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 3

Test Date:	March 2009
Code:	12231581
SAU:	MSAD 29
School:	Houlton 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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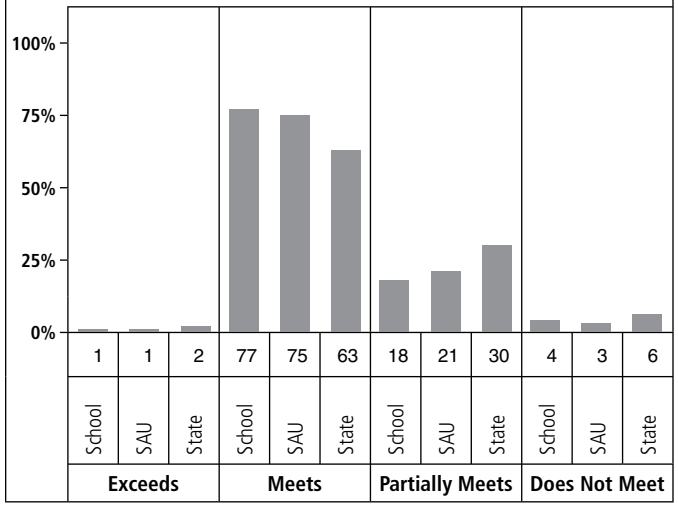
SUMMARY OF SCORES

Test Date: March 2009
Grade: 3
SAU: MSAD 29
School: Houlton Elementary School

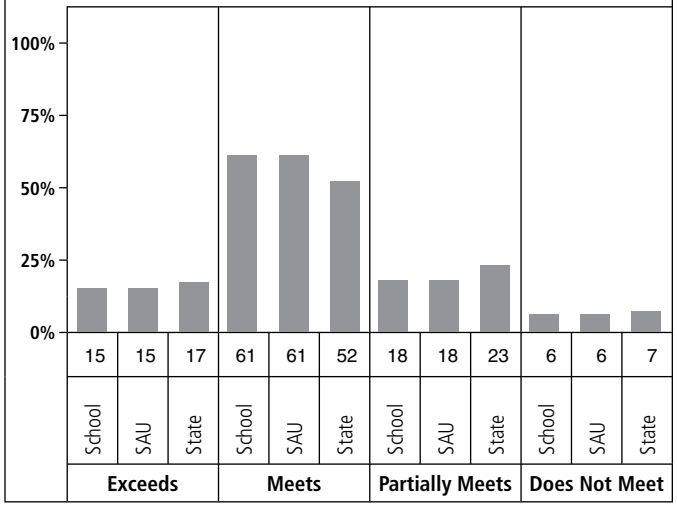
Summary of School, SAU, and State Scores

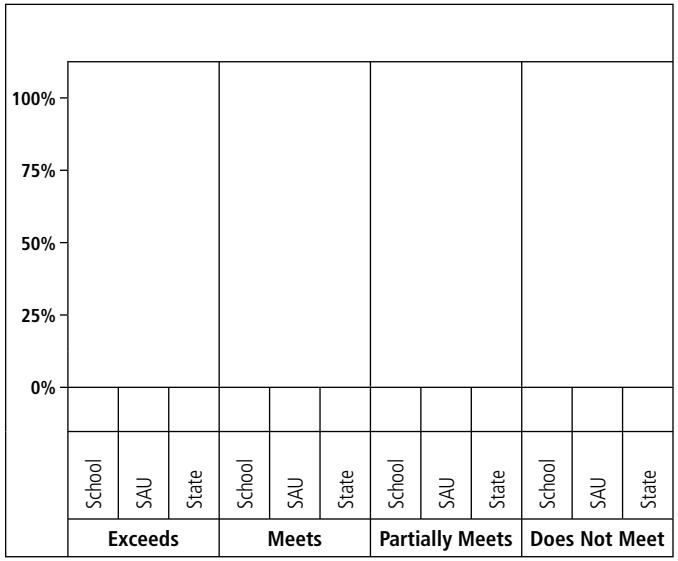
Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	346	346	345
2007–2008	345	345	344
2008–2009	**347**	**346**	**345**
Cum. Avg.*	346	346	345
Mathematics			
2006–2007	348	348	347
2007–2008	346	347	347
2008–2009	**349**	**349**	**348**
Cum. Avg.*	348	348	347

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 2009
Grade: 3
SAU: MSAD 29
School: Houlton 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	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	84	100	99	100	13763	100	84	100	99	100	13691	100	84	100	99	100	13691	100						
Ethnicity African American/Black	1	1	1	1	416	3	1	100	1	100	412	99	1	100	1	100	414	100						
American Indian or Native Alaskan	10	12	11	11	102	1	10	100	11	100	101	100	10	100	11	100	101	100						
Asian or Pacific Islander	0	0	0	0	232	2	0	0	0	0	226	97	0	0	0	0	227	98						
Hispanic	1	1	1	1	167	1	1	100	1	100	164	98	1	100	1	100	164	98						
Caucasian/White	72	86	86	87	12846	93	72	100	86	100	12788	100	72	100	86	100	12785	100						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	18	21	23	23	2414	18	18	100	23	100	2388	100	18	100	23	100	2388	100						
Current LEP	0	0	0	0	420	3	0	0	0	0	413	98	0	0	0	0	417	99						
Economically disadvantaged	44	52	56	57	5887	43	44	100	56	100	5847	100	44	100	56	100	5846	100						
Migrant	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100						

MODE OF PARTICIPATION[3]	ELA–Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	69	82	79	80	10316	75	69	82	79	80	10355	75						
Identified disability (PET/IEP)	4	6	4	5	437	4	4	6	4	5	445	4						
LEP	0	0	0	0	192	2	0	0	0	0	193	2						
504 plan	1	1	1	1	83	1	1	1	1	1	83	1						
Participation with accommodations	15	18	20	20	3179	23	15	18	20	20	3152	23						
Identified disability (PET/IEP)	14	93	19	95	1757	55	14	93	19	95	1759	56						
LEP	0	0	0	0	214	7	0	0	0	0	219	7						
504 plan	1	7	1	5	63	2	1	7	1	5	64	2						
Other	0	0	0	0	1192	37	0	0	0	0	1157	37						
Participation through alternate assessment (PAAP)	0	0	0	0	194	1	0	0	0	0	184	1						
Identified disability (PET/IEP)	0	0	0	0	194	100	0	0	0	0	184	100						
LEP	0	0	0	0	5	3	0	0	0	0	5	3						
504 plan	0	0	0	0	1	1	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	2	0												
Approved non-participation – special consideration	0	0	0	0	19	0	0	0	0	0	21	0						
Non-participation – other	0	0	0	0	53	0	0	0	0	0	51	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:	3
SAU:	MSAD 29
School:	Houlton Elementary 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 362–380)	2006-2007	4	6	4	5	332	2
	2007-2008	2	2	2	2	227	2
	2008-2009	**1**	**1**	**1**	**1**	**262**	**2**
	Cum. Total*	7	3	7	3	821	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 342–360)	2006-2007	41	57	45	58	8691	63
	2007-2008	55	63	63	66	8403	62
	2008-2009	**65**	**77**	**74**	**75**	**8500**	**63**
	Cum. Total*	161	66	182	67	25594	63
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 332–340)	2006-2007	19	26	20	26	3781	27
	2007-2008	22	25	23	24	4018	30
	2008-2009	**15**	**18**	**21**	**21**	**3985**	**30**
	Cum. Total*	56	23	64	24	11784	29
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)	2006-2007	8	11	8	10	1021	7
	2007-2008	8	9	8	8	938	7
	2008-2009	**3**	**4**	**3**	**3**	**748**	**6**
	Cum. Total*	19	8	19	7	2707	7

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	**46**	**100**	30.1	65.4	29.7	64.6	28.3	61.5
A1/A2 Interconnected Elements/Literary Text	**32**	**70**	21.3	66.6	21.0	65.6	19.9	62.2
A1/A3 Interconnected Elements/Informational Text	**14**	**30**	8.8	62.9	8.7	62.1	8.4	60.0

The MEA assesses students' reading skills based on questions related to two types of reading passages: literary and informational. Reading passages include 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: 3
SAU: MSAD 29
School: Houlton 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	84	1	1	65	77	15	18	3	4	347	99	1	75	21	3	346	13495	2	63	30	6	345
Ethnicity																						
African American/Black	1										1						402	0	40	41	18	339
American Indian or Native Alaskan	10	0	0	7	70	3	30	0	0	346	11	0	64	36	0	345	99	0	64	31	5	343
Asian or Pacific Islander	0										0						222	4	63	25	8	345
Hispanic	1										1						162	0	51	38	10	342
Caucasian/White	72	1	1	56	78	12	17	3	4	347	86	1	76	20	3	346	12610	2	64	29	5	345
Not Reported	0										0						0					
Identified disability																						
Yes	18	0	0	6	33	9	50	3	17	338	23	0	35	52	13	339	2194	0	32	50	18	338
No	66	1	2	59	89	6	9	0	0	349	76	1	87	12	0	348	11301	2	69	26	3	346
Current LEP																						
Yes	0										0						406	0	39	41	20	339
No	84	1	1	65	77	15	18	3	4	347	99	1	75	21	3	346	13089	2	64	29	5	345
Economically disadvantaged																						
Yes	44	1	2	31	70	9	20	3	7	345	56	2	66	27	5	345	5721	1	52	39	9	342
No	40	0	0	34	85	6	15	0	0	348	43	0	86	14	0	348	7774	3	71	23	3	346
Migrant																						
Yes	0										0						6	0	67	33	0	345
No	84	1	1	65	77	15	18	3	4	347	99	1	75	21	3	346	13489	2	63	30	6	345
Gender																						
Female	36	0	0	28	78	6	17	2	6	346	44	0	75	20	5	346	6568	3	67	26	4	346
Male	48	1	2	37	77	9	19	1	2	347	55	2	75	22	2	346	6927	1	59	33	7	343
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	21	0	0	13	62	8	38	0	0	342	25	0	60	40	0	342	2300	0	39	49	11	340
No	63	1	2	52	83	7	11	3	5	348	74	1	80	15	4	347	11195	2	68	25	4	345
Gifted/talented program																						
Yes	0										0						155	11	87	2	0	354
No	84	1	1	65	77	15	18	3	4	347	99	1	75	21	3	346	13340	2	63	30	6	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 2009
Grade: 3
SAU: MSAD 29
School: Houlton 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	1	0	0	1	100	0	0	0	0	346	1	0	100	0	0	346	5	1	44	39	16	340
B. less than one hour	84	1	1	56	80	10	14	3	4	347	78	1	79	16	4	347	80	2	66	28	4	345
C. one to two hours	12	0	0	7	70	3	30	0	0	345	18	0	71	29	0	344	13	2	61	32	6	344
D. more than two hours	2	0	0	0	0	2	100	0	0	340	3	0	0	100	0	339	3	1	36	45	18	339
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	40	1	3	30	88	2	6	1	3	348	42	2	83	12	2	347	47	3	68	24	4	346
B. good	48	0	0	29	73	9	23	2	5	345	48	0	72	23	4	345	41	1	62	31	5	344
C. fair	8	0	0	4	57	3	43	0	0	347	7	0	57	43	0	347	9	0	51	41	8	342
D. poor	4	0	0	2	67	1	33	0	0	347	3	0	67	33	0	347	2	0	30	51	19	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.	60	1	2	41	82	7	14	1	2	347	58	2	79	18	2	347	31	3	63	28	6	345
B. They match some of what I have learned.	30	0	0	18	72	6	24	1	4	346	30	0	72	24	3	345	49	2	68	26	3	345
C. They match just a little of what I have learned.	10	0	0	5	63	2	25	1	13	345	11	0	64	27	9	344	14	1	53	39	7	342
D. There is no match.	1	0	0	1	100	0	0	0	0	346	1	0	100	0	0	346	6	0	43	43	14	340
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	8	0	0	4	57	3	43	0	0	346	10	0	60	40	0	345	18	1	50	38	11	342
B. about the same as my regular schoolwork	69	1	2	45	78	10	17	2	3	347	65	2	75	20	3	347	57	2	68	26	3	346
C. easier than my regular schoolwork	23	0	0	16	84	2	11	1	5	344	24	0	83	13	4	344	25	1	61	31	6	344
How hard were the reading passages on this test?																						
A. Most of the passages were harder than what I normally read.	12	0	0	5	50	5	50	0	0	342	12	0	58	42	0	342	15	0	38	48	14	340
B. Most of the passages were about the same as what I normally read.	58	1	2	38	78	9	18	1	2	347	56	2	76	20	2	347	48	2	66	29	4	345
C. Most of the passages were easier than what I normally read.	30	0	0	22	88	1	4	2	8	347	32	0	81	13	6	346	37	3	70	23	4	347
How much time do you spend reading at home each day?																						
A. more than one hour	19	0	0	11	69	3	19	2	13	343	19	0	74	16	11	344	22	3	67	25	4	346
B. 20 minutes to an hour	57	1	2	40	83	7	15	0	0	348	56	2	84	15	0	348	46	2	68	26	4	346
C. less than 20 minutes	15	0	0	9	69	3	23	1	8	344	16	0	56	38	6	343	18	1	56	36	8	343
D. I rarely read at home.	8	0	0	5	71	2	29	0	0	345	8	0	63	38	0	345	14	0	50	40	10	341
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	25	0	0	11	52	8	38	2	10	344	26	0	56	36	8	344	29	1	56	36	7	343
B. six to ten pages	34	1	4	24	86	3	11	0	0	348	33	3	78	19	0	347	21	2	62	31	5	344
C. eleven or more pages	41	0	0	29	85	4	12	1	3	347	41	0	85	13	3	347	50	3	68	25	5	346
Optional school/SAU question																						
A.	75	0	0	2	67	1	33	0	0	343	75	0	67	33	0	343						
B.	0										0											
C.	25	0	0	1	100	0	0	0	0	346	25	0	100	0	0	346						
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:	3
SAU:	MSAD 29
School:	Houlton Elementary 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 362–380)	2006-2007	13	18	15	20	1985	14
	2007-2008	15	17	17	18	2277	17
	2008-2009	**13**	**15**	**15**	**15**	**2328**	**17**
	Cum. Total*	41	17	47	17	6590	16
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 342–360)	2006-2007	33	46	36	47	6990	51
	2007-2008	39	45	46	48	6764	50
	2008-2009	**51**	**61**	**60**	**61**	**7045**	**52**
	Cum. Total*	123	51	142	52	20799	51
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 326–340)	2006-2007	18	25	18	24	3673	27
	2007-2008	24	28	24	25	3504	26
	2008-2009	**15**	**18**	**18**	**18**	**3137**	**23**
	Cum. Total*	57	24	60	22	10314	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 300–324)	2006-2007	7	10	7	9	1193	9
	2007-2008	9	10	9	9	1044	8
	2008-2009	**5**	**6**	**6**	**6**	**997**	**7**
	Cum. Total*	21	9	22	8	3234	8

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**	32.1	66.9	32.3	67.3	31.5	65.6
A. Number	**20**	**42**	13.0	65.0	13.0	65.0	12.8	64.0
B. Data	**8**	**17**	6.4	80.0	6.4	80.0	6.1	76.3
C. Geometry	**8**	**17**	5.4	67.5	5.4	67.5	5.5	68.8
D. Algebra	**12**	**25**	7.4	61.7	7.5	62.5	7.1	59.2

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: 3
SAU: MSAD 29
School: Houlton 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	84	13	15	51	61	15	18	5	6	349	99	15	61	18	6	349	13507	17	52	23	7	348
Ethnicity																						
African American/Black	1										1						407	7	37	32	24	338
American Indian or Native Alaskan	10	1	10	4	40	4	40	1	10	342	11	9	36	45	9	341	99	7	47	38	7	344
Asian or Pacific Islander	0										0						223	25	45	24	7	350
Hispanic	1										1						162	6	44	35	15	341
Caucasian/White	72	12	17	47	65	9	13	4	6	350	86	16	65	13	6	350	12616	18	53	23	7	348
Not Reported	0										0						0					
Identified disability																						
Yes	18	0	0	6	33	8	44	4	22	336	23	4	39	39	17	340	2204	6	36	36	22	338
No	66	13	20	45	68	7	11	1	2	352	76	18	67	12	3	352	11303	19	55	21	4	350
Current LEP																						
Yes	0										0						412	7	37	35	21	339
No	84	13	15	51	61	15	18	5	6	349	99	15	61	18	6	349	13095	18	53	23	7	348
Economically disadvantaged																						
Yes	44	6	14	22	50	11	25	5	11	345	56	13	52	25	11	346	5727	10	48	31	12	343
No	40	7	18	29	73	4	10	0	0	352	43	19	72	9	0	353	7780	23	55	18	4	351
Migrant																						
Yes	0										0						6	0	67	33	0	345
No	84	13	15	51	61	15	18	5	6	349	99	15	61	18	6	349	13501	17	52	23	7	348
Gender																						
Female	36	6	17	20	56	7	19	3	8	348	44	16	57	18	9	349	6568	16	52	24	8	348
Male	48	7	15	31	65	8	17	2	4	349	55	15	64	18	4	349	6939	18	53	22	7	348
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	21	2	10	10	48	7	33	2	10	343	25	8	56	28	8	344	2300	4	43	39	14	340
No	63	11	17	41	65	8	13	3	5	350	74	18	62	15	5	350	11207	20	54	20	6	350
Gifted/talented program																						
Yes	0										0						155	73	26	1	0	368
No	84	13	15	51	61	15	18	5	6	349	99	15	61	18	6	349	13352	17	52	23	7	348

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: 3
SAU: MSAD 29
School: Houlton 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	1	0	0	1	100	0	0	0	0	356	1	0	100	0	0	356	5	9	38	32	21	340
B. less than one hour	84	13	19	44	63	9	13	4	6	350	78	18	62	13	7	350	80	19	54	22	5	349
C. one to two hours	12	0	0	6	60	3	30	1	10	344	18	6	59	29	6	346	13	16	51	24	9	347
D. more than two hours	2	0	0	0	0	2	100	0	0	334	3	0	33	67	0	339	3	6	31	39	24	337
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	27	5	23	13	59	2	9	2	9	351	30	21	59	10	10	350	40	25	51	17	7	351
B. good	59	7	15	27	56	11	23	3	6	347	55	15	57	23	6	348	45	14	56	24	6	348
C. fair	12	1	10	8	80	1	10	0	0	349	13	8	75	17	0	349	12	7	49	34	10	343
D. poor	2	0	0	1	50	1	50	0	0	349	2	0	50	50	0	349	3	3	35	43	20	337
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.	72	13	22	34	57	9	15	4	7	349	71	22	55	16	7	349	38	23	52	19	5	351
B. They match some of what I have learned.	23	0	0	14	74	4	21	1	5	348	23	0	77	18	5	349	45	16	56	22	6	348
C. They match just a little of what I have learned.	4	0	0	2	67	1	33	0	0	342	5	0	60	40	0	341	12	10	45	33	12	343
D. There is no match.	1	0	0	0	0	1	100	0	0	338	1	0	0	100	0	338	5	5	35	38	22	338
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	13	0	0	6	55	4	36	1	9	342	14	0	57	36	7	343	17	8	45	34	13	342
B. about the same as my regular schoolwork	67	11	20	33	59	9	16	3	5	349	67	18	60	15	6	349	59	19	55	21	5	350
C. easier than my regular schoolwork	19	2	13	11	69	2	13	1	6	352	19	17	61	17	6	353	24	20	51	21	8	349
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	6	1	20	3	60	0	0	1	20	342	8	13	50	25	13	342	15	8	41	35	15	341
B. 30–45 minutes	23	3	16	12	63	3	16	1	5	350	23	14	59	18	9	348	29	16	54	23	6	348
C. 45–60 minutes	39	3	9	21	66	5	16	3	9	348	39	14	65	14	8	350	32	21	55	19	5	350
D. more than 60 minutes	33	6	22	14	52	7	26	0	0	349	29	21	54	25	0	349	25	21	53	20	6	350
How often do you use calculators in mathematics class?																						
A. almost every day	2	0	0	0	0	1	50	1	50	323	2	0	0	50	50	323	6	6	33	39	23	337
B. two or three days a week	5	0	0	1	25	1	25	2	50	327	4	0	25	25	50	327	12	15	55	22	8	348
C. two or three times each month	37	8	26	16	52	6	19	1	3	350	33	25	50	22	3	350	26	20	56	19	5	350
D. never or almost never	55	5	11	33	72	7	15	1	2	350	61	12	69	15	3	350	56	18	52	23	7	348
How often do you use hands-on materials in mathematics class?																						
A. almost every day	22	3	17	10	56	3	17	2	11	347	22	19	52	19	10	348	37	14	51	27	9	346
B. two or three days a week	25	1	5	13	62	5	24	2	10	344	25	4	63	21	13	344	27	20	55	19	6	350
C. two or three times each month	43	7	19	24	67	4	11	1	3	351	38	19	65	14	3	351	19	22	53	19	6	350
D. never or almost never	10	1	13	4	50	3	38	0	0	349	15	13	60	27	0	351	18	15	51	26	8	347
Optional school/SAU question																						
A.	75	0	0	2	67	0	0	1	33	337	75	0	67	0	33	337						
B.	0										0											
C.	25	0	0	1	100	0	0	0	0	354	25	0	100	0	0	354						
D.	0										0											

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