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:	12211577
SAU:	MSAD 27
School:	Wallagrass 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.

Topic ***Page***

Summary of Scores 2
Summary of Student Participation 3
English Language Arts – Reading Results 4-6
Mathematics Results. 7-9

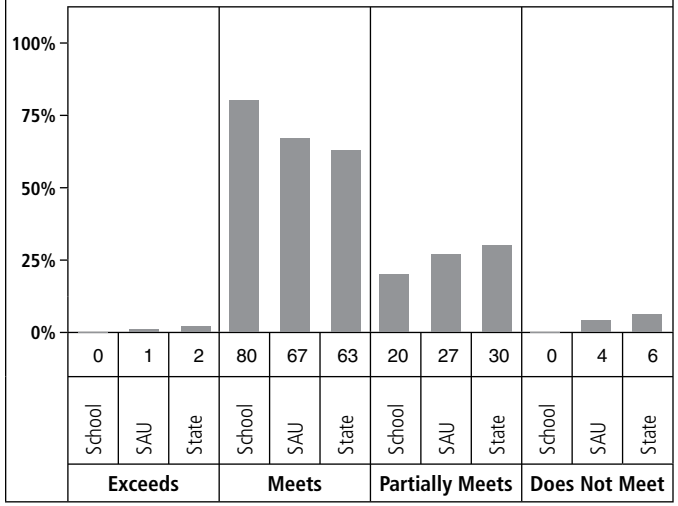
SUMMARY OF SCORES

Test Date: March 2009
Grade: 3
SAU: MSAD 27
School: Wallagrass Elementary School

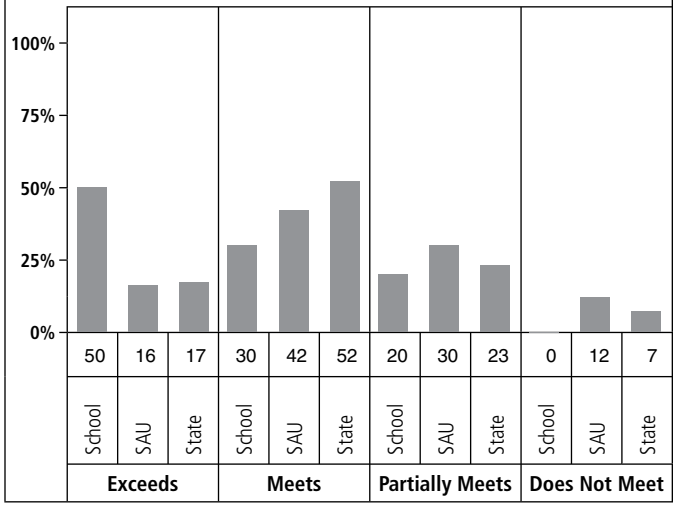
Summary of School, SAU, and State Scores

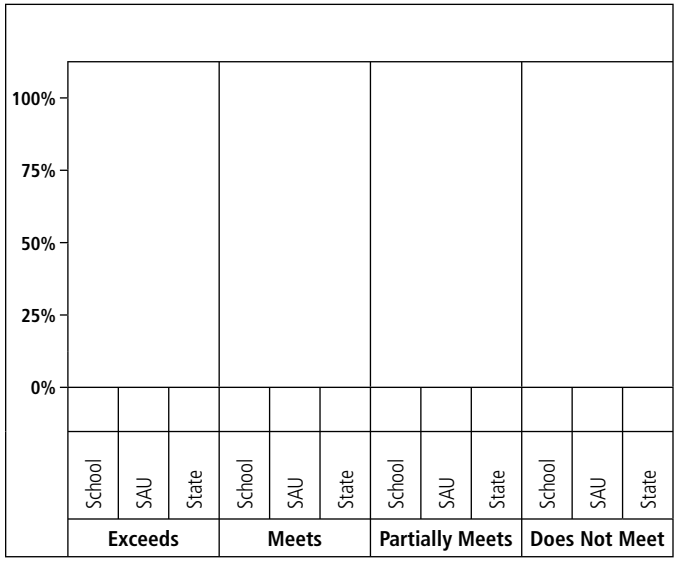
Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	341	343	345
2007–2008	344	345	344
2008–2009	**351**	**345**	**345**
Cum. Avg.*	346	344	345
Mathematics			
2006–2007	355	343	347
2007–2008	350	346	347
2008–2009	**360**	**345**	**348**
Cum. Avg.*	354	345	347

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 27
School: Wallagrass 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	10	100	67	100	13763	100	10	100	67	100	13691	100	10	100	67	100	13691	100						
Ethnicity African American/Black	0	0	0	0	416	3	0	0	0	0	412	99	0	0	0	0	414	100						
American Indian or Native Alaskan	0	0	0	0	102	1	0	0	0	0	101	100	0	0	0	0	101	100						
Asian or Pacific Islander	0	0	1	1	232	2	0	0	1	100	226	97	0	0	1	100	227	98						
Hispanic	0	0	0	0	167	1	0	0	0	0	164	98	0	0	0	0	164	98						
Caucasian/White	10	100	66	99	12846	93	10	100	66	100	12788	100	10	100	66	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	1	10	12	18	2414	18	1	100	12	100	2388	100	1	100	12	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	4	40	35	52	5887	43	4	100	35	100	5847	100	4	100	35	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	9	90	59	88	10316	75	9	90	60	90	10355	75						
Identified disability (PET/IEP)	0	0	5	8	437	4	0	0	6	10	445	4						
LEP	0	0	0	0	192	2	0	0	0	0	193	2						
504 plan	0	0	0	0	83	1	0	0	0	0	83	1						
Participation with accommodations	1	10	8	12	3179	23	1	10	7	10	3152	23						
Identified disability (PET/IEP)	1	100	7	88	1757	55	1	100	6	86	1759	56						
LEP	0	0	0	0	214	7	0	0	0	0	219	7						
504 plan	1	100	1	13	63	2	1	100	1	14	64	2						
Other	0	0	1	13	1192	37	0	0	1	14	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 27
School:	Wallagrass 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	0	0	1	1	332	2
	2007-2008	0	0	0	0	227	2
	2008-2009	**0**	**0**	**1**	**1**	**262**	**2**
	Cum. Total*	0	0	2	1	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	4	67	45	57	8691	63
	2007-2008	13	72	62	71	8403	62
	2008-2009	**8**	**80**	**45**	**67**	**8500**	**63**
	Cum. Total*	25	74	152	65	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	1	17	28	35	3781	27
	2007-2008	4	22	22	25	4018	30
	2008-2009	**2**	**20**	**18**	**27**	**3985**	**30**
	Cum. Total*	7	21	68	29	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	1	17	5	6	1021	7
	2007-2008	1	6	3	3	938	7
	2008-2009	**0**	**0**	**3**	**4**	**748**	**6**
	Cum. Total*	2	6	11	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**	33.2	72.2	29.2	63.5	28.3	61.5
A1/A2 Interconnected Elements/Literary Text	**32**	**70**	22.6	70.6	20.3	63.4	19.9	62.2
A1/A3 Interconnected Elements/Informational Text	**14**	**30**	10.6	75.7	8.8	62.9	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 27
School: Wallagrass 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	10	0	0	8	80	2	20	0	0	351	67	1	67	27	4	345	13495	2	63	30	6	345
Ethnicity																						
African American/Black	0										0						402	0	40	41	18	339
American Indian or Native Alaskan	0										0						99	0	64	31	5	343
Asian or Pacific Islander	0										1						222	4	63	25	8	345
Hispanic	0										0						162	0	51	38	10	342
Caucasian/White	10	0	0	8	80	2	20	0	0	351	66	0	68	27	5	345	12610	2	64	29	5	345
Not Reported	0										0						0					
Identified disability																						
Yes	1										12	0	25	50	25	337	2194	0	32	50	18	338
No	9	0	0	7	78	2	22	0	0	351	55	2	76	22	0	347	11301	2	69	26	3	346
Current LEP																						
Yes	0										0						406	0	39	41	20	339
No	10	0	0	8	80	2	20	0	0	351	67	1	67	27	4	345	13089	2	64	29	5	345
Economically disadvantaged																						
Yes	4										35	0	57	40	3	344	5721	1	52	39	9	342
No	6	0	0	6	100	0	0	0	0	353	32	3	78	13	6	347	7774	3	71	23	3	346
Migrant																						
Yes	0										0						6	0	67	33	0	345
No	10	0	0	8	80	2	20	0	0	351	67	1	67	27	4	345	13489	2	63	30	6	345
Gender																						
Female	5	0	0	5	100	0	0	0	0	354	35	0	71	26	3	346	6568	3	67	26	4	346
Male	5	0	0	3	60	2	40	0	0	347	32	3	63	28	6	345	6927	1	59	33	7	343
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	3										27	0	56	44	0	344	2300	0	39	49	11	340
No	7	0	0	6	86	1	14	0	0	354	40	3	75	15	8	346	11195	2	68	25	4	345
Gifted/talented program																						
Yes	0										0						155	11	87	2	0	354
No	10	0	0	8	80	2	20	0	0	351	67	1	67	27	4	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 27
School: Wallagrass 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	0										9	17	17	50	17	342	5	1	44	39	16	340
B. less than one hour	100	0	0	8	80	2	20	0	0	351	77	0	78	20	2	347	80	2	66	28	4	345
C. one to two hours	0										11	0	57	43	0	343	13	2	61	32	6	344
D. more than two hours	0										3	0	0	50	50	330	3	1	36	45	18	339
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	70	0	0	7	100	0	0	0	0	353	41	4	70	22	4	347	47	3	68	24	4	346
B. good	30	0	0	1	33	2	67	0	0	345	41	0	67	33	0	345	41	1	62	31	5	344
C. fair	0										14	0	67	22	11	342	9	0	51	41	8	342
D. poor	0										5	0	33	33	33	338	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.	40	0	0	3	75	1	25	0	0	348	30	0	70	30	0	346	31	3	63	28	6	345
B. They match some of what I have learned.	60	0	0	5	83	1	17	0	0	353	56	3	73	19	5	347	49	2	68	26	3	345
C. They match just a little of what I have learned.	0										9	0	50	50	0	343	14	1	53	39	7	342
D. There is no match.	0										5	0	33	33	33	335	6	0	43	43	14	340
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	22	0	0	1	50	1	50	0	0	346	22	7	36	50	7	343	18	1	50	38	11	342
B. about the same as my regular schoolwork	67	0	0	6	100	0	0	0	0	353	71	0	76	20	4	346	57	2	68	26	3	346
C. easier than my regular schoolwork	11	0	0	0	0	1	100	0	0	340	8	0	60	40	0	345	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.	10	0	0	0	0	1	100	0	0	340	12	0	25	63	13	338	15	0	38	48	14	340
B. Most of the passages were about the same as what I normally read.	40	0	0	4	100	0	0	0	0	354	54	0	66	29	6	345	48	2	66	29	4	345
C. Most of the passages were easier than what I normally read.	50	0	0	4	80	1	20	0	0	350	34	5	82	14	0	349	37	3	70	23	4	347
How much time do you spend reading at home each day?																						
A. more than one hour	11	0	0	1	100	0	0	0	0	344	28	0	83	6	11	344	22	3	67	25	4	346
B. 20 minutes to an hour	67	0	0	4	67	2	33	0	0	350	43	4	61	32	4	347	46	2	68	26	4	346
C. less than 20 minutes	22	0	0	2	100	0	0	0	0	354	15	0	70	30	0	347	18	1	56	36	8	343
D. I rarely read at home.	0										14	0	44	56	0	342	14	0	50	40	10	341
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	0										34	0	73	23	5	345	29	1	56	36	7	343
B. six to ten pages	0										13	0	50	38	13	342	21	2	62	31	5	344
C. eleven or more pages	100	0	0	8	80	2	20	0	0	351	53	3	71	24	3	347	50	3	68	25	5	346
Optional school/SAU question																						
A.	0										50	0	0	100	0	338						
B.	0										0											
C.	0										50	0	0	100	0	340						
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 27
School: Wallagrass 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	1	17	8	10	1985	14
	2007-2008	3	17	8	9	2277	17
	2008-2009	**5**	**50**	**11**	**16**	**2328**	**17**
	Cum. Total*	9	26	27	12	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	4	67	35	44	6990	51
	2007-2008	11	61	47	54	6764	50
	2008-2009	**3**	**30**	**28**	**42**	**7045**	**52**
	Cum. Total*	18	53	110	47	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	1	17	24	30	3673	27
	2007-2008	4	22	28	32	3504	26
	2008-2009	**2**	**20**	**20**	**30**	**3137**	**23**
	Cum. Total*	7	21	72	31	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	0	0	12	15	1193	9
	2007-2008	0	0	4	5	1044	8
	2008-2009	**0**	**0**	**8**	**12**	**997**	**7**
	Cum. Total*	0	0	24	10	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**	38.3	79.8	29.5	61.5	31.5	65.6
A. Number	**20**	**42**	15.8	79.0	11.8	59.0	12.8	64.0
B. Data	**8**	**17**	6.8	85.0	6.1	76.3	6.1	76.3
C. Geometry	**8**	**17**	6.2	77.5	4.6	57.5	5.5	68.8
D. Algebra	**12**	**25**	9.5	79.2	7.0	58.3	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 27
School: Wallagrass 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	10	5	50	3	30	2	20	0	0	360	67	16	42	30	12	345	13507	17	52	23	7	348
Ethnicity																						
African American/Black	0										0						407	7	37	32	24	338
American Indian or Native Alaskan	0										0						99	7	47	38	7	344
Asian or Pacific Islander	0										1						223	25	45	24	7	350
Hispanic	0										0						162	6	44	35	15	341
Caucasian/White	10	5	50	3	30	2	20	0	0	360	66	15	42	30	12	344	12616	18	53	23	7	348
Not Reported	0										0						0					
Identified disability																						
Yes	1										12	0	17	42	42	330	2204	6	36	36	22	338
No	9	5	56	3	33	1	11	0	0	362	55	20	47	27	5	348	11303	19	55	21	4	350
Current LEP																						
Yes	0										0						412	7	37	35	21	339
No	10	5	50	3	30	2	20	0	0	360	67	16	42	30	12	345	13095	18	53	23	7	348
Economically disadvantaged																						
Yes	4										35	14	37	31	17	342	5727	10	48	31	12	343
No	6	2	33	2	33	2	33	0	0	353	32	19	47	28	6	348	7780	23	55	18	4	351
Migrant																						
Yes	0										0						6	0	67	33	0	345
No	10	5	50	3	30	2	20	0	0	360	67	16	42	30	12	345	13501	17	52	23	7	348
Gender																						
Female	5	2	40	2	40	1	20	0	0	356	35	9	49	26	17	342	6568	16	52	24	8	348
Male	5	3	60	1	20	1	20	0	0	364	32	25	34	34	6	348	6939	18	53	22	7	348
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	3										27	7	30	44	19	338	2300	4	43	39	14	340
No	7	5	71	2	29	0	0	0	0	366	40	23	50	20	8	350	11207	20	54	20	6	350
Gifted/talented program																						
Yes	0										0						155	73	26	1	0	368
No	10	5	50	3	30	2	20	0	0	360	67	16	42	30	12	345	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 27
School: Wallagrass 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	0										9	17	17	33	33	341	5	9	38	32	21	340
B. less than one hour	100	5	50	3	30	2	20	0	0	360	77	20	51	24	6	348	80	19	54	22	5	349
C. one to two hours	0										11	0	0	71	29	330	13	16	51	24	9	347
D. more than two hours	0										3	0	50	0	50	334	3	6	31	39	24	337
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	40	2	50	1	25	1	25	0	0	360	31	24	38	33	5	348	40	25	51	17	7	351
B. good	60	3	50	2	33	1	17	0	0	360	54	17	47	28	8	347	45	14	56	24	6	348
C. fair	0										13	0	33	33	33	332	12	7	49	34	10	343
D. poor	0										1	0	0	0	100	316	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.	11	1	100	0	0	0	0	0	0	374	26	6	47	41	6	343	38	23	52	19	5	351
B. They match some of what I have learned.	78	3	43	2	29	2	29	0	0	357	54	26	40	26	9	348	45	16	56	22	6	348
C. They match just a little of what I have learned.	11	0	0	1	100	0	0	0	0	358	15	0	40	30	30	338	12	10	45	33	12	343
D. There is no match.	0										5	0	33	33	33	329	5	5	35	38	22	338
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	22	1	50	0	0	1	50	0	0	357	24	7	20	47	27	337	17	8	45	34	13	342
B. about the same as my regular schoolwork	67	3	50	2	33	1	17	0	0	360	71	14	52	25	9	346	59	19	55	21	5	350
C. easier than my regular schoolwork	11	0	0	1	100	0	0	0	0	358	5	67	33	0	0	361	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	0										19	17	42	17	25	341	15	8	41	35	15	341
B. 30–45 minutes	0										25	6	56	31	6	344	29	16	54	23	6	348
C. 45–60 minutes	100	5	50	3	30	2	20	0	0	360	38	29	38	25	8	350	32	21	55	19	5	350
D. more than 60 minutes	0										19	0	33	50	17	339	25	21	53	20	6	350
How often do you use calculators in mathematics class?																						
A. almost every day	10	0	0	1	100	0	0	0	0	358	15	10	30	30	30	336	6	6	33	39	23	337
B. two or three days a week	0										13	0	44	56	0	342	12	15	55	22	8	348
C. two or three times each month	40	3	75	0	0	1	25	0	0	361	19	31	31	23	15	347	26	20	56	19	5	350
D. never or almost never	50	2	40	2	40	1	20	0	0	360	52	17	49	26	9	347	56	18	52	23	7	348
How often do you use hands-on materials in mathematics class?																						
A. almost every day	20	1	50	0	0	1	50	0	0	350	40	11	37	41	11	340	37	14	51	27	9	346
B. two or three days a week	10	0	0	1	100	0	0	0	0	358	19	0	38	31	31	335	27	20	55	19	6	350
C. two or three times each month	40	2	50	1	25	1	25	0	0	360	19	23	46	23	8	351	19	22	53	19	6	350
D. never or almost never	30	2	67	1	33	0	0	0	0	368	21	36	50	14	0	357	18	15	51	26	8	347
Optional school/SAU question																						
A.	0										50	0	0	0	100	316						
B.	0										0											
C.	0										50	0	0	100	0	334						
D.	0										0											

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