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:	12481700
SAU:	MSAD 54
School:	Canaan 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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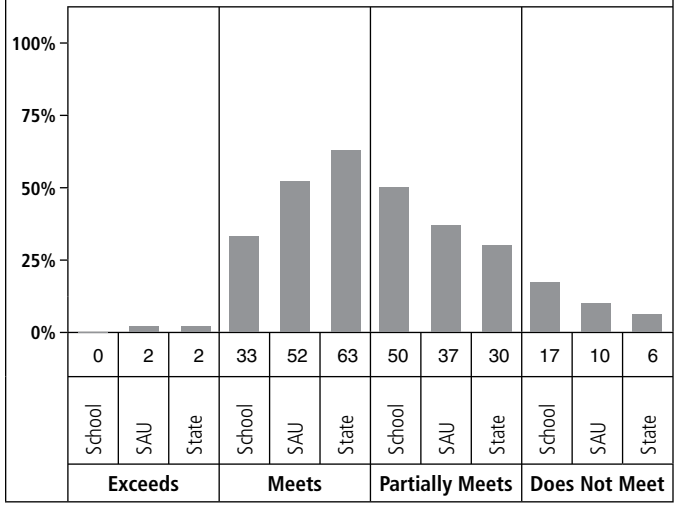
SUMMARY OF SCORES

Test Date: March 2009
Grade: 3
SAU: MSAD 54
School: Canaan Elementary School

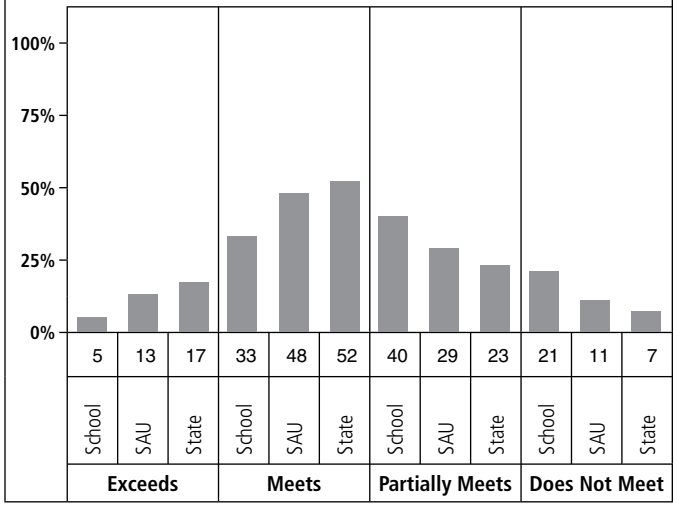
Summary of School, SAU, and State Scores

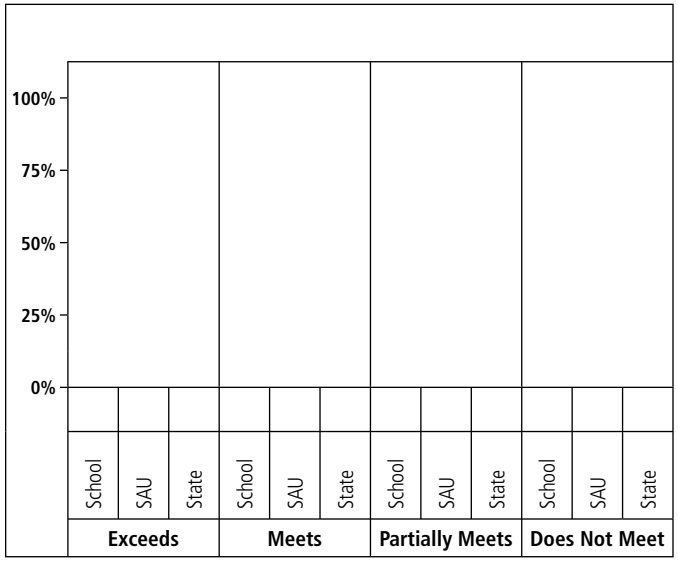
Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	347	344	345
2007–2008	342	341	344
2008–2009	**339**	**343**	**345**
Cum. Avg.*	342	343	345
Mathematics			
2006–2007	343	344	347
2007–2008	344	342	347
2008–2009	**338**	**346**	**348**
Cum. Avg.*	341	344	347

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 54
School: Canaan 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	43	100	207	100	13763	100	42	100	206	100	13691	100	42	100	206	100	13691	100						
Ethnicity African American/Black	0	0	3	1	416	3	0	0	3	100	412	99	0	0	3	100	414	100						
American Indian or Native Alaskan	1	2	1	0	102	1	1	100	1	100	101	100	1	100	1	100	101	100						
Asian or Pacific Islander	2	5	5	2	232	2	2	100	5	100	226	97	2	100	5	100	227	98						
Hispanic	0	0	1	0	167	1	0	0	1	100	164	98	0	0	1	100	164	98						
Caucasian/White	40	93	197	95	12846	93	39	100	196	100	12788	100	39	100	196	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	10	23	43	21	2414	18	9	100	42	100	2388	100	9	100	42	100	2388	100						
Current LEP	1	2	3	1	420	3	1	100	3	100	413	98	1	100	3	100	417	99						
Economically disadvantaged	27	63	110	53	5887	43	26	100	109	100	5847	100	26	100	109	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	23	53	138	67	10316	75	23	53	146	71	10355	75						
Identified disability (PET/IEP)	2	9	5	4	437	4	2	9	5	3	445	4						
LEP	0	0	0	0	192	2	0	0	0	0	193	2						
504 plan	0	0	1	1	83	1	0	0	1	1	83	1						
Participation with accommodations	19	44	62	30	3179	23	19	44	54	26	3152	23						
Identified disability (PET/IEP)	7	37	31	50	1757	55	7	37	31	57	1759	56						
LEP	1	5	3	5	214	7	1	5	3	6	219	7						
504 plan	0	0	0	0	63	2	0	0	0	0	64	2						
Other	11	58	28	45	1192	37	11	58	20	37	1157	37						
Participation through alternate assessment (PAAP)	0	0	6	3	194	1	0	0	6	3	184	1						
Identified disability (PET/IEP)	0	0	6	100	194	100	0	0	6	100	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	1	2	1	0	19	0	1	2	1	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 54
School:	Canaan 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	3	10	7	4	332	2
	2007-2008	1	3	1	1	227	2
	2008-2009	**0**	**0**	**3**	**2**	**262**	**2**
	Cum. Total*	4	4	11	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	16	55	115	59	8691	63
	2007-2008	19	56	97	52	8403	62
	2008-2009	**14**	**33**	**104**	**52**	**8500**	**63**
	Cum. Total*	49	47	316	54	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	8	28	55	28	3781	27
	2007-2008	11	32	65	35	4018	30
	2008-2009	**21**	**50**	**74**	**37**	**3985**	**30**
	Cum. Total*	40	38	194	33	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	2	7	19	10	1021	7
	2007-2008	3	9	23	12	938	7
	2008-2009	**7**	**17**	**19**	**10**	**748**	**6**
	Cum. Total*	12	11	61	10	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**	23.3	50.7	26.4	57.4	28.3	61.5
A1/A2 Interconnected Elements/Literary Text	**32**	**70**	16.5	51.6	18.5	57.8	19.9	62.2
A1/A3 Interconnected Elements/Informational Text	**14**	**30**	6.8	48.6	7.9	56.4	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 54
School: Canaan 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	42	0	0	14	33	21	50	7	17	339	200	2	52	37	10	343	13495	2	63	30	6	345
Ethnicity																						
African American/Black	0										3						402	0	40	41	18	339
American Indian or Native Alaskan	1										1						99	0	64	31	5	343
Asian or Pacific Islander	2										5	0	80	0	20	344	222	4	63	25	8	345
Hispanic	0										0						162	0	51	38	10	342
Caucasian/White	39	0	0	12	31	20	51	7	18	339	191	2	51	38	9	342	12610	2	64	29	5	345
Not Reported	0										0						0					
Identified disability																						
Yes	9	0	0	1	11	6	67	2	22	336	36	0	14	61	25	337	2194	0	32	50	18	338
No	33	0	0	13	39	15	45	5	15	340	164	2	60	32	6	344	11301	2	69	26	3	346
Current LEP																						
Yes	1										3						406	0	39	41	20	339
No	41	0	0	13	32	21	51	7	17	339	197	2	52	38	9	343	13089	2	64	29	5	345
Economically disadvantaged																						
Yes	26	0	0	6	23	15	58	5	19	337	108	1	43	43	14	340	5721	1	52	39	9	342
No	16	0	0	8	50	6	38	2	13	342	92	2	63	30	4	345	7774	3	71	23	3	346
Migrant																						
Yes	0										0						6	0	67	33	0	345
No	42	0	0	14	33	21	50	7	17	339	200	2	52	37	10	343	13489	2	63	30	6	345
Gender																						
Female	16	0	0	8	50	5	31	3	19	340	92	3	64	28	4	345	6568	3	67	26	4	346
Male	26	0	0	6	23	16	62	4	15	339	108	0	42	44	14	341	6927	1	59	33	7	343
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	16	0	0	3	19	8	50	5	31	335	68	0	37	49	15	339	2300	0	39	49	11	340
No	26	0	0	11	42	13	50	2	8	342	132	2	60	31	7	344	11195	2	68	25	4	345
Gifted/talented program																						
Yes	0										0						155	11	87	2	0	354
No	42	0	0	14	33	21	50	7	17	339	200	2	52	37	10	343	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 54
School: Canaan 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	2	0	0	0	0	1	100	0	0	338	6	0	45	36	18	341	5	1	44	39	16	340
B. less than one hour	76	0	0	12	38	15	47	5	16	339	75	1	54	37	7	343	80	2	66	28	4	345
C. one to two hours	14	0	0	0	0	5	83	1	17	337	12	4	46	38	13	344	13	2	61	32	6	344
D. more than two hours	7	0	0	2	67	0	0	1	33	340	7	0	38	38	23	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	60	0	0	8	32	14	56	3	12	339	57	2	55	34	9	343	47	3	68	24	4	346
B. good	31	0	0	5	38	5	38	3	23	339	31	2	50	37	11	341	41	1	62	31	5	344
C. fair	5	0	0	1	50	0	0	1	50	341	10	0	47	47	5	342	9	0	51	41	8	342
D. poor	5	0	0	0	0	2	100	0	0	338	3	0	20	80	0	340	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	7	41	7	41	3	18	340	31	2	53	37	8	343	31	3	63	28	6	345
B. They match some of what I have learned.	38	0	0	6	38	7	44	3	19	339	46	2	58	32	8	343	49	2	68	26	3	345
C. They match just a little of what I have learned.	17	0	0	1	14	5	71	1	14	338	16	0	45	39	16	341	14	1	53	39	7	342
D. There is no match.	5	0	0	0	0	2	100	0	0	337	7	0	21	71	7	339	6	0	43	43	14	340
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	26	0	0	3	27	6	55	2	18	338	17	0	38	44	18	339	18	1	50	38	11	342
B. about the same as my regular schoolwork	38	0	0	9	56	6	38	1	6	343	47	1	59	34	5	344	57	2	68	26	3	346
C. easier than my regular schoolwork	36	0	0	2	13	9	60	4	27	336	36	3	47	39	11	342	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.	31	0	0	2	15	9	69	2	15	338	20	0	28	54	18	338	15	0	38	48	14	340
B. Most of the passages were about the same as what I normally read.	26	0	0	6	55	2	18	3	27	341	37	1	57	34	8	343	48	2	66	29	4	345
C. Most of the passages were easier than what I normally read.	43	0	0	6	33	10	56	2	11	339	43	2	58	33	7	344	37	3	70	23	4	347
How much time do you spend reading at home each day?																						
A. more than one hour	10	0	0	1	25	3	75	0	0	338	20	3	56	36	5	344	22	3	67	25	4	346
B. 20 minutes to an hour	45	0	0	9	47	8	42	2	11	342	43	1	64	29	6	344	46	2	68	26	4	346
C. less than 20 minutes	31	0	0	2	15	8	62	3	23	337	18	0	28	56	17	339	18	1	56	36	8	343
D. I rarely read at home.	14	0	0	2	33	2	33	2	33	336	18	3	39	42	17	341	14	0	50	40	10	341
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	33	0	0	3	21	8	57	3	21	337	37	0	57	33	10	342	29	1	56	36	7	343
B. six to ten pages	14	0	0	3	50	3	50	0	0	341	18	0	50	35	15	341	21	2	62	31	5	344
C. eleven or more pages	52	0	0	8	36	10	45	4	18	340	46	2	49	41	8	343	50	3	68	25	5	346
Optional school/SAU question																						
A.	100	0	0	0	0	1	100	0	0	336	38	0	33	67	0	339						
B.	0										25	0	50	50	0	342						
C.	0										38	0	33	33	33	339						
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 54
School:	Canaan 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	3	10	15	8	1985	14
	2007-2008	6	18	24	13	2277	17
	2008-2009	**2**	**5**	**26**	**13**	**2328**	**17**
	Cum. Total*	11	10	65	11	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	13	45	93	48	6990	51
	2007-2008	15	44	84	45	6764	50
	2008-2009	**14**	**33**	**95**	**48**	**7045**	**52**
	Cum. Total*	42	40	272	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	10	34	68	35	3673	27
	2007-2008	7	21	41	22	3504	26
	2008-2009	**17**	**40**	**58**	**29**	**3137**	**23**
	Cum. Total*	34	32	167	29	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	3	10	19	10	1193	9
	2007-2008	6	18	37	20	1044	8
	2008-2009	**9**	**21**	**21**	**11**	**997**	**7**
	Cum. Total*	18	17	77	13	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**	24.9	51.9	29.9	62.3	31.5	65.6
A. Number	**20**	**42**	10.4	52.0	12.3	61.5	12.8	64.0
B. Data	**8**	**17**	4.9	61.3	5.7	71.3	6.1	76.3
C. Geometry	**8**	**17**	4.5	56.3	5.3	66.3	5.5	68.8
D. Algebra	**12**	**25**	5.1	42.5	6.6	55.0	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 54
School: Canaan 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	42	2	5	14	33	17	40	9	21	338	200	13	48	29	11	346	13507	17	52	23	7	348
Ethnicity																						
African American/Black	0										3						407	7	37	32	24	338
American Indian or Native Alaskan	1										1						99	7	47	38	7	344
Asian or Pacific Islander	2										5	20	60	0	20	348	223	25	45	24	7	350
Hispanic	0										0						162	6	44	35	15	341
Caucasian/White	39	1	3	12	31	17	44	9	23	336	191	13	47	30	10	345	12616	18	53	23	7	348
Not Reported	0										0						0					
Identified disability																						
Yes	9	0	0	0	0	6	67	3	33	329	36	3	28	44	25	336	2204	6	36	36	22	338
No	33	2	6	14	42	11	33	6	18	340	164	15	52	26	7	348	11303	19	55	21	4	350
Current LEP																						
Yes	1										3						412	7	37	35	21	339
No	41	2	5	13	32	17	41	9	22	337	197	13	47	29	10	346	13095	18	53	23	7	348
Economically disadvantaged																						
Yes	26	0	0	6	23	14	54	6	23	335	108	6	43	36	15	341	5727	10	48	31	12	343
No	16	2	13	8	50	3	19	3	19	343	92	21	53	21	5	351	7780	23	55	18	4	351
Migrant																						
Yes	0										0						6	0	67	33	0	345
No	42	2	5	14	33	17	40	9	21	338	200	13	48	29	11	346	13501	17	52	23	7	348
Gender																						
Female	16	2	13	5	31	6	38	3	19	340	92	13	49	29	9	347	6568	16	52	24	8	348
Male	26	0	0	9	35	11	42	6	23	336	108	13	46	29	12	344	6939	18	53	22	7	348
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	16	0	0	3	19	7	44	6	38	332	68	1	46	37	16	340	2300	4	43	39	14	340
No	26	2	8	11	42	10	38	3	12	341	132	19	48	25	8	349	11207	20	54	20	6	350
Gifted/talented program																						
Yes	0										0						155	73	26	1	0	368
No	42	2	5	14	33	17	40	9	21	338	200	13	48	29	11	346	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 54
School: Canaan 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	2	0	0	0	0	0	0	1	100	318	6	9	36	9	45	335	5	9	38	32	21	340
B. less than one hour	76	2	6	11	34	11	34	8	25	338	75	14	50	27	9	347	80	19	54	22	5	349
C. one to two hours	14	0	0	2	33	4	67	0	0	337	12	17	42	42	0	349	13	16	51	24	9	347
D. more than two hours	7	0	0	1	33	2	67	0	0	341	7	8	31	54	8	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	57	1	4	10	42	7	29	6	25	338	47	13	47	28	12	345	40	25	51	17	7	351
B. good	31	1	8	3	23	7	54	2	15	339	35	13	49	28	10	346	45	14	56	24	6	348
C. fair	10	0	0	1	25	3	75	0	0	337	14	14	57	29	0	348	12	7	49	34	10	343
D. poor	2	0	0	0	0	0	0	1	100	324	5	0	11	56	33	329	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.	21	2	22	4	44	2	22	1	11	349	36	21	52	21	6	350	38	23	52	19	5	351
B. They match some of what I have learned.	45	0	0	6	32	8	42	5	26	335	42	11	47	31	11	345	45	16	56	22	6	348
C. They match just a little of what I have learned.	24	0	0	3	30	5	50	2	20	334	12	0	38	46	17	337	12	10	45	33	12	343
D. There is no match.	10	0	0	1	25	2	50	1	25	335	10	5	45	30	20	340	5	5	35	38	22	338
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	29	0	0	2	17	8	67	2	17	335	18	3	32	56	9	340	17	8	45	34	13	342
B. about the same as my regular schoolwork	49	2	10	11	55	4	20	3	15	343	55	16	56	21	8	349	59	19	55	21	5	350
C. easier than my regular schoolwork	22	0	0	0	0	5	56	4	44	328	27	14	41	27	18	344	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	33	1	7	3	21	9	64	1	7	339	24	2	53	38	7	342	15	8	41	35	15	341
B. 30–45 minutes	40	0	0	7	41	7	41	3	18	338	44	16	46	30	8	347	29	16	54	23	6	348
C. 45–60 minutes	10	1	25	1	25	0	0	2	50	340	22	24	39	20	17	348	32	21	55	19	5	350
D. more than 60 minutes	17	0	0	3	43	1	14	3	43	333	10	6	50	28	17	342	25	21	53	20	6	350
How often do you use calculators in mathematics class?																						
A. almost every day	7	0	0	1	33	2	67	0	0	335	13	0	44	40	16	337	6	6	33	39	23	337
B. two or three days a week	5	0	0	0	0	1	50	1	50	326	4	13	25	38	25	338	12	15	55	22	8	348
C. two or three times each month	2	0	0	1	100	0	0	0	0	356	17	12	67	18	3	349	26	20	56	19	5	350
D. never or almost never	86	2	6	12	33	14	39	8	22	338	66	15	44	30	11	347	56	18	52	23	7	348
How often do you use hands-on materials in mathematics class?																						
A. almost every day	38	0	0	6	38	6	38	4	25	335	37	7	47	33	14	341	37	14	51	27	9	346
B. two or three days a week	31	0	0	3	23	7	54	3	23	335	22	9	37	42	12	343	27	20	55	19	6	350
C. two or three times each month	14	2	33	3	50	1	17	0	0	352	20	18	59	21	3	351	19	22	53	19	6	350
D. never or almost never	17	0	0	2	29	3	43	2	29	336	21	21	50	17	12	350	18	15	51	26	8	347
Optional school/SAU question																						
A.	100	0	0	0	0	1	100	0	0	334	38	0	33	67	0	337						
B.	0										25	0	50	50	0	348						
C.	0										38	0	33	67	0	337						
D.	0										0											

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