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:	12101536
SAU:	MSAD 16
School:	Hall-Dale 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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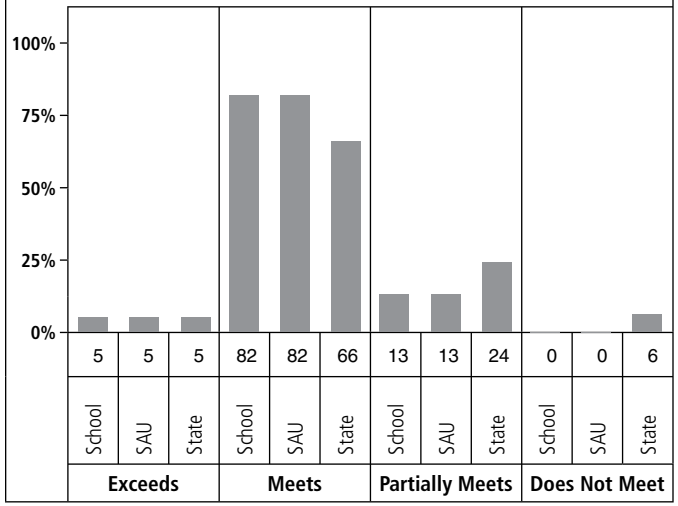
SUMMARY OF SCORES

Test Date: March 2009
Grade: 4
SAU: MSAD 16
School: Hall-Dale Elementary School

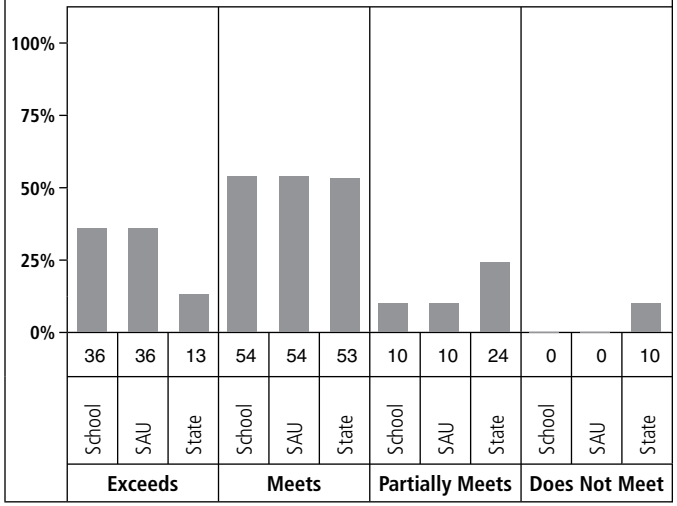
Summary of School, SAU, and State Scores

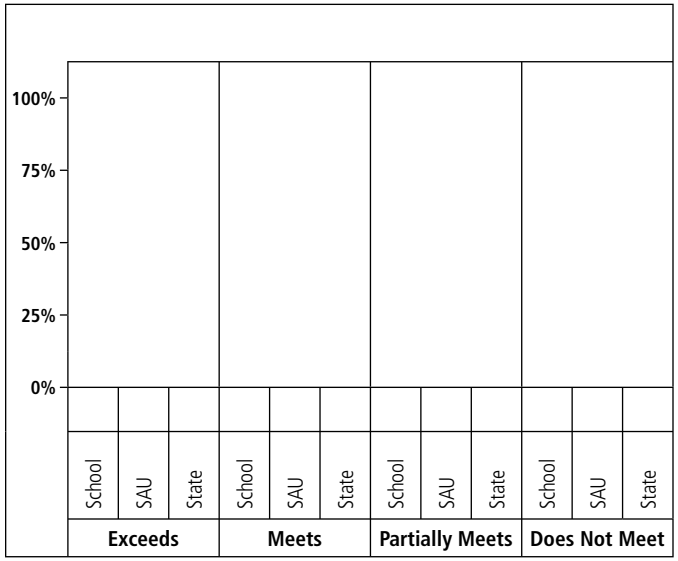
Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	449	449	445
2007–2008	448	448	445
2008–2009	**450**	**450**	**446**
Cum. Avg.*	449	449	445
Mathematics			
2006–2007	453	453	445
2007–2008	450	450	445
2008–2009	**457**	**457**	**446**
Cum. Avg.*	453	453	445

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 16
School: Hall-Dale 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	40	100	40	100	13805	100	40	100	40	100	13737	100	40	100	40	100	13746	100						
Ethnicity African American/Black	0	0	0	0	419	3	0	0	0	0	410	98	0	0	0	0	416	99						
American Indian or Native Alaskan	0	0	0	0	125	1	0	0	0	0	124	99	0	0	0	0	124	99						
Asian or Pacific Islander	2	5	2	5	229	2	2	100	2	100	223	97	2	100	2	100	227	99						
Hispanic	0	0	0	0	149	1	0	0	0	0	148	99	0	0	0	0	148	99						
Caucasian/White	38	95	38	95	12883	93	38	100	38	100	12832	100	38	100	38	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	6	15	6	15	2383	17	6	100	6	100	2366	100	6	100	6	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	11	28	11	28	5819	42	11	100	11	100	5782	99	11	100	11	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	33	83	33	83	10439	76	33	83	33	83	10471	76						
Identified disability (PET/IEP)	0	0	0	0	351	3	0	0	0	0	367	4						
LEP	0	0	0	0	171	2	0	0	0	0	172	2						
504 plan	0	0	0	0	92	1	0	0	0	0	90	1						
Participation with accommodations	6	15	6	15	3142	23	6	15	6	15	3138	23						
Identified disability (PET/IEP)	5	83	5	83	1860	59	5	83	5	83	1860	59						
LEP	0	0	0	0	186	6	0	0	0	0	198	6						
504 plan	1	17	1	17	71	2	1	17	1	17	73	2						
Other	0	0	0	0	1060	34	0	0	0	0	1043	33						
Participation through alternate assessment (PAAP)	1	3	1	3	155	1	1	3	1	3	137	1						
Identified disability (PET/IEP)	1	100	1	100	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 16
School:	Hall-Dale 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	7	3	7	507	4
	2007-2008	4	7	4	7	559	4
	2008-2009	**2**	**5**	**2**	**5**	**672**	**5**
	Cum. Total*	9	7	9	7	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	28	67	28	67	8749	63
	2007-2008	35	61	35	61	8308	59
	2008-2009	**32**	**82**	**32**	**82**	**8917**	**66**
	Cum. Total*	95	69	95	69	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	9	21	9	21	3467	25
	2007-2008	16	28	16	28	3922	28
	2008-2009	**5**	**13**	**5**	**13**	**3241**	**24**
	Cum. Total*	30	22	30	22	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	2	5	2	5	1165	8
	2007-2008	2	4	2	4	1264	9
	2008-2009	**0**	**0**	**0**	**0**	**751**	**6**
	Cum. Total*	4	3	4	3	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**	34.7	72.3	34.7	72.3	31.6	65.8
A1/A2 Interconnected Elements/Literary Text	**24**	**50**	17.4	72.5	17.4	72.5	16.1	67.1
A1/A3 Interconnected Elements/Informational Text	**24**	**50**	17.3	72.1	17.3	72.1	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 16
School: Hall-Dale 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	39	2	5	32	82	5	13	0	0	450	39	5	82	13	0	450	13581	5	66	24	6	446
Ethnicity																						
African American/Black	0										0						408	2	51	31	16	441
American Indian or Native Alaskan	0										0						122	1	59	34	6	444
Asian or Pacific Islander	2										2						221	9	62	22	7	447
Hispanic	0										0						146	1	64	28	6	445
Caucasian/White	37	1	3	31	84	5	14	0	0	449	37	3	84	14	0	449	12684	5	66	24	5	446
Not Reported	0										0						0					
Identified disability																						
Yes	5	0	0	4	80	1	20	0	0	444	5	0	80	20	0	444	2211	1	39	42	18	439
No	34	2	6	28	82	4	12	0	0	451	34	6	82	12	0	451	11370	6	71	20	3	448
Current LEP																						
Yes	0										0						357	3	42	36	19	440
No	39	2	5	32	82	5	13	0	0	450	39	5	82	13	0	450	13224	5	66	24	5	446
Economically disadvantaged																						
Yes	10	0	0	7	70	3	30	0	0	445	10	0	70	30	0	445	5677	2	57	32	9	443
No	29	2	7	25	86	2	7	0	0	452	29	7	86	7	0	452	7904	7	72	18	3	448
Migrant																						
Yes	0										0						6	0	67	33	0	445
No	39	2	5	32	82	5	13	0	0	450	39	5	82	13	0	450	13575	5	66	24	6	446
Gender																						
Female	18	1	6	16	89	1	6	0	0	453	18	6	89	6	0	453	6580	7	68	21	5	448
Male	21	1	5	16	76	4	19	0	0	448	21	5	76	19	0	448	7001	3	64	27	6	445
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	8	0	0	8	100	0	0	0	0	449	8	0	100	0	0	449	2127	1	48	42	9	441
No	31	2	6	24	77	5	16	0	0	450	31	6	77	16	0	450	11454	6	69	20	5	447
Gifted/talented program																						
Yes	0										0						324	27	72	1	0	458
No	39	2	5	32	82	5	13	0	0	450	39	5	82	13	0	450	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 16
School: Hall-Dale 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										0						4	2	45	36	17	441
B. less than one hour	92	2	6	29	81	5	14	0	0	450	92	6	81	14	0	450	75	5	67	23	4	447
C. one to two hours	8	0	0	3	100	0	0	0	0	454	8	0	100	0	0	454	18	5	67	23	5	447
D. more than two hours	0										0						2	3	45	36	16	442
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	18	0	0	7	100	0	0	0	0	452	18	0	100	0	0	452	40	8	71	17	4	449
B. good	69	2	7	21	78	4	15	0	0	450	69	7	78	15	0	450	45	3	66	25	5	446
C. fair	10	0	0	3	75	1	25	0	0	445	10	0	75	25	0	445	13	1	54	35	10	442
D. poor	3	0	0	1	100	0	0	0	0	444	3	0	100	0	0	444	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.	38	0	0	14	93	1	7	0	0	451	38	0	93	7	0	451	31	8	69	19	4	448
B. They match some of what I have learned.	51	2	10	14	70	4	20	0	0	450	51	10	70	20	0	450	53	4	68	23	4	447
C. They match just a little of what I have learned.	8	0	0	3	100	0	0	0	0	444	8	0	100	0	0	444	11	2	54	35	10	442
D. There is no match.	3	0	0	1	100	0	0	0	0	444	3	0	100	0	0	444	4	1	39	40	20	439
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	15	0	0	5	83	1	17	0	0	447	15	0	83	17	0	447	19	4	54	31	11	443
B. about the same as my regular schoolwork	77	2	7	25	83	3	10	0	0	451	77	7	83	10	0	451	63	6	69	22	4	447
C. easier than my regular schoolwork	8	0	0	2	67	1	33	0	0	447	8	0	67	33	0	447	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.	8	0	0	3	100	0	0	0	0	444	8	0	100	0	0	444	13	0	39	43	17	439
B. Most of the passages were about the same as what I normally read.	64	1	4	19	76	5	20	0	0	448	64	4	76	20	0	448	52	4	69	24	4	446
C. Most of the passages were easier than what I normally read.	28	1	9	10	91	0	0	0	0	455	28	9	91	0	0	455	35	9	72	16	3	449
How much time do you spend reading at home each day?																						
A. more than one hour	15	1	17	5	83	0	0	0	0	455	15	17	83	0	0	455	21	8	68	19	5	448
B. 20 minutes to an hour	82	1	3	27	84	4	13	0	0	449	82	3	84	13	0	449	55	5	70	21	4	447
C. less than 20 minutes	3	0	0	0	0	1	100	0	0	436	3	0	0	100	0	436	13	2	57	33	8	443
D. I rarely read at home.	0										0						11	1	51	37	11	442
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	26	0	0	9	90	1	10	0	0	448	26	0	90	10	0	448	25	3	59	30	8	444
B. six to ten pages	21	1	13	5	63	2	25	0	0	450	21	13	63	25	0	450	24	4	64	26	6	445
C. eleven or more pages	53	1	5	17	85	2	10	0	0	451	53	5	85	10	0	451	51	7	70	20	4	448
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
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:	4
SAU:	MSAD 16
School:	Hall-Dale 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	12	29	12	29	1054	8
	2007-2008	8	14	8	14	1321	9
	2008-2009	**14**	**36**	**14**	**36**	**1712**	**13**
	Cum. Total*	34	24	34	24	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	19	45	19	45	7394	53
	2007-2008	35	60	35	60	7079	51
	2008-2009	**21**	**54**	**21**	**54**	**7270**	**53**
	Cum. Total*	75	54	75	54	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	8	19	8	19	3729	27
	2007-2008	9	16	9	16	3955	28
	2008-2009	**4**	**10**	**4**	**10**	**3219**	**24**
	Cum. Total*	21	15	21	15	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	3	7	3	7	1735	12
	2007-2008	6	10	6	10	1642	12
	2008-2009	**0**	**0**	**0**	**0**	**1408**	**10**
	Cum. Total*	9	6	9	6	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**	37.0	77.1	37.0	77.1	30.8	64.2
A. Number	**20**	**42**	16.1	80.5	16.1	80.5	12.5	62.5
B. Data	**8**	**17**	6.2	77.5	6.2	77.5	5.3	66.3
C. Geometry	**10**	**21**	7.3	73.0	7.3	73.0	6.5	65.0
D. Algebra	**10**	**21**	7.4	74.0	7.4	74.0	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 16
School: Hall-Dale 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	39	14	36	21	54	4	10	0	0	457	39	36	54	10	0	457	13609	13	53	24	10	446
Ethnicity																						
African American/Black	0										0						415	5	41	30	24	439
American Indian or Native Alaskan	0										0						123	12	46	28	13	445
Asian or Pacific Islander	2										2						225	22	45	20	12	448
Hispanic	0										0						147	3	58	30	10	443
Caucasian/White	37	13	35	20	54	4	11	0	0	456	37	35	54	11	0	456	12699	13	54	23	10	447
Not Reported	0										0						0					
Identified disability																						
Yes	5	0	0	4	80	1	20	0	0	446	5	0	80	20	0	446	2227	3	34	33	30	437
No	34	14	41	17	50	3	9	0	0	459	34	41	50	9	0	459	11382	14	57	22	7	448
Current LEP																						
Yes	0										0						370	7	35	31	27	439
No	39	14	36	21	54	4	10	0	0	457	39	36	54	10	0	457	13239	13	54	23	10	447
Economically disadvantaged																						
Yes	10	2	20	6	60	2	20	0	0	450	10	20	60	20	0	450	5704	6	48	30	16	442
No	29	12	41	15	52	2	7	0	0	459	29	41	52	7	0	459	7905	18	57	19	6	450
Migrant																						
Yes	0										0						6	17	33	50	0	448
No	39	14	36	21	54	4	10	0	0	457	39	36	54	10	0	457	13603	13	53	24	10	446
Gender																						
Female	18	7	39	10	56	1	6	0	0	459	18	39	56	6	0	459	6591	12	54	24	11	446
Male	21	7	33	11	52	3	14	0	0	455	21	33	52	14	0	455	7018	13	53	24	10	447
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	8	2	25	6	75	0	0	0	0	453	8	25	75	0	0	453	2131	3	41	38	18	440
No	31	12	39	15	48	4	13	0	0	458	31	39	48	13	0	458	11478	14	56	21	9	448
Gifted/talented program																						
Yes	0										0						324	64	34	2	0	464
No	39	14	36	21	54	4	10	0	0	457	39	36	54	10	0	457	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 16
School: Hall-Dale 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										0						4	4	37	30	28	438
B. less than one hour	92	13	36	20	56	3	8	0	0	457	92	36	56	8	0	457	75	13	55	23	9	447
C. one to two hours	8	1	33	1	33	1	33	0	0	457	8	33	33	33	0	457	18	12	54	24	10	446
D. more than two hours	0										0						2	7	39	29	25	440
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	33	9	69	3	23	1	8	0	0	466	33	69	23	8	0	466	37	22	56	16	7	451
B. good	46	4	22	13	72	1	6	0	0	454	46	22	72	6	0	454	45	9	56	25	9	446
C. fair	21	1	13	5	63	2	25	0	0	450	21	13	63	25	0	450	14	3	46	34	17	440
D. poor	0										0						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.	44	7	41	9	53	1	6	0	0	458	44	41	53	6	0	458	35	19	56	19	7	450
B. They match some of what I have learned.	51	6	30	11	55	3	15	0	0	455	51	30	55	15	0	455	51	11	56	25	8	446
C. They match just a little of what I have learned.	3	1	100	0	0	0	0	0	0	480	3	100	0	0	0	480	10	5	43	31	21	440
D. There is no match.	3	0	0	1	100	0	0	0	0	450	3	0	100	0	0	450	4	3	26	33	37	434
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	5	1	50	1	50	0	0	0	0	465	5	50	50	0	0	465	17	5	44	31	20	441
B. about the same as my regular schoolwork	69	10	37	15	56	2	7	0	0	458	69	37	56	7	0	458	62	13	57	23	7	448
C. easier than my regular schoolwork	26	3	30	5	50	2	20	0	0	453	26	30	50	20	0	453	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	0	0	1	100	0	0	0	0	444	3	0	100	0	0	444	7	6	36	32	27	438
B. 30–45 minutes	13	2	40	2	40	1	20	0	0	457	13	40	40	20	0	457	25	7	52	28	12	444
C. 45–60 minutes	23	3	33	5	56	1	11	0	0	458	23	33	56	11	0	458	38	14	56	22	8	448
D. more than 60 minutes	62	9	38	13	54	2	8	0	0	457	62	38	54	8	0	457	30	18	56	19	7	449
How often do you use calculators in mathematics class?																						
A. almost every day	5	0	0	0	0	2	100	0	0	439	5	0	0	100	0	439	3	4	36	31	28	438
B. two or three days a week	28	4	36	6	55	1	9	0	0	458	28	36	55	9	0	458	12	13	51	26	10	446
C. two or three times each month	49	8	42	10	53	1	5	0	0	458	49	42	53	5	0	458	32	15	58	20	7	449
D. never or almost never	18	2	29	5	71	0	0	0	0	457	18	29	71	0	0	457	53	11	53	25	11	446
How often do you use hands-on materials in mathematics class?																						
A. almost every day	46	6	33	10	56	2	11	0	0	455	46	33	56	11	0	455	26	12	50	25	13	445
B. two or three days a week	38	5	33	8	53	2	13	0	0	457	38	33	53	13	0	457	32	14	57	21	7	448
C. two or three times each month	13	3	60	2	40	0	0	0	0	464	13	60	40	0	0	464	26	13	56	22	8	448
D. never or almost never	3	0	0	1	100	0	0	0	0	450	3	0	100	0	0	450	17	9	50	27	13	444
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

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