethnicity																						
African American/Black	1										1						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										1						159	6	50	31	13	342
Caucasian/White	30	12	40	12	40	5	17	1	3	355	100	26	50	20	4	352	12723	17	50	25	7	348
Not Reported	0										0						0					
Identified disability																						
Yes	1										9	0	22	44	33	332	2208	6	35	37	21	338
No	30	13	43	12	40	5	17	0	0	356	93	29	52	17	2	353	11381	19	53	24	5	349
Current LEP																						
Yes	0										1						357	8	29	37	26	336
No	31	13	42	12	39	5	16	1	3	355	101	27	50	19	5	351	13232	17	50	25	7	348
Economically disadvantaged																						
Yes	16	4	25	8	50	3	19	1	6	352	52	27	46	19	8	350	5452	9	45	33	12	343
No	15	9	60	4	27	2	13	0	0	359	50	26	52	20	2	352	8137	22	53	21	4	350
Migrant																						
Yes	0										0						5	0	40	40	20	337
No	31	13	42	12	39	5	16	1	3	355	102	26	49	20	5	351	13584	17	50	26	8	347
Gender																						
Female	14	7	50	4	29	3	21	0	0	357	47	28	55	17	0	355	6565	15	49	27	8	347
Male	17	6	35	8	47	2	12	1	6	354	55	25	44	22	9	348	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	31	13	42	12	39	5	16	1	3	355	102	26	49	20	5	351	11585	19	52	23	6	349
Gifted/talented program																						
Yes	0										0						125	70	30	0	0	366
No	31	13	42	12	39	5	16	1	3	355	102	26	49	20	5	351	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 64
School: Hudson 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	3	0	0	0	0	1	100	0	0	334	2	0	0	100	0	337	6	9	40	33	18	340
B. less than one hour	94	13	45	12	41	4	14	0	0	357	93	28	54	15	3	353	79	18	52	24	6	348
C. one to two hours	0										4	25	0	50	25	338	12	16	48	27	8	347
D. more than two hours	3	0	0	0	0	0	0	1	100	324	1	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.	43	6	46	3	23	3	23	1	8	353	50	30	48	16	6	352	37	22	50	22	6	350
B. They match some of what I have learned.	53	7	44	8	50	1	6	0	0	359	42	24	57	17	2	352	46	16	53	25	6	348
C. They match just a little of what I have learned.	3	0	0	1	100	0	0	0	0	350	6	17	33	50	0	351	12	9	44	36	11	342
D. There is no match.	0										2	50	0	0	50	335	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	9	64	3	21	1	7	1	7	359	44	36	45	11	7	354	39	25	48	20	7	350
B. good	48	2	13	9	60	4	27	0	0	351	47	17	55	28	0	350	46	14	52	27	7	347
C. fair	6	2	100	0	0	0	0	0	0	368	7	43	29	14	14	349	12	8	49	35	9	343
D. poor	0										1	0	0	0	100	320	3	2	34	36	29	335
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	23	3	43	3	43	1	14	0	0	361	20	15	40	30	15	345	17	7	41	35	17	340
B. about the same as my regular schoolwork	39	6	50	4	33	2	17	0	0	358	56	32	54	14	0	355	59	18	53	24	5	349
C. easier than my regular schoolwork	39	4	33	5	42	2	17	1	8	350	24	25	46	21	8	348	25	21	49	23	8	349
How often do you use hands-on materials in mathematics class?																						
A. almost every day	32	4	40	5	50	1	10	0	0	358	20	30	45	20	5	350	32	13	47	30	10	345
B. two or three days a week	32	5	50	3	30	1	10	1	10	355	30	20	47	27	7	348	30	20	52	23	5	349
C. two or three times each month	32	4	40	3	30	3	30	0	0	353	37	30	46	19	5	352	19	20	53	21	6	350
D. never or almost never	3	0	0	1	100	0	0	0	0	354	13	23	77	0	0	357	18	16	50	27	8	347
How often do you use calculators in mathematics class?																						
A. almost every day	3	0	0	0	0	0	0	1	100	324	6	17	33	33	17	341	7	5	34	40	20	338
B. two or three days a week	29	5	56	3	33	1	11	0	0	360	17	35	53	12	0	356	18	15	50	27	8	346
C. two or three times each month	65	8	40	9	45	3	15	0	0	356	45	29	49	20	2	352	28	21	53	21	4	350
D. never or almost never	3	0	0	0	0	1	100	0	0	340	33	21	52	18	9	350	47	17	50	25	7	347
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	0										3	0	67	33	0	350	16	8	42	36	13	342
B. 30–45 minutes	3	1	100	0	0	0	0	0	0	380	6	33	33	33	0	355	30	14	53	26	7	347
C. 45–60 minutes	0										6	0	67	17	17	347	32	22	51	22	5	350
D. more than 60 minutes	97	12	40	12	40	5	17	1	3	355	85	29	49	17	5	351	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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