

National Center for Education Statistics

2013 Mathematics Grade 12 Assessment Report Card: Summary Data Tables with Additional Detail for National and Pilot State Average Scores and Achievement Level Results

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Percentage of students assessed in twelfth-grade NAEP mathematics, by selected characteristics: 2005 and 2013

Characteristic	2005	2013
Race/ethnicity		
White	66 *	58
Black	14	14
Hispanic	13 *	20
Asian/Pacific Islander	5	6
American Indian/Alaska Native	1	1
Gender		
Male	48 *	51
Female	52 *	49
Highest level of parental education		
Did not finish high school	8 *	9
Graduated from high school	18 *	16
Some education after high school	23 *	21
Graduated from college	47	50
School location		
City	—	28
Suburb	—	35
Town	—	10
Rural	—	26
Students with disabilities (SD)		
SD	7 *	9
Not SD	93 *	91
English language learners (ELL)		
ELL	4 *	3
Not ELL	96 *	97

— Not available.

* Significantly different ($p < .05$) from 2013.

NOTE: Black includes African American, Hispanic includes Latino, and Pacific Islander includes Native Hawaiian. Race categories exclude Hispanic origin. For the race/ethnicity category, results are not shown for students whose race/ethnicity was unclassified or two or more races. For the highest level of parental education category, results are not shown for students who reported that they did not know the highest education level for either parent. SD includes students identified as having either an Individualized Education Program or protection under Section 504 of the Rehabilitation Act of 1973. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2005 and 2013 Mathematics Assessments.

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Overall average scores and percentile scores in twelfth-grade NAEP mathematics: 2005, 2009, and 2013

Type of score	2005	2009	2013
Overall average score	150 *	153	153
10th percentile score	105 *	110	111
25th percentile score	127 *	130	131
50th percentile score	151 *	154	154
75th percentile score	174 *	177	177
90th percentile score	194 *	197	197

* Significantly different ($p < .05$) from 2013.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2005, 2009, and 2013 Mathematics Assessments.

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2013 Mathematics Grade 12 Assessment Report Card: Summary Data Tables with Additional Detail for National and Pilot State Average Scores and Achievement Level Results

Average scores and achievement-level results in NAEP mathematics for twelfth-grade students, by selected characteristics: 2005, 2009, and 2013

Characteristic	Average scale score			Percentage of students											
				Below <i>Basic</i>			At or above <i>Basic</i>			At or above <i>Proficient</i>			At <i>Advanced</i>		
	2005	2009	2013	2005	2009	2013	2005	2009	2013	2005	2009	2013	2005	2009	2013
Race/ethnicity															
White	157 *	161	162	30 *	25	25	70 *	75	75	29 *	33	33	3	3	3
Black	127 *	131	132	70 *	63	62	30 *	37	38	6	6	7	#	#	#
Hispanic	133 *	138	141	60 *	55 *	50	40 *	45 *	50	8 *	11	12	#	#	1
Asian/Pacific Islander	163 *	175	172	27 *	16	19	73 *	84	81	36 *	52	47	6	10	10
American Indian/Alaska Native	134	144	142	58	44	46	42	56	54	6	12	12	1	#	#
Gender															
Male	151 *	155	155	38 *	35	34	62 *	65	66	25 *	28	28	3	4	3
Female	149 *	152	152	40 *	37	36	60 *	63	64	21 *	24	24	1	2	2
Highest level of parental education															
Did not finish high school	130 *	135	137	65 *	59	55	35 *	41	45	7	8	9	#	#	#
Graduated from high school	138	142	139	54	49	51	46	51	49	12	14	12	#	1	#
Some education after high school	148 *	150	152	41 *	37	35	59 *	63	65	18	19	20	1	1	1
Graduated from college	161 *	164	164	26	24	23	74	76	77	34 *	38	38	4	5	5
School location															
City	—	152	149	—	39	41	—	61	59	—	25	22	—	4	3
Suburb	—	157	158	—	32	31	—	68	69	—	30	31	—	3	4
Town	—	151	151	—	38	37	—	62	63	—	22	22	—	1	1
Rural	—	151	153	—	37	34	—	63	66	—	21	24	—	1	2
Students with disabilities (SD)															
SD	114 *	120	119	83 *	74	75	17 *	26	25	5	7	6	#	1	1
Not SD	153 *	156	157	36 *	33	31	64 *	67	69	24 *	28	28	2	3	3
English language learners (ELL)															
ELL	120 *	117 *	109	74 *	80	86	26 *	20	14	3	4	3	#	#	#
Not ELL	151 *	154	155	38 *	35	34	62 *	65	66	24 *	27	26	2	3	3

— Not available.

Rounds to zero.

* Significantly different ($p < .05$) from 2013.

NOTE: Black includes African American, Hispanic includes Latino, and Pacific Islander includes Native Hawaiian. Race categories exclude Hispanic origin. SD includes students identified as having either an Individualized Education Program or protection under Section 504 of the Rehabilitation Act of 1973. The results for students with disabilities and English language learners are based on students who were assessed and cannot be generalized to the total population of such students. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2005, 2009, and 2013 Mathematics Assessments.

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2013 Mathematics Grade 12 Assessment Report Card: Summary Data Tables with Additional Detail for National and Pilot State Average Scores and Achievement Level Results

Percentage of students assessed in twelfth-grade NAEP mathematics, by state/jurisdiction and selected characteristics: 2013

Characteristic	State/jurisdiction													
	Nation (public)	Arkansas	Connecticut	Florida	Idaho	Illinois	Iowa	Massachusetts	Michigan	New Hampshire	New Jersey	South Dakota	Tennessee	West Virginia
Race/ethnicity														
White	56	66	67	45	79	56	84	71	76	92	57	86	70	92
Black	15	21	12	21	1	17	4	10	14	2	14	2	23	5
Hispanic	21	9	15	27	15	21	7	11	5	3	19	3	5	1
Asian/Pacific Islander	6	2	5	4	2	4	2	6	3	3	9	2	2	1
Asian	5	2	5	4	1	4	2	6	3	3	9	2	2	1
Native Hawaiian/Other Pacific Islander	#	#	#	#	#	#	#	#	#	#	#	#	#	#
American Indian/Alaska Native	1	1	#	#	1	#	#	#	1	1	#	7	#	#
Two or more races	2	1	1	3	2	2	2	2	1	#	#	1	#	1
Gender														
Male	50	50	50	50	51	51	51	51	51	51	50	50	50	50
Female	50	50	50	50	49	49	49	49	49	49	50	50	50	50
Highest level of parental education														
Did not finish high school	10	10	5	8	9	10	6	6	5	4	6	4	9	7
Graduated from high school	17	20	16	17	16	16	15	18	16	16	17	15	21	25
Some education after high school	22	26	19	24	23	22	19	17	25	20	19	21	24	24
Graduated from college	47	41	57	47	49	48	58	55	52	58	55	58	43	43
School location														
City	26	28	27	23	29	28	27	18	19	13	9	26	29	14
Suburb	35	9	51	49	13	48	5	64	43	38	77	#	16	19
Town	11	20	5	4	17	11	26	#	10	20	1	25	13	22
Rural	28	43	17	23	41	13	41	18	28	29	12	49	41	45
Students with disabilities (SD)														
SD	9	9	9	10	7	10	10	12	9	13	15	7	8	11
Not SD	91	91	91	90	93	90	90	88	91	87	85	93	92	89
English language learners (ELL)														
ELL	3	4	2	4	2	2	2	3	2	1	1	2	1	#
Not ELL	97	96	98	96	98	98	98	97	98	99	99	98	99	100

Rounds to zero.

NOTE: National data are representative of all states, while state specific data are representative of only those states that participated in the grade 12 state pilot program. Black includes African American, Hispanic includes Latino, and Pacific Islander includes Native Hawaiian. Race categories exclude Hispanic origin. Results are not shown for students who reported that they did not know the highest education level for either of their parents. SD includes students identified as having either an Individualized Education Program or protection under Section 504 of the Rehabilitation Act of 1973. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2013 Mathematics Assessment.

National Center for Education Statistics

2013 Mathematics Grade 12 Assessment Report Card: Summary Data Tables with Additional Detail for National and Pilot State Average Scores and Achievement Level Results

Average scores and achievement-level results in NAEP mathematics for twelfth-grade public school students, by state/jurisdiction: 2009 and 2013

State/jurisdiction	Average scale score		Percentage of students							
			Below <i>Basic</i>		At or above <i>Basic</i>		At or above <i>Proficient</i>		At <i>Advanced</i>	
	2009	2013	2009	2013	2009	2013	2009	2013	2009	2013
Nation (public)	152	152	37	36	63	64	25	25	3	2
Arkansas	146 *	150 **	41 *	36	59 *	64	16	18 **	#	# **
Connecticut	156 *	160 **	31	28 **	69	72 **	29	32 **	3	4 **
Florida	148	149 **	41	40 **	59	60 **	19	19 **	1	1 **
Idaho	153 *	156 **	34	29 **	66	71 **	23	24	1	1 **
Illinois	154	154	33	35	67	65	26	27	2	3
Iowa	156	156 **	29	29 **	71	71 **	25	26	1	1 **
Massachusetts	163	161 **	25	27 **	75	73 **	36	34 **	5	4 **
Michigan	—	154	—	34	—	66	—	25	—	2 **
New Hampshire	160	161 **	26	26 **	74	74 **	32	32 **	3	3
New Jersey	156	159 **	33	29 **	67	71 **	31	33 **	4	4
South Dakota	160	159 **	23	23 **	77	77 **	29	28 **	1	1 **
Tennessee	—	145 **	—	44 **	—	56 **	—	17 **	—	1 **
West Virginia	141 *	145 **	48	45 **	52	55 **	13	14 **	1	1 **

— Not available.

Rounds to zero.

* Significantly different ($p < .05$) from 2013.

** Significantly different ($p < .05$) from nation (public).

NOTE: National data are representative of all states, while state specific data are representative of only those states that participated in the grade 12 state pilot program. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2009 and 2013 Mathematics Assessments.

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2013 Mathematics Grade 12 Assessment Report Card: Summary Data Tables with Additional Detail for National and Pilot State Average Scores and Achievement Level Results

Average scores and achievement-level results in NAEP mathematics for twelfth-grade public school students, by selected racial/ethnic groups and state/jurisdiction: 2009 and 2013

Race/ethnicity and state/jurisdiction	Average scale score		Percentage of students								
			Below <i>Basic</i>		At or above <i>Basic</i>		At or above <i>Proficient</i>		At <i>Advanced</i>		
	2009	2013	2009	2013	2009	2013	2009	2013	2009	2013	
White											
Nation (public)	160	161	26	26	74	74	31	32	3	3	
Arkansas	154 *	156 **	30	26	70	74	20	23 **	1	1 **	
Connecticut	165	168 **	21	19 **	79	81 **	37	40 **	3	5 **	
Florida	156	157	31	28	69	72	24	26 **	1	2 **	
Idaho	155 *	160	30 *	24	70 *	76	24	28 **	1	1 **	
Illinois	162	165 **	24	21 **	76	79 **	32	37 **	2	4	
Iowa	158	159 **	27	24	73	76	26	28 **	1	1 **	
Massachusetts	167	166 **	20	21 **	80	79 **	40	38 **	5	4	
Michigan	—	159	—	27	—	73	—	30	—	2 **	
New Hampshire	161	161	26	26	74	74	32	32	3	3	
New Jersey	165	166 **	23	21 **	77	79 **	39	39 **	4	4	
South Dakota	162	163 **	20	19 **	80	81 **	31	31	1	1 **	
Tennessee	—	152 **	—	35 **	—	65 **	—	21 **	—	1 **	
West Virginia	142 *	145 **	47	44 **	53	56 **	13	14 **	#	1 **	
Black											
Nation (public)	131	131	64	63	36	37	6	7	#	#	
Arkansas	121 *	130	77 *	64	23 *	36	2	3 **	#	#	
Connecticut	131	136 **	61	56	39	44	5	6	#	#	
Florida	133	134	62	60	38	40	7	8	#	#	
Idaho	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
Illinois	130	123 **	62	72	38	28	6	5	1	#	
Iowa	138	125	57	69	43	31	10	5	#	#	
Massachusetts	135	138 **	59	52 **	41	48 **	9	10	#	1	
Michigan	—	129	—	68	—	32	—	5	—	#	
New Hampshire	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
New Jersey	134	139 **	58	50 **	42	50 **	9	10	#	#	
South Dakota	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
Tennessee	—	125 **	—	71 **	—	29 **	—	5	—	#	
West Virginia	121 *	133	74	59	26	41	1	7	#	1	
Hispanic											
Nation (public)	137	140	55 *	51	45 *	49	10	11	#	1	
Arkansas	136 *	143	56	45	44	55	7	10	#	#	
Connecticut	132	141	58	49	42	51	6	12	#	1	
Florida	142	142	49	49	51	51	13	13	1	1	
Idaho	131	136	65	56	35	44	9	7 **	#	#	
Illinois	141	143	52	47	48	53	13	12	#	1	
Iowa	134	139	58	53	42	47	6	10	1	1	
Massachusetts	137	143	54	48	46	52	12	15	1	1	
Michigan	—	135	—	58	—	42	—	9	—	#	
New Hampshire	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
New Jersey	139	143	51	46	49	54	10	14	1	1	
South Dakota	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
Tennessee	—	130 **	—	66 **	—	34 **	—	8	—	#	
West Virginia	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
Asian/Pacific Islander											
Nation (public)	175	172	17	19	83	81	52	46	11	10	
Arkansas	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
Connecticut	173	176	18	15	82	85	50	58	10	11	
Florida	165	170	23	22	77	78	39	47	5	9	
Idaho	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
Illinois	171	180 **	18	12	82	88	46	57	4	13	
Iowa	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
Massachusetts	176	176	15	18	85	82	50	50	12	13	
Michigan	—	166	—	26	—	74	—	42	—	7	
New Hampshire	‡	173	‡	18	‡	82	‡	55	‡	8	
New Jersey	179	182 **	13	11 **	87	89 **	55	60 **	13	15	
South Dakota	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
Tennessee	—	159	—	29	—	71	—	32	—	2	
West Virginia	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	

— Not available.

Rounds to zero.

‡ Reporting standards not met. Sample size insufficient to permit a reliable estimate.

* Significantly different ($p < .05$) from 2013.

** Significantly different ($p < .05$) from nation (public).

NOTE: National data are representative of all states, while state specific data are representative of only those states that participated in the grade 12 state pilot program.

Black includes African American, Hispanic includes Latino, and Pacific Islander includes Native Hawaiian. Race categories exclude Hispanic origin. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2009 and 2013 Mathematics Assessments.

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2013 Mathematics Grade 12 Assessment Report Card: Summary Data Tables with Additional Detail for National and Pilot State Average Scores and Achievement Level Results

Average scores and achievement-level results in NAEP mathematics for twelfth-grade public school students, by gender and state/jurisdiction: 2009 and 2013

Gender and state/jurisdiction	Average scale score		Percentage of students								
			Below <i>Basic</i>		At or above <i>Basic</i>		At or above <i>Proficient</i>		At <i>Advanced</i>		
	2009	2013	2009	2013	2009	2013	2009	2013	2009	2013	
Male											
Nation (public)	154	154	36	36	64	64	27	26	3	3	
Arkansas	146 *	151	42 *	34	58 *	66	18	21 **	1	1 **	
Connecticut	157 *	162 **	31	27 **	69	73 **	30	34 **	4	6 **	
Florida	150	149 **	39	40 **	61	60 **	21	20 **	1	2 **	
Idaho	153	158 **	33	28 **	67	72 **	25	28	2	2 **	
Illinois	156	155	33	36	67	64	29	29	2	4	
Iowa	156	158 **	30	27 **	70	73 **	28	29	1	2 **	
Massachusetts	162	161 **	27	27 **	73	73 **	36	34 **	6	4	
Michigan	—	156	—	32	—	68	—	27	—	2 **	
New Hampshire	161	161 **	27	26 **	73	74 **	35	34 **	4	4	
New Jersey	157	159 **	33	30 **	67	70 **	32	33 **	5	4	
South Dakota	160	162 **	24	21 **	76	79 **	30	31 **	1	2 **	
Tennessee	—	147 **	—	41 **	—	59 **	—	19 **	—	2 **	
West Virginia	142 *	146 **	47	43 **	53	57 **	15	16 **	1	1 **	
Female											
Nation (public)	151	151	38	37	62	63	23	23	2	2	
Arkansas	146	148 **	40	38	60	62	13	15 **	#	# **	
Connecticut	156	158 **	31	29 **	69	71 **	28	31 **	2	3	
Florida	146	148	43	41	57	59	16	19 **	1	1	
Idaho	152	153	34	31 **	66	69 **	21	21	#	1 **	
Illinois	153	153	34	34	66	66	24	25	1	2	
Iowa	156	154 **	27	30 **	73	70 **	22	23	1	1 **	
Massachusetts	163	161 **	23	27 **	77	73 **	35	33 **	3	3	
Michigan	—	152	—	35	—	65	—	23	—	1	
New Hampshire	160	160 **	25	26 **	75	74 **	30	30 **	2	3	
New Jersey	156	159 **	32	29 **	68	71 **	29	32 **	3	3	
South Dakota	159	157 **	22	26 **	78	74 **	27	25	#	# **	
Tennessee	—	143 **	—	47 **	—	53 **	—	14 **	—	# **	
West Virginia	141	143 **	48	47 **	52	53 **	10	12 **	#	# **	

— Not available.

Rounds to zero.

* Significantly different ($p < .05$) from 2013.

** Significantly different ($p < .05$) from nation (public).

NOTE: National data are representative of all states, while state specific data are representative of only those states that participated in the grade 12 state pilot program.

Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2009 and 2013 Mathematics Assessments.

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Average scores and achievement-level results in NAEP mathematics for twelfth-grade public school students, by highest level of parental education and state/jurisdiction: 2009 and 2013

Parental education level and state/jurisdiction	Average scale score		Percentage of students								
			Below <i>Basic</i>		At or above <i>Basic</i>		At or above <i>Proficient</i>		At <i>Advanced</i>		
	2009	2013	2009	2013	2009	2013	2009	2013	2009	2013	
Did not finish high school											
Nation (public)	134	136	60	56	40	44	8	9	#	#	
Arkansas	137	141 **	55	49	45	51	7	9	#	#	
Connecticut	133	134	59	56	41	44	6	7	#	#	
Florida	136	136	57	56	43	44	7	7	#	1	
Idaho	130	135	62	55	38	45	7	4 **	#	#	
Illinois	134	140	60	51	40	49	7	9	#	#	
Iowa	135	132	56	61	44	39	5	5	#	#	
Massachusetts	138	137	54	56	46	44	14	10	1	#	
Michigan	—	131	—	64	—	36	—	3 **	—	#	
New Hampshire	134	135	55	59	45	41	10	8	#	#	
New Jersey	135	143 **	57	49	43	51	7	13	1	1	
South Dakota	134	134	61	58	39	42	6	8	#	#	
Tennessee	—	129 **	—	67 **	—	33 **	—	5	—	#	
West Virginia	123	126 **	71	72 **	29	28 **	5	4 **	#	#	
Graduated from high school											
Nation (public)	141	139	49	51	51	49	14	12	1	#	
Arkansas	138	142	53	47	47	53	10	10	#	#	
Connecticut	141	145 **	47	44	53	56	13	14	#	1	
Florida	141	141	51	50	49	50	13	12	#	#	
Idaho	142	143	46	46	54	54	12	13	#	#	
Illinois	144	138	45	53	55	47	15	11	1	1	
Iowa	144	143	44	44 **	56	56 **	13	13	#	#	
Massachusetts	149	148 **	37	39 **	63	61 **	18	19 **	1	#	
Michigan	—	139	—	53	—	47	—	11	—	#	
New Hampshire	150	151 **	35	36 **	65	64 **	19	20 **	#	1	
New Jersey	142	145 **	47	45 **	53	55 **	15	18 **	1	1	
South Dakota	153	148 **	30	38 **	70	62 **	19	14	#	#	
Tennessee	—	135 **	—	54	—	46	—	9	—	#	
West Virginia	134	135 **	59	57	41	43	6	5 **	#	#	
Some education after high school											
Nation (public)	150	151	37	35	63	65	19	19	1	1	
Arkansas	147	150	39	32	61	68	14	14 **	#	#	
Connecticut	148	152	39	34	61	66	17	19	#	1	
Florida	148	146 **	38	42 **	62	58 **	14	13 **	#	#	
Idaho	154	156 **	29	26 **	71	74 **	22	20	#	#	
Illinois	152	151	34	35	66	65	21	20	1	#	
Iowa	154	154	31	28 **	69	72 **	20	20	#	#	
Massachusetts	157	158 **	28	28 **	72	72 **	24	27 **	2	1	
Michigan	—	153	—	33	—	67	—	20	—	1	
New Hampshire	152	154 **	33	31	67	69	20	21	1	1	
New Jersey	150	153	38	33	62	67	20	21	1	1	
South Dakota	157	158 **	25	23 **	75	77 **	24	23	#	1	
Tennessee	—	145 **	—	44 **	—	56 **	—	12 **	—	#	
West Virginia	141	145 **	50	44 **	50	56 **	10	11 **	#	#	
Graduated from college											
Nation (public)	163	164	25	24	75	76	37	37	5	5	
Arkansas	154	157 **	31	27	69	73	23	26 **	1	1 **	
Connecticut	169	171 **	18	17 **	82	83 **	43	46 **	5	7	
Florida	156	158 **	32	29 **	68	71 **	28	29 **	2	3 **	
Idaho	160 *	165	25	19 **	75	81 **	30	35	2	2 **	
Illinois	164	167 **	22	22	78	78	37	42 **	3	6	
Iowa	163	164	20	19 **	80	81 **	33	34	2	2 **	
Massachusetts	173	171 **	16	17 **	84	83 **	48	45 **	7	7	
Michigan	—	163	—	23	—	77	—	35	—	3 **	
New Hampshire	169	169 **	18	18 **	82	82 **	43	43 **	5	5	
New Jersey	167	170 **	22	19 **	78	81 **	43	45 **	6	6	
South Dakota	165	166 **	18	16 **	82	84 **	35	36	1	2 **	
Tennessee	—	155 **	—	32 **	—	68 **	—	26 **	—	2 **	
West Virginia	153	154 **	32	33 **	68	67 **	22	23 **	1	1 **	

— Not available.

Rounds to zero.

* Significantly different ($p < .05$) from 2013.

** Significantly different ($p < .05$) from nation (public).

NOTE: National data are representative of all states, while state specific data are representative of only those states that participated in the grade 12 state pilot program. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2009 and 2013 Mathematics Assessments.

National Center for Education Statistics

2013 Mathematics Grade 12 Assessment Report Card: Summary Data Tables with Additional Detail for National and Pilot State Average Scores and Achievement Level Results

Average scores and achievement-level results in NAEP mathematics for twelfth-grade public school students, by school location and state/jurisdiction: 2009 and 2013

School location and state/jurisdiction	Average scale score		Percentage of students								
			Below <i>Basic</i>		At or above <i>Basic</i>		At or above <i>Proficient</i>		At <i>Advanced</i>		
	2009	2013	2009	2013	2009	2013	2009	2013	2009	2013	
City											
Nation (public)	151	147	40	43	60	57	24	20	4	2	
Arkansas	148	151	41	36 **	59	64 **	21	21	1	1 **	
Connecticut	143	147	47	43	53	57	15	18	1	1	
Florida	149	151	39	38	61	62	19	22	1	2	
Idaho	157 *	162 **	29	22 **	71	78 **	26	31 **	2	3	
Illinois	150	144	42	47	58	53	25	20	3	2	
Iowa	156	157 **	31	30 **	69	70 **	26	30 **	2	2	
Massachusetts	154	151	37	38	63	62	29	24	5	2	
Michigan	—	142	—	51	—	49	—	17	—	1	
New Hampshire	160	155 **	29	33 **	71	67 **	33	25	3	2	
New Jersey	138	146	54	45	46	55	16	23	2	1	
South Dakota	162	161 **	23	25 **	77	75 **	34	33 **	1	2	
Tennessee	—	141	—	52	—	48	—	16	—	2	
West Virginia	152	153 **	34	35 **	66	65 **	22	21	1	2	
Suburb											
Nation (public)	156	157	33	32	67	68	29	30	3	4	
Arkansas	149	150 **	34	37	66	63	15	19 **	#	#	
Connecticut	160	165 **	27	24 **	73	76 **	33	38 **	4	6	
Florida	150	149 **	40	39 **	60	61 **	21	19 **	1	1 **	
Idaho	152	155	37	31	63	69	24	23	1	1 **	
Illinois	155	159	32	30	68	70	27	33	2 *	4	
Iowa	157	157	29	30	71	70	26	29	3	2	
Massachusetts	164	162 **	23	26 **	77	74 **	37	34 **	4	4	
Michigan	—	157	—	30	—	70	—	28	—	2 **	
New Hampshire	161	161 **	26	26 **	74	74 **	33	32	3	3	
New Jersey	159	162 **	29	27 **	71	73 **	33	35 **	4	4	
South Dakota	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
Tennessee	—	150 **	—	38	—	62	—	22 **	—	2 **	
West Virginia	145	146 **	45	43 **	55	57 **	16	16 **	1	1	
Town											
Nation (public)	150	151	38	37	62	63	22	22	1	1	
Arkansas	144	149	44	38	56	62	17	17	1	1	
Connecticut	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
Florida	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
Idaho	152	152	34	34	66	66	22	24	1	1	
Illinois	154	159 **	31	26 **	69	74 **	24	26	1	2	
Iowa	153	155 **	32	28 **	68	72 **	21	25	#	1	
Massachusetts	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
Michigan	—	159	—	29	—	71	—	31	—	3	
New Hampshire	164	160 **	21	28 **	79	72 **	37	33 **	4	4 **	
New Jersey	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
South Dakota	160	160 **	22	22 **	78	78 **	29	28 **	1	2	
Tennessee	—	146 **	—	43	—	57	—	15 **	—	1	
West Virginia	142	144 **	47	46 **	53	54 **	13	13 **	1	1	
Rural											
Nation (public)	150	152	38	35	62	65	20	23	1	2	
Arkansas	145 *	149 **	42	35	58	65	12	15 **	#	#	
Connecticut	166	168 **	18	17 **	82	83 **	38	40 **	3	4	
Florida	142	148	48	43 **	52	57 **	11	17 **	#	2	
Idaho	149	153	36	33	64	67	19	20	#	1	
Illinois	159	152	24	34	76	66	26	22	1	1	
Iowa	158	155 **	26	28 **	74	72 **	27	23	1	1	
Massachusetts	167	167 **	21	19 **	79	81 **	40	40 **	5	4 **	
Michigan	—	157 **	—	29 **	—	71 **	—	25	—	1	
New Hampshire	157 *	164 **	28	22 **	72	78 **	28 *	36 **	2	3	
New Jersey	159	156	29	30	71	70	30	26	3	3	
South Dakota	158	159 **	23	23 **	77	77 **	25	26	#	1 **	
Tennessee	—	146 **	—	42 **	—	58 **	—	15 **	—	#	
West Virginia	137 *	142 **	53	49 **	47	51 **	9	11 **	#	# **	

— Not available.

Rounds to zero.

‡ Reporting standards not met. Sample size insufficient to permit a reliable estimate.

* Significantly different ($p < .05$) from 2013.

** Significantly different ($p < .05$) from nation (public).

NOTE: National data are representative of all states, while state specific data are representative of only those states that participated in the grade 12 state pilot program. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2009 and 2013 Mathematics Assessments.

National Center for Education Statistics

2013 Mathematics Grade 12 Assessment Report Card: Summary Data Tables with Additional Detail for National and Pilot State Average Scores and Achievement Level Results

Average scores and achievement-level results in NAEP mathematics for twelfth-grade public school students, by status as students with disabilities (SD) and state/jurisdiction: 2009 and 2013

SD status and state/jurisdiction	Average scale score		Percentage of students								
			Below <i>Basic</i>		At or above <i>Basic</i>		At or above <i>Proficient</i>		At <i>Advanced</i>		
	2009	2013	2009	2013	2009	2013	2009	2013	2009	2013	
SD											
Nation (public)	118	118	76	77	24	23	6	5	#	#	
Arkansas	109	114	88	83	12	17	1	2	#	#	
Connecticut	127	134 **	67	58 **	33	42 **	13	13 **	1	2	
Florida	122	125 **	77	71	23	29	3	7	#	1	
Idaho	118	118	79	80	21	20	3	2	#	#	
Illinois	111	116	82	80	18	20	2	4	#	1	
Iowa	118	112 **	81	86 **	19	14 **	2	1 **	#	#	
Massachusetts	136	131 **	55	63 **	45	37 **	12	7	1	1	
Michigan	—	120	—	78	—	22	—	3	—	#	
New Hampshire	135 *	128 **	60	69 **	40	31 **	13 *	6	#	1	
New Jersey	121	125 **	73	70 **	27	30 **	8	6	1	#	
South Dakota	121	123 **	79	72	21	28	2	2	#	#	
Tennessee	—	103 **	—	90 **	—	10 **	—	1	—	#	
West Virginia	104 *	113	89	85 **	11	15 **	2	1	#	#	
Not SD											
Nation (public)	155	156	34	32	66	68	26	27	3	3	
Arkansas	150 *	153 **	36	32	64	68	17	19 **	1	# **	
Connecticut	159 *	163 **	28	25 **	72	75 **	31	34 **	3	4 **	
Florida	150	151 **	38	37 **	62	63 **	20	21 **	1	1 **	
Idaho	155	158 **	30	26 **	70	74 **	24	26	1	1 **	
Illinois	158	158	29	30	71	70	28	30	2	3	
Iowa	160	161 **	24	22 **	76	78 **	27	28	1	2 **	
Massachusetts	166	165 **	22	22 **	78	78 **	38	37 **	5	4 **	
Michigan	—	157	—	30	—	70	—	27	—	2 **	
New Hampshire	165	165 **	21	20 **	79	80 **	35	36 **	4	3	
New Jersey	161	165 **	27 *	22 **	73 *	78 **	33	37 **	4	5	
South Dakota	163	162 **	19	20 **	81	80 **	30	30 **	1	1 **	
Tennessee	—	149 **	—	40 **	—	60 **	—	18 **	—	1 **	
West Virginia	147	148 **	42	40 **	58	60 **	14	15 **	1	1 **	

— Not available.

Rounds to zero.

* Significantly different ($p < .05$) from 2013.

** Significantly different ($p < .05$) from nation (public).

NOTE: SD includes students identified as having either an Individualized Education Program or protection under Section 504 of the Rehabilitation Act of 1973. The results for students with disabilities are based on students who were assessed and cannot be generalized to the total population of such students. National data are representative of all states, while state specific data are representative of only those states that participated in the grade 12 state pilot program. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2009 and 2013 Mathematics Assessments.

National Center for Education Statistics

2013 Mathematics Grade 12 Assessment Report Card: Summary Data Tables with Additional Detail for National and Pilot State Average Scores and Achievement Level Results

Average scores and achievement-level results in NAEP mathematics for twelfth-grade public school students, by status as English language learners (ELL) and state/jurisdiction: 2009 and 2013

ELL status and state/jurisdiction	Average scale score		Percentage of students								
			Below <i>Basic</i>		At or above <i>Basic</i>		At or above <i>Proficient</i>		At <i>Advanced</i>		
	2009	2013	2009	2013	2009	2013	2009	2013	2009	2013	
ELL											
Nation (public)	116 *	109	81	86	19	14	4	3	#	#	
Arkansas	123	132 **	77	65 **	23	35 **	4	6	#	1	
Connecticut	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
Florida	111	112	84	89	16	11	3	2	#	#	
Idaho	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
Illinois	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
Iowa	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
Massachusetts	121	‡	74	‡	26	‡	8	‡	2	‡	
Michigan	—	‡	—	‡	—	‡	—	‡	—	‡	
New Hampshire	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
New Jersey	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
South Dakota	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
Tennessee	—	‡	—	‡	—	‡	—	‡	—	‡	
West Virginia	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	
Not ELL											
Nation (public)	153	154	36	35	64	65	25	25	3	3	
Arkansas	146 *	150 **	40 *	35	60 *	65	16	18 **	#	# **	
Connecticut	157 *	161 **	30	27 **	70	73 **	30	33 **	3	4 **	
Florida	150	150 **	39	39 **	61	61 **	19	20 **	1	1 **	
Idaho	153 *	157 **	33 *	28 **	67 *	72 **	23	25	1	1 **	
Illinois	155	155	33	34	67	66	26	28	2	3	
Iowa	157	157 **	28	28 **	72	72 **	25	26	1	1 **	
Massachusetts	163	162 **	24	25 **	76	75 **	36	34 **	5	4 **	
Michigan	—	155	—	33	—	67	—	26	—	2 **	
New Hampshire	161	161 **	26	26 **	74	74 **	32	33 **	3	3	
New Jersey	157	160 **	32	29 **	68	71 **	31	33 **	4	4	
South Dakota	160	160 **	23	22 **	77	78 **	29	29 **	1	1 **	
Tennessee	—	145 **	—	44 **	—	56 **	—	17 **	—	1 **	
West Virginia	141 *	145 **	48	45 **	52	55 **	13	14 **	#	1 **	

— Not available.

Rounds to zero.

‡ Reporting standards not met. Sample size insufficient to permit a reliable estimate.

* Significantly different ($p < .05$) from 2013.

** Significantly different ($p < .05$) from nation (public).

NOTE: The results for English language learners are based on students who were assessed and cannot be generalized to the total population of such students. National data are representative of all states, while state specific data are representative of only those states that participated in the grade 12 state pilot program. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2009 and 2013 Mathematics Assessments.