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 6

Test Date:	March 2009
Code:	10211185
SAU:	Brewer School Department
School:	Brewer Middle 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

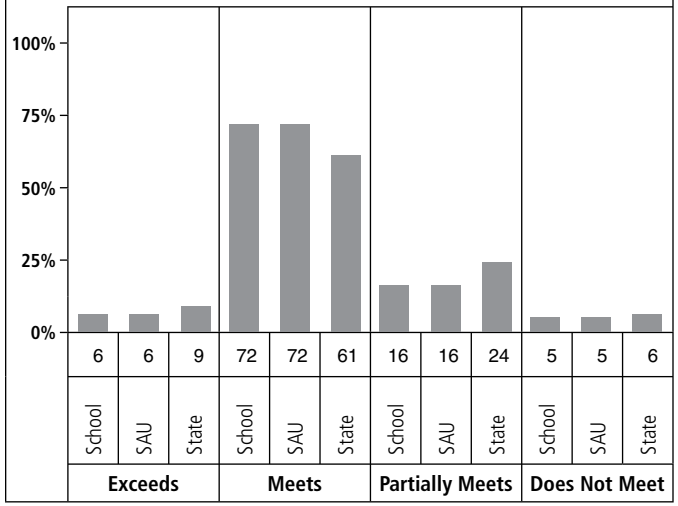
SUMMARY OF SCORES

Test Date: March 2009
Grade: 6
SAU: Brewer School Department
School: Brewer Middle School

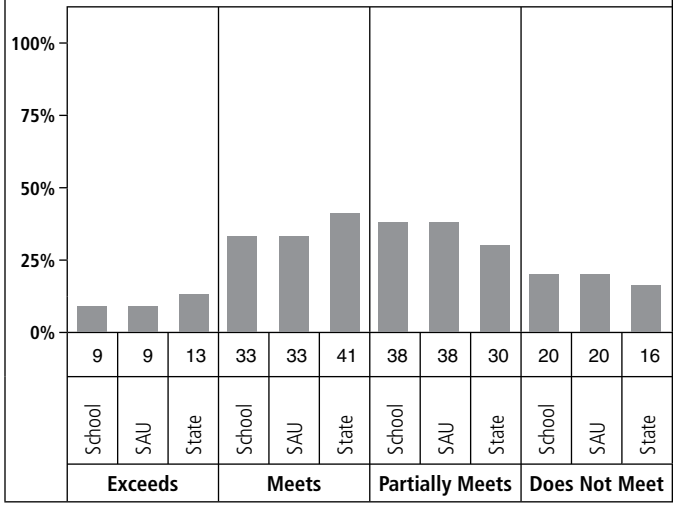
Summary of School, SAU, and State Scores

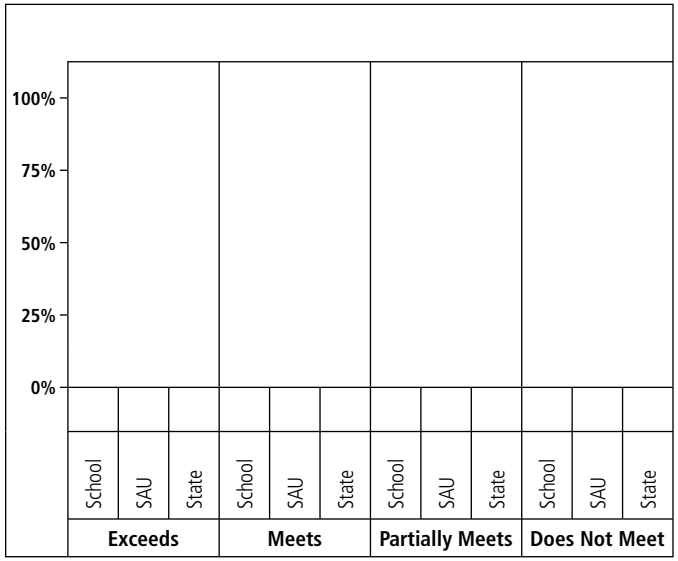
Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	645	645	646
2007–2008	649	649	648
2008–2009	**648**	**648**	**647**
Cum. Avg.*	647	647	647
Mathematics			
2006–2007	641	641	643
2007–2008	641	641	642
2008–2009	**640**	**640**	**643**
Cum. Avg.*	641	641	643

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: 6
SAU: Brewer School Department
School: Brewer Middle 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	97	100	97	100	14251	100	95	99	95	99	14150	99	95	99	95	99	14156	100						
Ethnicity African American/Black	6	6	6	6	421	3	5	100	5	100	412	98	5	100	5	100	415	99						
American Indian or Native Alaskan	3	3	3	3	128	1	3	100	3	100	127	99	3	100	3	100	128	100						
Asian or Pacific Islander	0	0	0	0	212	1	0	0	0	0	210	99	0	0	0	0	212	100						
Hispanic	2	2	2	2	181	1	2	100	2	100	177	98	2	100	2	100	178	99						
Caucasian/White	86	89	86	89	13309	93	85	99	85	99	13224	100	85	99	85	99	13223	100						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	11	11	11	11	2468	17	11	100	11	100	2423	99	11	100	11	100	2426	99						
Current LEP	1	1	1	1	341	2	1	100	1	100	330	97	1	100	1	100	338	99						
Economically disadvantaged	28	29	28	29	5780	41	27	100	27	100	5724	99	27	100	27	100	5725	99						
Migrant	0	0	0	0	4	0	0	0	0	0	4	100	0	0	0	0	4	100						

MODE OF PARTICIPATION[3]	ELA–Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	88	91	88	91	11369	80	88	91	88	91	11373	80						
Identified disability (PET/IEP)	5	6	5	6	355	3	5	6	5	6	371	3						
LEP	1	1	1	1	167	1	1	1	1	1	170	1						
504 plan	4	5	4	5	172	2	4	5	4	5	175	2						
Participation with accommodations	6	6	6	6	2594	18	6	6	6	6	2605	18						
Identified disability (PET/IEP)	5	83	5	83	1881	73	5	83	5	83	1877	72						
LEP	0	0	0	0	155	6	0	0	0	0	161	6						
504 plan	0	0	0	0	74	3	0	0	0	0	71	3						
Other	1	17	1	17	519	20	1	17	1	17	532	20						
Participation through alternate assessment (PAAP)	1	1	1	1	187	1	1	1	1	1	178	1						
Identified disability (PET/IEP)	1	100	1	100	187	100	1	100	1	100	178	100						
LEP	0	0	0	0	8	4	0	0	0	0	7	4						
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	0	0												
Approved non-participation – special consideration	1	1	1	1	26	0	1	1	1	1	25	0						
Non-participation – other	1	1	1	1	75	1	1	1	1	1	70	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: 6
SAU: Brewer School Department
School: Brewer Middle 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 662–680)	2006-2007	5	5	5	5	1132	8
	2007-2008	9	11	9	11	1817	13
	2008-2009	**6**	**6**	**6**	**6**	**1309**	**9**
	Cum. Total*	20	7	20	7	4258	10
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 642–660)	2006-2007	66	62	66	62	8127	57
	2007-2008	51	64	51	64	8072	57
	2008-2009	**68**	**72**	**68**	**72**	**8564**	**61**
	Cum. Total*	185	66	185	66	24763	59
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 630–640)	2006-2007	24	23	24	23	3549	25
	2007-2008	15	19	15	19	3194	23
	2008-2009	**15**	**16**	**15**	**16**	**3291**	**24**
	Cum. Total*	54	19	54	19	10034	24
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 600–628)	2006-2007	11	10	11	10	1478	10
	2007-2008	5	6	5	6	981	7
	2008-2009	**5**	**5**	**5**	**5**	**799**	**6**
	Cum. Total*	21	8	21	8	3258	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	**56**	**100**	35.1	62.7	35.1	62.7	33.8	60.4
A1/A2 Interconnected Elements/Literary Text	**20**	**36**	12.6	63.0	12.6	63.0	11.9	59.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	**36**	**64**	22.5	62.5	22.5	62.5	21.9	60.8

The MEA assesses students' reading skills based on questions related to three types of reading passages: literary, informational, and persuasive. 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: 6
SAU: Brewer School Department
School: Brewer Middle 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	94	6	6	68	72	15	16	5	5	648	94	6	72	16	5	648	13963	9	61	24	6	647
Ethnicity																						
African American/Black	5	0	0	4	80	0	0	1	20	646	5	0	80	0	20	646	403	5	46	34	15	641
American Indian or Native Alaskan	3										3						125	4	49	38	10	642
Asian or Pacific Islander	0										0						206	18	56	20	6	649
Hispanic	2										2						174	5	55	33	7	644
Caucasian/White	84	6	7	60	71	14	17	4	5	649	84	7	71	17	5	649	13055	9	62	23	5	647
Not Reported	0										0						0					
Identified disability																						
Yes	10	0	0	3	30	4	40	3	30	638	10	0	30	40	30	638	2236	1	30	48	22	637
No	84	6	7	65	77	11	13	2	2	650	84	7	77	13	2	650	11727	11	67	19	3	649
Current LEP																						
Yes	1										1						322	2	39	37	21	638
No	93	6	6	68	73	14	15	5	5	649	93	6	73	15	5	649	13641	10	62	23	5	647
Economically disadvantaged																						
Yes	27	1	4	19	70	4	15	3	11	647	27	4	70	15	11	647	5617	4	54	33	9	643
No	67	5	7	49	73	11	16	2	3	649	67	7	73	16	3	649	8346	13	66	17	3	650
Migrant																						
Yes	0										0						4					
No	94	6	6	68	72	15	16	5	5	648	94	6	72	16	5	648	13959	9	61	24	6	647
Gender																						
Female	50	5	10	36	72	8	16	1	2	651	50	10	72	16	2	651	6743	13	63	20	4	649
Male	44	1	2	32	73	7	16	4	9	646	44	2	73	16	9	646	7220	6	60	27	7	645
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						1408	4	41	43	12	641
No	94	6	6	68	72	15	16	5	5	648	94	6	72	16	5	648	12555	10	64	21	5	648
Gifted/talented program																						
Yes	5	1	20	4	80	0	0	0	0	657	5	20	80	0	0	657	636	39	59	2	0	659
No	89	5	6	64	72	15	17	5	6	648	89	6	72	17	6	648	13327	8	61	25	6	647

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: 6
SAU: Brewer School Department
School: Brewer Middle 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	6	1	17	3	50	2	33	0	0	648	6	17	50	33	0	648	6	5	47	32	16	642
B. less than one hour	57	3	6	36	68	9	17	5	9	647	57	6	68	17	9	647	59	9	62	24	5	647
C. one to two hours	37	2	6	29	85	3	9	0	0	651	37	6	85	9	0	651	32	11	64	21	4	648
D. more than two hours	0										0						3	10	50	26	13	644
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	43	4	10	30	75	6	15	0	0	651	43	10	75	15	0	651	31	17	66	14	3	651
B. good	39	2	6	29	81	3	8	2	6	649	39	6	81	8	6	649	48	8	64	23	5	647
C. fair	17	0	0	9	56	4	25	3	19	642	17	0	56	25	19	642	18	2	48	40	10	641
D. poor	1	0	0	0	0	1	100	0	0	632	1	0	0	100	0	632	2	1	34	47	18	638
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.	45	3	7	33	79	5	12	1	2	650	45	7	79	12	2	650	38	13	65	18	3	650
B. They match some of what I have learned.	44	3	7	30	73	6	15	2	5	649	44	7	73	15	5	649	49	8	63	24	5	647
C. They match just a little of what I have learned.	9	0	0	5	63	2	25	1	13	645	9	0	63	25	13	645	10	5	48	36	11	642
D. There is no match.	2	0	0	0	0	1	50	1	50	629	2	0	0	50	50	629	3	3	35	38	24	639
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	8	0	0	5	71	1	14	1	14	644	8	0	71	14	14	644	16	7	52	30	11	644
B. about the same as my regular schoolwork	71	5	8	52	79	6	9	3	5	650	71	8	79	9	5	650	66	10	64	22	4	648
C. easier than my regular schoolwork	22	1	5	11	55	7	35	1	5	646	22	5	55	35	5	646	17	11	61	22	5	648
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	4	0	0	1	25	1	25	2	50	636	4	0	25	25	50	636	10	2	39	42	17	639
B. Most of the passages were about the same as what I normally read.	53	3	6	38	78	6	12	2	4	648	53	6	78	12	4	648	55	6	62	27	5	646
C. Most of the passages were easier than what I normally read.	43	3	8	29	73	7	18	1	3	650	43	8	73	18	3	650	35	16	67	14	3	651
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	39	4	11	26	72	5	14	1	3	651	39	11	72	14	3	651	48	10	60	24	6	647
B. I tried about the same as I do on my regular schoolwork.	59	2	4	42	78	6	11	4	7	648	59	4	78	11	7	648	49	10	63	22	5	648
C. I did not try as hard on this test as I do on my regular schoolwork.	2	0	0	0	0	2	100	0	0	636	2	0	0	100	0	636	3	3	53	29	15	642
How much time do you spend reading at home each day?																						
A. more than one hour	23	3	14	15	71	2	10	1	5	651	23	14	71	10	5	651	23	15	65	16	4	650
B. 20 minutes to an hour	46	2	5	36	84	4	9	1	2	650	46	5	84	9	2	650	49	10	64	22	4	648
C. less than 20 minutes	12	1	9	9	82	0	0	1	9	649	12	9	82	0	9	649	11	6	58	29	7	645
D. I rarely read at home.	19	0	0	8	44	8	44	2	11	642	19	0	44	44	11	642	17	2	51	36	11	642
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	50	0	0	1	100	0	0	0	0	644	50	0	100	0	0	644						
D.	50	0	0	0	0	1	100	0	0	640	50	0	0	100	0	640						

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:	6
SAU:	Brewer School Department
School:	Brewer Middle 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 662–680)	2006-2007	10	9	10	9	2092	15
	2007-2008	4	5	4	5	1474	10
	2008-2009	**8**	**9**	**8**	**9**	**1807**	**13**
	Cum. Total*	22	8	22	8	5373	13
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 642–660)	2006-2007	37	35	37	35	5731	40
	2007-2008	43	54	43	54	6008	43
	2008-2009	**31**	**33**	**31**	**33**	**5662**	**41**
	Cum. Total*	111	40	111	40	17401	41
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 628–640)	2006-2007	41	39	41	39	4175	29
	2007-2008	18	23	18	23	4244	30
	2008-2009	**36**	**38**	**36**	**38**	**4219**	**30**
	Cum. Total*	95	34	95	34	12638	30
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 600–626)	2006-2007	18	17	18	17	2308	16
	2007-2008	15	19	15	19	2346	17
	2008-2009	**19**	**20**	**19**	**20**	**2290**	**16**
	Cum. Total*	52	19	52	19	6944	16

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	**56**	**100**	28.3	50.5	28.3	50.5	30.6	54.6
A. Number	**18**	**32**	10.2	56.7	10.2	56.7	10.3	57.2
B. Data	**12**	**21**	5.7	47.5	5.7	47.5	6.6	55.0
C. Geometry	**14**	**25**	6.4	45.7	6.4	45.7	7.3	52.1
D. Algebra	**12**	**21**	6.0	50.0	6.0	50.0	6.5	54.2

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: 6
SAU: Brewer School Department
School: Brewer Middle 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	94	8	9	31	33	36	38	19	20	640	94	9	33	38	20	640	13978	13	41	30	16	643
Ethnicity																						
African American/Black	5	1	20	1	20	0	0	3	60	640	5	20	20	0	60	640	406	4	26	36	34	633
American Indian or Native Alaskan	3										3						126	4	29	40	28	635
Asian or Pacific Islander	0										0						208	18	47	23	12	647
Hispanic	2										2						175	5	31	41	23	638
Caucasian/White	84	7	8	30	36	32	38	15	18	640	84	8	36	38	18	640	13063	13	41	30	16	643
Not Reported	0										0						0					
Identified disability																						
Yes	10	1	10	1	10	2	20	6	60	628	10	10	10	20	60	628	2248	3	18	33	46	629
No	84	7	8	30	36	34	40	13	15	641	84	8	36	40	15	641	11730	15	45	30	11	646
Current LEP																						
Yes	1										1						331	3	22	35	40	631
No	93	8	9	31	33	35	38	19	20	640	93	9	33	38	20	640	13647	13	41	30	16	643
Economically disadvantaged																						
Yes	27	1	4	7	26	11	41	8	30	636	27	4	26	41	30	636	5620	6	33	37	25	637
No	67	7	10	24	36	25	37	11	16	641	67	10	36	37	16	641	8358	18	45	26	11	647
Migrant																						
Yes	0										0						4					
No	94	8	9	31	33	36	38	19	20	640	94	9	33	38	20	640	13974	13	41	30	16	643
Gender																						
Female	50	3	6	14	28	22	44	11	22	638	50	6	28	44	22	638	6738	12	40	32	16	642
Male	44	5	11	17	39	14	32	8	18	641	44	11	39	32	18	641	7240	14	41	29	16	644
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						1410	3	24	41	32	634
No	94	8	9	31	33	36	38	19	20	640	94	9	33	38	20	640	12568	14	42	29	15	644
Gifted/talented program																						
Yes	5	3	60	2	40	0	0	0	0	660	5	60	40	0	0	660	637	65	32	3	0	665
No	89	5	6	29	33	36	40	19	21	638	89	6	33	40	21	638	13341	10	41	31	17	642

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: 6
SAU: Brewer School Department
School: Brewer Middle 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	6	0	0	4	67	0	0	2	33	642	6	0	67	0	33	642	6	7	32	28	32	636
B. less than one hour	57	5	9	16	30	19	36	13	25	639	57	9	30	36	25	639	59	13	41	30	16	643
C. one to two hours	37	3	9	11	32	17	50	3	9	641	37	9	32	50	9	641	32	14	41	31	14	644
D. more than two hours	0										0						3	11	31	33	26	639
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	34	7	22	15	47	5	16	5	16	648	34	22	47	16	16	648	30	27	45	18	9	651
B. good	31	1	3	11	38	14	48	3	10	640	31	3	38	48	10	640	46	9	45	31	15	643
C. fair	29	0	0	4	15	15	56	8	30	633	29	0	15	56	30	633	20	2	29	43	26	635
D. poor	5	0	0	1	20	2	40	2	40	631	5	0	20	40	40	631	4	1	15	46	38	630
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.	23	5	24	9	43	5	24	2	10	648	23	24	43	24	10	648	35	18	42	27	13	646
B. They match some of what I have learned.	45	3	7	16	38	15	36	8	19	641	45	7	38	36	19	641	50	11	43	31	15	643
C. They match just a little of what I have learned.	29	0	0	6	22	15	56	6	22	634	29	0	22	56	22	634	13	8	31	36	26	638
D. There is no match.	3	0	0	0	0	1	33	2	67	624	3	0	0	33	67	624	3	5	16	27	51	628
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	55	5	10	12	24	24	47	10	20	638	55	10	24	47	20	638	32	7	40	34	20	640
B. about the same as my regular schoolwork	35	1	3	14	44	10	31	7	22	640	35	3	44	31	22	640	56	13	42	30	15	644
C. easier than my regular schoolwork	10	2	22	4	44	2	22	1	11	649	10	22	44	22	11	649	12	31	36	20	13	650
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	52	6	13	20	42	17	35	5	10	644	52	13	42	35	10	644	51	11	41	31	16	643
B. I tried about the same as I do on my regular schoolwork.	41	0	0	10	26	18	47	10	26	635	41	0	26	47	26	635	45	15	41	29	16	644
C. I did not try as hard on this test as I do on my regular schoolwork.	7	2	33	1	17	0	0	3	50	641	7	33	17	0	50	641	4	12	28	32	28	638
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	3	1	33	0	0	0	0	2	67	638	3	33	0	0	67	638	6	8	29	29	34	635
B. 30–45 minutes	23	1	5	5	24	7	33	8	38	633	23	5	24	33	38	633	33	10	37	34	19	641
C. 45–60 minutes	56	4	8	17	33	25	48	6	12	642	56	8	33	48	12	642	45	15	44	29	12	645
D. more than 60 minutes	18	2	12	9	53	4	24	2	12	644	18	12	53	24	12	644	16	15	41	28	16	644
How often do you use calculators in mathematics class?																						
A. almost every day	5	1	20	2	40	2	40	0	0	650	5	20	40	40	0	650	9	14	35	29	22	641
B. two or three days a week	20	2	11	8	42	5	26	4	21	642	20	11	42	26	21	642	26	15	40	30	16	644
C. two or three times each month	30	4	14	9	32	13	46	2	7	644	30	14	32	46	7	644	31	13	43	30	14	644
D. never or almost never	44	1	2	12	29	16	39	12	29	636	44	2	29	39	29	636	34	11	40	31	18	642
How often do you use hands-on materials in mathematics class?																						
A. almost every day	6	0	0	3	50	3	50	0	0	644	6	0	50	50	0	644	17	8	35	33	24	639
B. two or three days a week	8	1	14	2	29	3	43	1	14	641	8	14	29	43	14	641	28	13	42	30	15	643
C. two or three times each month	47	5	11	17	39	17	39	5	11	643	47	11	39	39	11	643	31	15	43	30	13	645
D. never or almost never	39	2	6	9	25	13	36	12	33	635	39	6	25	36	33	635	23	14	39	30	17	643
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	50	0	0	0	0	1	100	0	0	634	50	0	0	100	0	634						
D.	50	0	0	0	0	0	0	1	100	614	50	0	0	0	100	614						

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