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 4

Test Date:	March 2009
Code:	12511730
SAU:	MSAD 57
School:	Waterboro 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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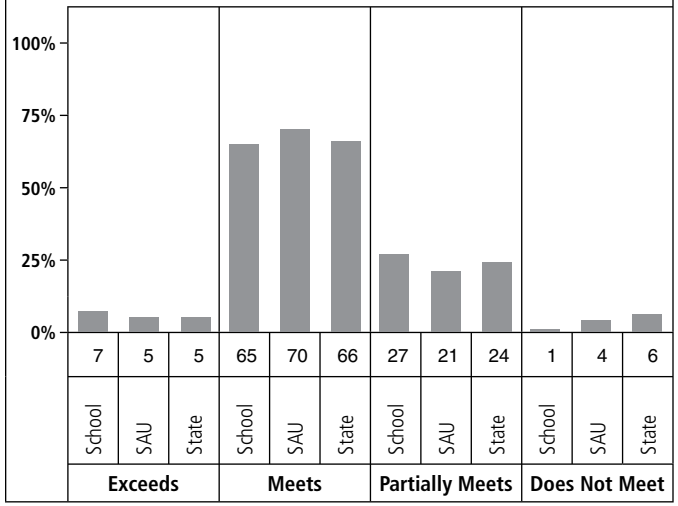
SUMMARY OF SCORES

Test Date: March 2009
Grade: 4
SAU: MSAD 57
School: Waterboro Elementary School

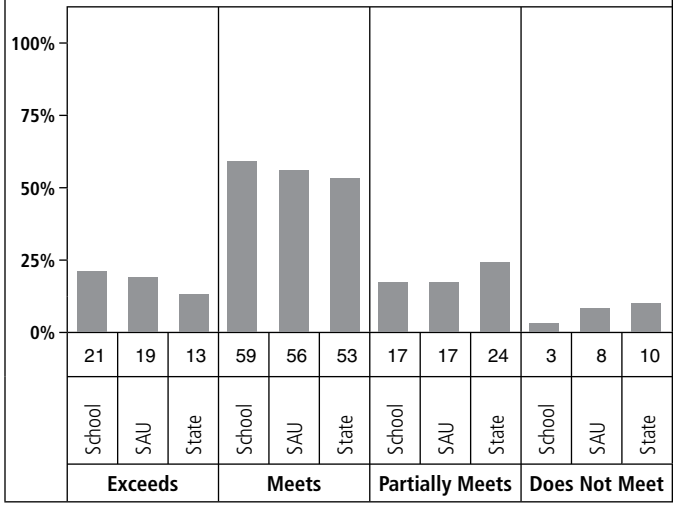
Summary of School, SAU, and State Scores

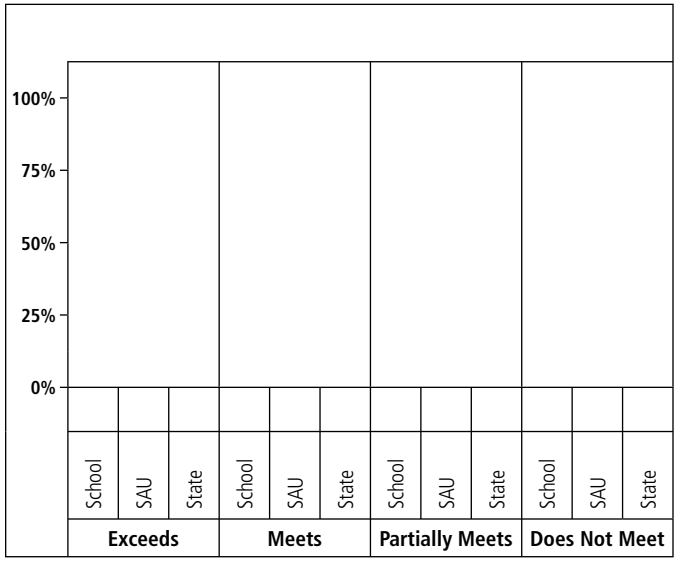
Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	445	443	445
2007–2008	446	445	445
2008–2009	**447**	**447**	**446**
Cum. Avg.*	446	445	445
Mathematics			
2006–2007	443	443	445
2007–2008	448	446	445
2008–2009	**452**	**450**	**446**
Cum. Avg.*	448	446	445

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: 4
SAU: MSAD 57
School: Waterboro 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	107	100	275	100	13805	100	107	100	275	100	13737	100	107	100	275	100	13746	100						
Ethnicity African American/Black	2	2	3	1	419	3	2	100	3	100	410	98	2	100	3	100	416	99						
American Indian or Native Alaskan	0	0	2	1	125	1	0	0	2	100	124	99	0	0	2	100	124	99						
Asian or Pacific Islander	0	0	4	1	229	2	0	0	4	100	223	97	0	0	4	100	227	99						
Hispanic	0	0	0	0	149	1	0	0	0	0	148	99	0	0	0	0	148	99						
Caucasian/White	105	98	266	97	12883	93	105	100	266	100	12832	100	105	100	266	100	12831	100						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	16	15	33	12	2383	17	16	100	33	100	2366	100	16	100	33	100	2364	99						
Current LEP	0	0	0	0	377	3	0	0	0	0	362	96	0	0	0	0	373	99						
Economically disadvantaged	43	40	84	31	5819	42	43	100	84	100	5782	99	43	100	84	100	5788	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	88	82	231	84	10439	76	88	82	231	84	10471	76						
Identified disability (PET/IEP)	0	0	9	4	351	3	0	0	9	4	367	4						
LEP	0	0	0	0	171	2	0	0	0	0	172	2						
504 plan	1	1	6	3	92	1	1	1	6	3	90	1						
Participation with accommodations	19	18	44	16	3142	23	18	17	43	16	3138	23						
Identified disability (PET/IEP)	16	84	24	55	1860	59	15	83	23	53	1860	59						
LEP	0	0	0	0	186	6	0	0	0	0	198	6						
504 plan	0	0	3	7	71	2	0	0	3	7	73	2						
Other	3	16	17	39	1060	34	3	17	17	40	1043	33						
Participation through alternate assessment (PAAP)	0	0	0	0	155	1	1	1	1	0	137	1						
Identified disability (PET/IEP)	0	0	0	0	155	100	1	100	1	100	137	100						
LEP	0	0	0	0	4	3	0	0	0	0	3	2						
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	1	0												
Approved non-participation – special consideration	0	0	0	0	11	0	0	0	0	0	11	0						
Non-participation – other	0	0	0	0	57	0	0	0	0	0	48	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:	4
SAU:	MSAD 57
School:	Waterboro 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 462–480)	2006-2007	3	3	5	2	507	4
	2007-2008	8	8	14	5	559	4
	2008-2009	**7**	**7**	**15**	**5**	**672**	**5**
	Cum. Total*	18	6	34	4	1738	4
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 442–460)	2006-2007	51	57	134	54	8749	63
	2007-2008	62	58	152	58	8308	59
	2008-2009	**70**	**65**	**192**	**70**	**8917**	**66**
	Cum. Total*	183	61	478	61	25974	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 432–440)	2006-2007	31	35	86	35	3467	25
	2007-2008	29	27	72	28	3922	28
	2008-2009	**29**	**27**	**58**	**21**	**3241**	**24**
	Cum. Total*	89	29	216	28	10630	26
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 400–430)	2006-2007	4	4	21	9	1165	8
	2007-2008	7	7	23	9	1264	9
	2008-2009	**1**	**1**	**10**	**4**	**751**	**6**
	Cum. Total*	12	4	54	7	3180	8

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**	31.9	66.5	32.0	66.7	31.6	65.8
A1/A2 Interconnected Elements/Literary Text	**24**	**50**	16.2	67.5	16.3	67.9	16.1	67.1
A1/A3 Interconnected Elements/Informational Text	**24**	**50**	15.7	65.4	15.7	65.4	15.5	64.6

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: 4
SAU: MSAD 57
School: Waterboro 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	107	7	7	70	65	29	27	1	1	447	275	5	70	21	4	447	13581	5	66	24	6	446
Ethnicity																						
African American/Black	2										3						408	2	51	31	16	441
American Indian or Native Alaskan	0										2						122	1	59	34	6	444
Asian or Pacific Islander	0										4						221	9	62	22	7	447
Hispanic	0										0						146	1	64	28	6	445
Caucasian/White	105	7	7	68	65	29	28	1	1	447	266	6	70	21	4	447	12684	5	66	24	5	446
Not Reported	0										0						0					
Identified disability																						
Yes	16	0	0	9	56	7	44	0	0	442	33	0	39	45	15	438	2211	1	39	42	18	439
No	91	7	8	61	67	22	24	1	1	448	242	6	74	18	2	448	11370	6	71	20	3	448
Current LEP																						
Yes	0										0						357	3	42	36	19	440
No	107	7	7	70	65	29	27	1	1	447	275	5	70	21	4	447	13224	5	66	24	5	446
Economically disadvantaged																						
Yes	43	1	2	25	58	16	37	1	2	445	84	1	64	32	2	445	5677	2	57	32	9	443
No	64	6	9	45	70	13	20	0	0	448	191	7	72	16	4	448	7904	7	72	18	3	448
Migrant																						
Yes	0										0						6	0	67	33	0	445
No	107	7	7	70	65	29	27	1	1	447	275	5	70	21	4	447	13575	5	66	24	6	446
Gender																						
Female	57	3	5	38	67	15	26	1	2	447	147	5	74	19	1	448	6580	7	68	21	5	448
Male	50	4	8	32	64	14	28	0	0	447	128	5	65	23	6	445	7001	3	64	27	6	445
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										4						2127	1	48	42	9	441
No	107	7	7	70	65	29	27	1	1	447	271	6	70	21	3	447	11454	6	69	20	5	447
Gifted/talented program																						
Yes	0										0						324	27	72	1	0	458
No	107	7	7	70	65	29	27	1	1	447	275	5	70	21	4	447	13257	4	65	24	6	446

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: 4
SAU: MSAD 57
School: Waterboro 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	4	1	25	2	50	1	25	0	0	453	3	13	38	50	0	445	4	2	45	36	17	441
B. less than one hour	89	6	6	62	65	26	27	1	1	447	84	6	69	21	4	447	75	5	67	23	4	447
C. one to two hours	7	0	0	6	75	2	25	0	0	447	12	3	78	19	0	449	18	5	67	23	5	447
D. more than two hours	0										1	0	100	0	0	451	2	3	45	36	16	442
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	42	4	9	32	71	9	20	0	0	449	45	8	78	12	2	449	40	8	71	17	4	449
B. good	44	3	6	30	64	14	30	0	0	446	42	4	62	30	4	445	45	3	66	25	5	446
C. fair	12	0	0	8	62	4	31	1	8	444	11	0	71	23	6	444	13	1	54	35	10	442
D. poor	2	0	0	0	0	2	100	0	0	438	1	0	33	67	0	440	2	0	39	42	19	439
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.	34	1	3	23	64	12	33	0	0	445	31	5	66	28	1	447	31	8	69	19	4	448
B. They match some of what I have learned.	54	6	10	37	64	14	24	1	2	448	55	7	72	18	2	448	53	4	68	23	4	447
C. They match just a little of what I have learned.	12	0	0	10	77	3	23	0	0	444	11	0	87	10	3	447	11	2	54	35	10	442
D. There is no match.	0										3	0	11	44	44	432	4	1	39	40	20	439
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	19	0	0	10	50	9	45	1	5	443	21	4	61	32	4	445	19	4	54	31	11	443
B. about the same as my regular schoolwork	70	6	8	53	71	16	21	0	0	448	65	7	72	18	3	448	63	6	69	22	4	447
C. easier than my regular schoolwork	11	1	8	7	58	4	33	0	0	444	14	3	72	23	3	446	18	4	68	23	5	446
How hard were the reading passages on this test?																						
A. Most of the passages were harder than what I normally read.	13	0	0	6	43	7	50	1	7	441	13	0	43	46	11	440	13	0	39	43	17	439
B. Most of the passages were about the same as what I normally read.	60	3	5	45	70	16	25	0	0	447	53	6	74	18	2	448	52	4	69	24	4	446
C. Most of the passages were easier than what I normally read.	26	4	14	18	64	6	21	0	0	450	34	8	73	17	2	449	35	9	72	16	3	449
How much time do you spend reading at home each day?																						
A. more than one hour	21	0	0	19	86	3	14	0	0	449	19	2	85	12	2	449	21	8	68	19	5	448
B. 20 minutes to an hour	60	3	5	45	70	15	23	1	2	447	57	5	74	17	3	447	55	5	70	21	4	447
C. less than 20 minutes	14	3	20	4	27	8	53	0	0	446	13	11	42	42	6	444	13	2	57	33	8	443
D. I rarely read at home.	6	1	17	2	33	3	50	0	0	444	11	7	55	34	3	444	11	1	51	37	11	442
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	25	1	4	14	56	10	40	0	0	445	23	5	61	29	5	445	25	3	59	30	8	444
B. six to ten pages	18	1	6	13	72	4	22	0	0	446	22	3	67	28	2	446	24	4	64	26	6	445
C. eleven or more pages	57	5	9	39	70	12	21	0	0	449	55	6	76	15	3	448	51	7	70	20	4	448
Optional school/SAU question																						
A.	90	0	0	5	56	4	44	0	0	444	82	0	56	44	0	444						
B.	0										9	0	100	0	0	448						
C.	0										0											
D.	10	0	0	1	100	0	0	0	0	448	9	0	100	0	0	448						

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: 4
SAU: MSAD 57
School: Waterboro 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 462–480)	2006-2007	4	4	14	6	1054	8
	2007-2008	13	12	25	10	1321	9
	2008-2009	**22**	**21**	**53**	**19**	**1712**	**13**
	Cum. Total*	39	13	92	12	4087	10
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 442–460)	2006-2007	45	51	126	51	7394	53
	2007-2008	54	51	130	50	7079	51
	2008-2009	**63**	**59**	**153**	**56**	**7270**	**53**
	Cum. Total*	162	54	409	53	21743	52
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 430–440)	2006-2007	31	35	72	29	3729	27
	2007-2008	35	33	79	31	3955	28
	2008-2009	**18**	**17**	**47**	**17**	**3219**	**24**
	Cum. Total*	84	28	198	25	10903	26
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 400–428)	2006-2007	9	10	34	14	1735	12
	2007-2008	4	4	25	10	1642	12
	2008-2009	**3**	**3**	**21**	**8**	**1408**	**10**
	Cum. Total*	16	5	80	10	4785	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**	34.2	71.3	33.0	68.8	30.8	64.2
A. Number	**20**	**42**	14.7	73.5	14.0	70.0	12.5	62.5
B. Data	**8**	**17**	5.4	67.5	5.4	67.5	5.3	66.3
C. Geometry	**10**	**21**	7.0	70.0	6.7	67.0	6.5	65.0
D. Algebra	**10**	**21**	7.1	71.0	6.8	68.0	6.5	65.0

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: 4
SAU: MSAD 57
School: Waterboro 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	106	22	21	63	59	18	17	3	3	452	274	19	56	17	8	450	13609	13	53	24	10	446
Ethnicity																						
African American/Black	2										3						415	5	41	30	24	439
American Indian or Native Alaskan	0										2						123	12	46	28	13	445
Asian or Pacific Islander	0										4						225	22	45	20	12	448
Hispanic	0										0						147	3	58	30	10	443
Caucasian/White	104	22	21	61	59	18	17	3	3	452	265	19	56	17	8	450	12699	13	54	23	10	447
Not Reported	0										0						0					
Identified disability																						
Yes	15	0	0	12	80	3	20	0	0	449	32	0	53	19	28	439	2227	3	34	33	30	437
No	91	22	24	51	56	15	16	3	3	452	242	22	56	17	5	451	11382	14	57	22	7	448
Current LEP																						
Yes	0										0						370	7	35	31	27	439
No	106	22	21	63	59	18	17	3	3	452	274	19	56	17	8	450	13239	13	54	23	10	447
Economically disadvantaged																						
Yes	42	7	17	26	62	8	19	1	2	450	83	18	55	20	6	450	5704	6	48	30	16	442
No	64	15	23	37	58	10	16	2	3	453	191	20	56	16	8	450	7905	18	57	19	6	450
Migrant																						
Yes	0										0						6	17	33	50	0	448
No	106	22	21	63	59	18	17	3	3	452	274	19	56	17	8	450	13603	13	53	24	10	446
Gender																						
Female	56	11	20	30	54	13	23	2	4	451	146	18	57	18	7	450	6591	12	54	24	11	446
Male	50	11	22	33	66	5	10	1	2	453	128	21	55	16	9	450	7018	13	53	24	10	447
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										4						2131	3	41	38	18	440
No	106	22	21	63	59	18	17	3	3	452	270	19	56	17	7	450	11478	14	56	21	9	448
Gifted/talented program																						
Yes	0										0						324	64	34	2	0	464
No	106	22	21	63	59	18	17	3	3	452	274	19	56	17	8	450	13285	11	54	24	11	446

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: 4
SAU: MSAD 57
School: Waterboro 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	4	0	0	4	100	0	0	0	0	452	3	13	50	0	38	441	4	4	37	30	28	438
B. less than one hour	89	22	23	53	56	16	17	3	3	452	84	21	55	18	6	451	75	13	55	23	9	447
C. one to two hours	8	0	0	6	75	2	25	0	0	450	12	9	66	16	9	448	18	12	54	24	10	446
D. more than two hours	0										1	25	50	25	0	453	2	7	39	29	25	440
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	37	12	31	24	62	3	8	0	0	456	34	33	55	10	2	455	37	22	56	16	7	451
B. good	49	9	17	33	63	9	17	1	2	451	46	15	62	17	6	450	45	9	56	25	9	446
C. fair	12	1	8	5	38	6	46	1	8	444	17	7	40	33	20	441	14	3	46	34	17	440
D. poor	2	0	0	1	50	0	0	1	50	438	3	0	63	13	25	441	3	2	33	35	29	436
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.	40	13	31	23	55	4	10	2	5	454	42	25	60	10	5	453	35	19	56	19	7	450
B. They match some of what I have learned.	49	9	17	33	63	10	19	0	0	452	49	18	56	22	4	450	51	11	56	25	8	446
C. They match just a little of what I have learned.	8	0	0	6	67	3	33	0	0	447	6	0	47	24	29	439	10	5	43	31	21	440
D. There is no match.	3	0	0	1	33	1	33	1	33	437	3	0	14	29	57	429	4	3	26	33	37	434
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	12	3	23	8	62	1	8	1	8	451	15	10	40	15	35	439	17	5	44	31	20	441
B. about the same as my regular schoolwork	71	14	19	44	59	15	20	2	3	451	69	18	61	18	3	451	62	13	57	23	7	448
C. easier than my regular schoolwork	16	4	24	11	65	2	12	0	0	455	17	33	53	13	0	456	21	18	53	19	10	449
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	3	1	33	2	67	0	0	0	0	457	6	19	38	31	13	446	7	6	36	32	27	438
B. 30–45 minutes	30	6	19	20	63	3	9	3	9	451	31	14	55	19	11	448	25	7	52	28	12	444
C. 45–60 minutes	16	4	24	8	47	5	29	0	0	450	25	19	57	12	12	449	38	14	56	22	8	448
D. more than 60 minutes	51	11	20	33	61	10	19	0	0	453	38	24	59	16	1	453	30	18	56	19	7	449
How often do you use calculators in mathematics class?																						
A. almost every day	0										2	0	20	40	40	437	3	4	36	31	28	438
B. two or three days a week	4	1	25	2	50	0	0	1	25	444	9	12	56	12	20	444	12	13	51	26	10	446
C. two or three times each month	26	5	18	20	71	3	11	0	0	453	29	18	65	10	6	451	32	15	58	20	7	449
D. never or almost never	70	16	22	41	55	15	20	2	3	452	60	22	53	20	5	451	53	11	53	25	11	446
How often do you use hands-on materials in mathematics class?																						
A. almost every day	14	3	20	9	60	2	13	1	7	449	30	16	58	16	10	448	26	12	50	25	13	445
B. two or three days a week	33	9	26	18	53	6	18	1	3	454	34	27	50	15	8	452	32	14	57	21	7	448
C. two or three times each month	28	7	24	17	59	5	17	0	0	453	20	19	58	19	4	450	26	13	56	22	8	448
D. never or almost never	25	3	12	17	65	5	19	1	4	449	16	12	62	19	7	448	17	9	50	27	13	444
Optional school/SAU question																						
A.	90	2	22	6	67	0	0	1	11	452	82	22	67	0	11	452						
B.	0										9	100	0	0	0	464						
C.	0										0											
D.	10	0	0	0	0	1	100	0	0	436	9	0	0	100	0	436						

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