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:	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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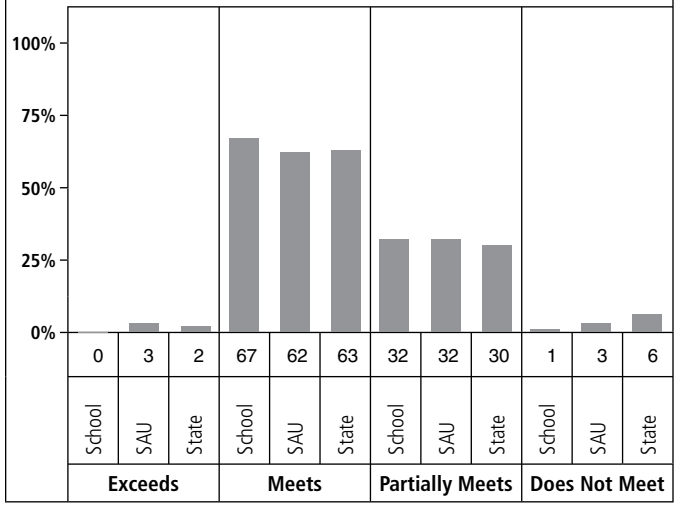
SUMMARY OF SCORES

Test Date: March 2009
Grade: 3
SAU: MSAD 57
School: Waterboro Elementary School

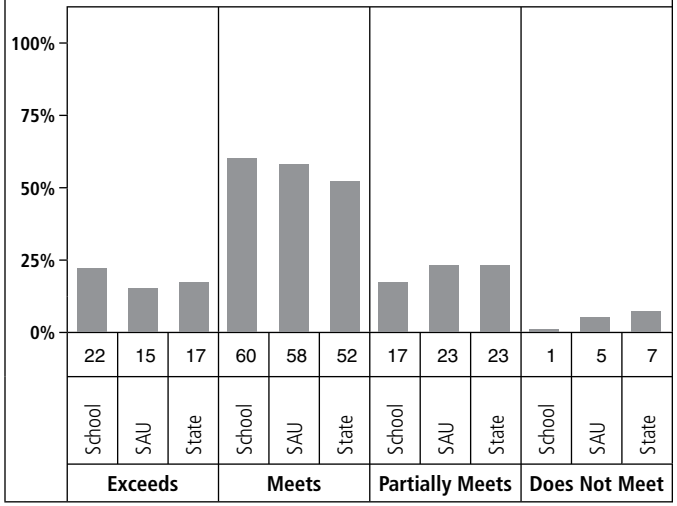
Summary of School, SAU, and State Scores

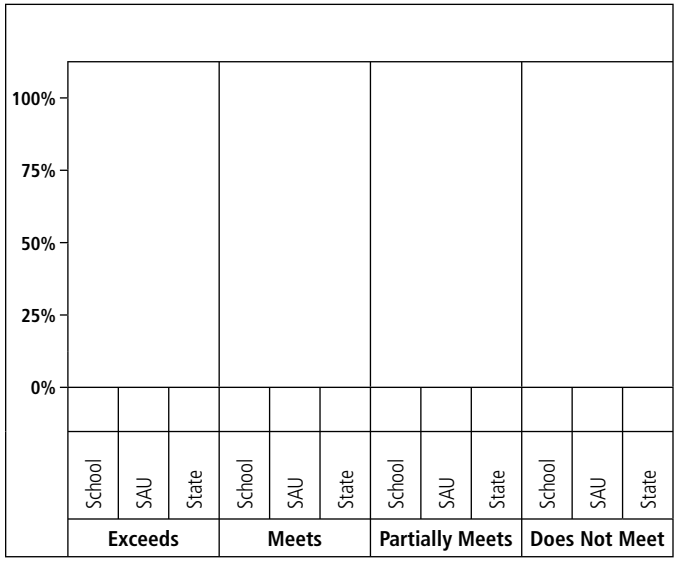
Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	345	345	345
2007–2008	343	345	344
2008–2009	**345**	**345**	**345**
Cum. Avg.*	344	345	345
Mathematics			
2006–2007	348	348	347
2007–2008	350	349	347
2008–2009	**354**	**349**	**348**
Cum. Avg.*	351	349	347

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 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	267	100	13763	100	106	100	265	100	13691	100	106	100	265	100	13691	100						
Ethnicity African American/Black	2	2	4	1	416	3	2	100	4	100	412	99	2	100	4	100	414	100						
American Indian or Native Alaskan	0	0	3	1	102	1	0	0	3	100	101	100	0	0	3	100	101	100						
Asian or Pacific Islander	2	2	4	1	232	2	2	100	4	100	226	97	2	100	4	100	227	98						
Hispanic	0	0	1	0	167	1	0	0	0	0	164	98	0	0	0	0	164	98						
Caucasian/White	103	96	255	96	12846	93	102	100	254	100	12788	100	102	100	254	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	19	18	39	15	2414	18	18	100	37	97	2388	100	18	100	37	97	2388	100						
Current LEP	0	0	0	0	420	3	0	0	0	0	413	98	0	0	0	0	417	99						
Economically disadvantaged	49	46	97	36	5887	43	49	100	96	99	5847	100	49	100	96	99	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	89	83	221	83	10316	75	91	85	222	83	10355	75						
Identified disability (PET/IEP)	1	1	4	2	437	4	3	3	6	3	445	4						
LEP	0	0	0	0	192	2	0	0	0	0	193	2						
504 plan	0	0	7	3	83	1	0	0	7	3	83	1						
Participation with accommodations	14	13	40	15	3179	23	13	12	41	15	3152	23						
Identified disability (PET/IEP)	14	100	29	73	1757	55	13	100	29	71	1759	56						
LEP	0	0	0	0	214	7	0	0	0	0	219	7						
504 plan	0	0	2	5	63	2	0	0	3	7	64	2						
Other	0	0	9	23	1192	37	0	0	10	24	1157	37						
Participation through alternate assessment (PAAP)	3	3	4	1	194	1	2	2	2	1	184	1						
Identified disability (PET/IEP)	3	100	4	100	194	100	2	100	2	100	184	100						
LEP	0	0	0	0	5	3	0	0	0	0	5	3						
504 plan	0	0	1	25	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	1	1	1	0	19	0	1	1	1	0	21	0						
Non-participation – other	0	0	1	0	53	0	0	0	1	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 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 362–380)	2006-2007	2	2	5	2	332	2
	2007-2008	1	1	4	1	227	2
	2008-2009	**0**	**0**	**7**	**3**	**262**	**2**
	Cum. Total*	3	1	16	2	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	64	62	158	61	8691	63
	2007-2008	61	57	171	62	8403	62
	2008-2009	**69**	**67**	**162**	**62**	**8500**	**63**
	Cum. Total*	194	62	491	62	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	32	31	77	30	3781	27
	2007-2008	39	36	85	31	4018	30
	2008-2009	**33**	**32**	**84**	**32**	**3985**	**30**
	Cum. Total*	104	33	246	31	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	5	5	17	7	1021	7
	2007-2008	6	6	16	6	938	7
	2008-2009	**1**	**1**	**8**	**3**	**748**	**6**
	Cum. Total*	12	4	41	5	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**	28.5	62.0	28.4	61.7	28.3	61.5
A1/A2 Interconnected Elements/Literary Text	**32**	**70**	20.1	62.8	19.9	62.2	19.9	62.2
A1/A3 Interconnected Elements/Informational Text	**14**	**30**	8.5	60.7	8.4	60.0	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 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	103	0	0	69	67	33	32	1	1	345	261	3	62	32	3	345	13495	2	63	30	6	345
Ethnicity																						
African American/Black	2										4						402	0	40	41	18	339
American Indian or Native Alaskan	0										3						99	0	64	31	5	343
Asian or Pacific Islander	2										4						222	4	63	25	8	345
Hispanic	0										0						162	0	51	38	10	342
Caucasian/White	99	0	0	66	67	32	32	1	1	345	250	3	62	32	3	345	12610	2	64	29	5	345
Not Reported	0										0						0					
Identified disability																						
Yes	15	0	0	9	60	6	40	0	0	343	33	0	33	64	3	340	2194	0	32	50	18	338
No	88	0	0	60	68	27	31	1	1	345	228	3	66	28	3	345	11301	2	69	26	3	346
Current LEP																						
Yes	0										0						406	0	39	41	20	339
No	103	0	0	69	67	33	32	1	1	345	261	3	62	32	3	345	13089	2	64	29	5	345
Economically disadvantaged																						
Yes	47	0	0	29	62	17	36	1	2	344	94	2	55	37	5	343	5721	1	52	39	9	342
No	56	0	0	40	71	16	29	0	0	345	167	3	66	29	2	346	7774	3	71	23	3	346
Migrant																						
Yes	0										0						6	0	67	33	0	345
No	103	0	0	69	67	33	32	1	1	345	261	3	62	32	3	345	13489	2	63	30	6	345
Gender																						
Female	48	0	0	35	73	13	27	0	0	346	124	4	69	24	2	346	6568	3	67	26	4	346
Male	55	0	0	34	62	20	36	1	2	343	137	1	55	39	4	343	6927	1	59	33	7	343
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	22	0	0	7	32	14	64	1	5	339	38	0	42	53	5	341	2300	0	39	49	11	340
No	81	0	0	62	77	19	23	0	0	346	223	3	65	29	3	345	11195	2	68	25	4	345
Gifted/talented program																						
Yes	0										0						155	11	87	2	0	354
No	103	0	0	69	67	33	32	1	1	345	261	3	62	32	3	345	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 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	7	0	0	5	71	2	29	0	0	343	5	0	62	31	8	341	5	1	44	39	16	340
B. less than one hour	80	0	0	55	69	24	30	1	1	345	85	3	64	31	2	345	80	2	66	28	4	345
C. one to two hours	13	0	0	8	62	5	38	0	0	345	8	0	62	33	5	344	13	2	61	32	6	344
D. more than two hours	0										1	0	0	67	33	335	3	1	36	45	18	339
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	52	0	0	41	80	10	20	0	0	347	51	3	69	26	2	346	47	3	68	24	4	346
B. good	44	0	0	26	60	16	37	1	2	343	37	3	55	37	5	343	41	1	62	31	5	344
C. fair	3	0	0	1	33	2	67	0	0	341	10	0	62	35	4	343	9	0	51	41	8	342
D. poor	1	0	0	0	0	1	100	0	0	336	2	0	50	50	0	342	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.	35	0	0	26	76	7	21	1	3	345	28	4	65	30	1	345	31	3	63	28	6	345
B. They match some of what I have learned.	49	0	0	32	67	16	33	0	0	345	49	2	66	30	2	345	49	2	68	26	3	345
C. They match just a little of what I have learned.	12	0	0	7	58	5	42	0	0	342	16	2	56	32	10	342	14	1	53	39	7	342
D. There is no match.	4	0	0	2	50	2	50	0	0	341	7	0	44	50	6	341	6	0	43	43	14	340
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	15	0	0	10	67	5	33	0	0	344	23	5	59	36	0	345	18	1	50	38	11	342
B. about the same as my regular schoolwork	62	0	0	43	69	18	29	1	2	345	56	2	66	28	4	345	57	2	68	26	3	346
C. easier than my regular schoolwork	23	0	0	16	70	7	30	0	0	344	21	2	59	35	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.	11	0	0	5	45	6	55	0	0	342	16	2	43	50	5	342	15	0	38	48	14	340
B. Most of the passages were about the same as what I normally read.	51	0	0	35	69	15	29	1	2	343	49	2	65	29	4	344	48	2	66	29	4	345
C. Most of the passages were easier than what I normally read.	38	0	0	29	76	9	24	0	0	347	34	5	69	25	1	347	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	58	8	42	0	0	343	18	4	65	30	0	345	22	3	67	25	4	346
B. 20 minutes to an hour	42	0	0	28	67	14	33	0	0	345	40	4	63	30	3	346	46	2	68	26	4	346
C. less than 20 minutes	36	0	0	27	75	8	22	1	3	345	27	0	68	29	3	344	18	1	56	36	8	343
D. I rarely read at home.	3	0	0	3	100	0	0	0	0	345	15	3	49	41	8	343	14	0	50	40	10	341
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	14	0	0	10	71	4	29	0	0	344	28	3	55	39	3	343	29	1	56	36	7	343
B. six to ten pages	15	0	0	9	60	6	40	0	0	342	18	5	55	36	5	343	21	2	62	31	5	344
C. eleven or more pages	70	0	0	49	71	19	28	1	1	345	54	2	69	26	3	346	50	3	68	25	5	346
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	100	0	0	1	100	0	0	0	0	348	100	0	100	0	0	348						

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 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 362–380)	2006-2007	23	22	45	17	1985	14
	2007-2008	20	19	50	18	2277	17
	2008-2009	**23**	**22**	**39**	**15**	**2328**	**17**
	Cum. Total*	66	21	134	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	45	44	128	50	6990	51
	2007-2008	61	57	144	52	6764	50
	2008-2009	**62**	**60**	**152**	**58**	**7045**	**52**
	Cum. Total*	168	54	424	53	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	27	26	67	26	3673	27
	2007-2008	19	18	63	23	3504	26
	2008-2009	**18**	**17**	**60**	**23**	**3137**	**23**
	Cum. Total*	64	20	190	24	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	8	8	18	7	1193	9
	2007-2008	7	7	19	7	1044	8
	2008-2009	**1**	**1**	**12**	**5**	**997**	**7**
	Cum. Total*	16	5	49	6	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**	35.4	73.8	32.6	67.9	31.5	65.6
A. Number	**20**	**42**	14.1	70.5	13.2	66.0	12.8	64.0
B. Data	**8**	**17**	6.6	82.5	6.3	78.8	6.1	76.3
C. Geometry	**8**	**17**	6.3	78.8	5.7	71.3	5.5	68.8
D. Algebra	**12**	**25**	8.4	70.0	7.4	61.7	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 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	104	23	22	62	60	18	17	1	1	354	263	15	58	23	5	349	13507	17	52	23	7	348
Ethnicity																						
African American/Black	2										4						407	7	37	32	24	338
American Indian or Native Alaskan	0										3						99	7	47	38	7	344
Asian or Pacific Islander	2										4						223	25	45	24	7	350
Hispanic	0										0						162	6	44	35	15	341
Caucasian/White	100	22	22	60	60	17	17	1	1	354	252	15	58	23	4	350	12616	18	53	23	7	348
Not Reported	0										0						0					
Identified disability																						
Yes	16	1	6	12	75	3	19	0	0	352	35	6	43	34	17	342	2204	6	36	36	22	338
No	88	22	25	50	57	15	17	1	1	354	228	16	60	21	3	351	11303	19	55	21	4	350
Current LEP																						
Yes	0										0						412	7	37	35	21	339
No	104	23	22	62	60	18	17	1	1	354	263	15	58	23	5	349	13095	18	53	23	7	348
Economically disadvantaged																						
Yes	47	10	21	28	60	9	19	0	0	353	94	14	52	29	5	348	5727	10	48	31	12	343
No	57	13	23	34	60	9	16	1	2	355	169	15	61	20	4	350	7780	23	55	18	4	351
Migrant																						
Yes	0										0						6	0	67	33	0	345
No	104	23	22	62	60	18	17	1	1	354	263	15	58	23	5	349	13501	17	52	23	7	348
Gender																						
Female	47	13	28	24	51	9	19	1	2	354	123	18	54	24	5	350	6568	16	52	24	8	348
Male	57	10	18	38	67	9	16	0	0	354	140	12	61	22	4	349	6939	18	53	22	7	348
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	22	0	0	12	55	9	41	1	5	344	38	3	47	39	11	343	2300	4	43	39	14	340
No	82	23	28	50	61	9	11	0	0	357	225	17	60	20	4	351	11207	20	54	20	6	350
Gifted/talented program																						
Yes	0										0						155	73	26	1	0	368
No	104	23	22	62	60	18	17	1	1	354	263	15	58	23	5	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 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	7	0	0	3	43	4	57	0	0	343	5	7	43	50	0	345	5	9	38	32	21	340
B. less than one hour	80	21	26	49	60	11	13	1	1	355	85	16	59	20	5	350	80	19	54	22	5	349
C. one to two hours	13	2	15	9	69	2	15	0	0	353	8	10	62	29	0	349	13	16	51	24	9	347
D. more than two hours	0										1	0	33	0	67	330	3	6	31	39	24	337
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	44	14	31	25	56	6	13	0	0	357	43	19	64	14	4	352	40	25	51	17	7	351
B. good	37	8	21	23	61	6	16	1	3	353	40	17	55	23	5	349	45	14	56	24	6	348
C. fair	16	0	0	12	75	4	25	0	0	351	13	0	64	33	3	346	12	7	49	34	10	343
D. poor	3	0	0	2	67	1	33	0	0	346	4	0	18	64	18	336	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.	50	15	29	27	53	8	16	1	2	356	43	21	51	20	8	350	38	23	52	19	5	351
B. They match some of what I have learned.	38	6	16	25	66	7	18	0	0	353	39	11	67	21	1	350	45	16	56	22	6	348
C. They match just a little of what I have learned.	8	0	0	6	75	2	25	0	0	346	13	9	52	36	3	345	12	10	45	33	12	343
D. There is no match.	4	1	25	3	75	0	0	0	0	357	5	8	67	17	8	350	5	5	35	38	22	338
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	14	3	21	8	57	3	21	0	0	354	16	12	51	29	7	346	17	8	45	34	13	342
B. about the same as my regular schoolwork	64	13	20	42	65	10	15	0	0	354	60	14	61	21	3	350	59	19	55	21	5	350
C. easier than my regular schoolwork	23	6	26	12	52	4	17	1	4	353	24	18	55	20	7	350	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	8	0	0	6	75	2	25	0	0	348	12	3	53	40	3	344	15	8	41	35	15	341
B. 30–45 minutes	21	5	24	10	48	5	24	1	5	350	22	15	56	24	5	350	29	16	54	23	6	348
C. 45–60 minutes	59	17	28	37	62	6	10	0	0	357	37	24	58	14	4	353	32	21	55	19	5	350
D. more than 60 minutes	13	0	0	9	69	4	31	0	0	348	30	9	63	24	4	347	25	21	53	20	6	350
How often do you use calculators in mathematics class?																						
A. almost every day	6	2	33	3	50	1	17	0	0	354	8	14	52	24	10	346	6	6	33	39	23	337
B. two or three days a week	15	2	14	10	71	2	14	0	0	352	22	16	54	21	9	348	12	15	55	22	8	348
C. two or three times each month	34	5	15	23	70	5	15	0	0	355	29	12	61	24	3	350	26	20	56	19	5	350
D. never or almost never	45	12	28	22	51	8	19	1	2	354	40	16	59	23	3	350	56	18	52	23	7	348
How often do you use hands-on materials in mathematics class?																						
A. almost every day	34	5	16	23	72	4	13	0	0	354	35	10	62	22	6	348	37	14	51	27	9	346
B. two or three days a week	31	10	34	17	59	2	7	0	0	359	28	24	54	19	3	353	27	20	55	19	6	350
C. two or three times each month	21	4	20	12	60	3	15	1	5	353	20	16	55	20	8	349	19	22	53	19	6	350
D. never or almost never	15	2	14	6	43	6	43	0	0	347	17	7	59	32	2	347	18	15	51	26	8	347
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	100	0	0	1	100	0	0	0	0	350	100	0	100	0	0	350						

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