

## NAEP 2009 Mathematics Results for Rhode Island

- Overall, there is significant improvement in the average scale scores at both grades 4 and 8 for all students.
- Rhode Island is one of five states to have significant increases in their average scale scores at both grades.

### Grade 4:

- At grade 4, significant increases were also seen at at/above *proficient* and the *advanced* levels.
- Gaps between all subgroups increased from 2007 to 2009 in the average scale scores and *at/above Proficient* levels.
- Rhode Island's Hispanic students have one of the lowest scale score averages in the nation.

### Grade 8:

- At grade 8, English language learners showed increases across all achievement levels as well as the average scale score.
- At grade 8 students in poverty showed a significant increase in average scale score and improvement across all achievement levels.
- Gaps between subgroups for the most part remained unchanged, however, the Asian subgroup out performed the White subgroup for the first time.
- The gap between the non-ELL and ELL subgroups is large (42 scale score points) but it did close by 8 points from 2007.
- Rhode Island's Hispanic students have the lowest scale score in the nation.

## Grade 4 NAEP Mathematics Results

Subgroup	Average Scale Score	At or above		
		Basic	Proficient	Advanced
All Students	▲ (+3)*	▲ (+1)	▲ (+5)*	▲ (+2)*
White	▲ (+5)*	▲ (+3)	▲ (+9)*	▲ (+3)
Black	▲ (+2)	▲ (+4)	▼ (-1)	▼ (-1)
Hispanic	▼ (-1)	▼ (-3)	▼ (-1)	▲ (+1)
Asian	▼ (-2)	▼ (-2)	▼ (-1)	▼ (-2)
Male	▲ (+4)*	▲ (+2)	▲ (+9)*	▲ (+2)
Female	▲ (+2)	—	▲ (+4)	▲ (+2)
Free/Reduced Lunch	▲ (+2)	▲ (+1)	—	—
Non-lunch	▲ (+4)*	▲ (+2)	▲ (+9)*	▲ (+3)
Students with Disabilities	▼ (-2)	▼ (-4)	▼ (-2)	—
Non-SD	▲ (+3)	▲ (+2)	▲ (+6)*	▲ (+2)
ELL ( <i>change is 2005 data</i> )	▲ (+2)	—	—	—
Non-ELL	▲ (+3)	▲ (+1)	▲ (+5)*	▲ (+1)*

## Grade 8 Mathematics Results

Subgroup	Average Scale Score	At or above		
		Basic	Proficient	Advanced
All Students	▲ (+3)*	▲ (+3)	—	▲ (+1)
White	▲ (+2)	▲ (+2)	—	▲ (+1)
Black	▲ (+6)	▲ (+6)	▼ (-1)	▲ (+1)
Hispanic	▲ (+4)	▲ (+4)	▲ (+1)	—
Asian	▲ (+10)	▲ (+14)	▲ (+9)	▲ (+1)
Male	▲ (+2)	▲ (+2)	—	—
Female	▲ (+3)	▲ (+4)	▼ (-1)	▲ (+1)
Free/Reduced Lunch	▲ (+4)*	▲ (+6)	▲ (+2)	▲ (+1)
Non-lunch	▲ (+3)	▲ (+3)	▲ (+1)	▲ (+1)
Students with Disabilities	▲ (+2)	▲ (+1)	—	—
Non-SD	▲ (+3)*	▲ (+4)*	—	—
ELL ( <i>change is 2005 data</i> )	▲ (+13)*	▲ (+6)	▲ (+7)	▲ (+3)
Non-ELL	▲ (+2)*	▲ (+2)	—	▲ (+1)

**NAEP Grade 4 Mathematics Results for Rhode Island Subgroups:**

Average Scale Score								
	All Students	White	Black	Hispanic	Asian	Poverty	SD	ELL
2007	236	242	219	220	244	222	216	207
2009	239	247	221	219	242	224	214	209
<i>Change</i>	+3	+5	+2	-1	-2	+2	+2	+2

Percent of Students at/above Proficient								
	All Students	White	Black	Hispanic	Asian	Poverty	SD	ELL only
2007	34	41	16	15	41	18	16	11
2009	39	50	15	14	40	18	14	11
<i>Change</i>	+5	+9	-1	-1	-1	0	-2	0

Percent of Students at/above Basic								
	All Students	White	Black	Hispanic	Asian	Poverty	SD	ELL only
2007	80	86	59	62	88	65	55	44
2009	81	89	63	59	86	66	51	44
<i>Change</i>	+1	+3	+4	-3	-2	+1	-4	0

**NAEP Grade 8 Mathematics Results for Rhode Island Subgroups:**

Average Scale Score								
	All Students	White	Black	Hispanic	Asian	Poverty	SD	ELL
2007	275	284	250	251	282	257	243	224 <sup>^</sup>
2009	278	286	256	255	292	261	245	237
<i>Change</i>	+3	+2	+6	+4	+10	+4	+2	+13

Percent of Students at/above Proficient								
	All Students	White	Black	Hispanic	Asian	Poverty	SD	ELL
2007	28	35	9	7	31	10	5	1 <sup>^</sup>
2009	28	35	8	8	40	12	5	8
<i>Change</i>	0	0	-1	+1	+9	+2	0	+7

Percent of Students at/above Basic								
	All Students	White	Black	Hispanic	Asian	Poverty	SD	ELL
2007	65	75	39	39	71	45	29	30
2009	68	77	45	43	85	51	30	24
<i>Change</i>	+3	+2	+6	+4	+14	+6	+1	+6

Shaded cells indicate a statistically significant change.

**NAEP Grade 4 2009 Mathematics Results between National and Rhode Island Subgroups:**

Average Scale Score								
	All Students	White	Black	Hispanic	Asian	Poverty	SD	ELL
Nation	239	248	222	227	255	228	220	218
Rhode Island	239	247	221	219	242	224	214	209
<i>Difference</i>	0	-1	-1	-8	-13	-4	-6	-9

Percent of Students at/above Proficient								
	All Students	White	Black	Hispanic	Asian	Poverty	SD	ELL
Nation	38	50	15	21	61	22	59	57
Rhode Island	39	50	15	14	40	18	51	44
<i>Difference</i>	+1	0	0	-7	-21	-4	-8	-13

Percent of Students at/above Basic								
	All Students	White	Black	Hispanic	Asian	Poverty	SD	ELL
Nation	81	90	63	70	91	71	19	12
Rhode Island	81	89	63	59	86	66	13	10
<i>Difference</i>	0	-1	0	-11	-5	-5	-6	-2

**NAEP Grade 8 2009 Mathematics Results between National and Rhode Island Subgroups:**

Average Scale Score								
	All Students	White	Black	Hispanic	Asian	Poverty	SD	ELL
Nation	282	292	260	266	300	266	249	243
Rhode Island	278	286	256	255	292	261	245	237
<i>Difference</i>	-4	-6	-4	-11	-8	-5	-4	-6

Percent of Students at/above Proficient								
	All Students	White	Black	Hispanic	Asian	Poverty	SD	ELL
Nation	33	43	12	17	53	17	9	5
Rhode Island	28	35	8	8	40	12	5	8
<i>Difference</i>	-5	-8	-4	-9	-13	-5	-4	+3

Percent of Students at/above Basic								
	All Students	White	Black	Hispanic	Asian	Poverty	SD	ELL
Nation	71	82	49	56	84	57	36	28
Rhode Island	68	77	45	43	85	51	30	24
<i>Difference</i>	+3	-5	-4	-13	+1	-6	-6	-4

### **NAEP Grade 4 2009 Mathematics Results - Gaps**

First number is the size of the gap in 2009. Red indicates the gap widened from 2007 to 2009; green indicates the gap closed from 2007 - 2009.

	<b>Average Scale Score</b>	<b>% at/ above Proficient</b>	<b>% at/ above Basic</b>
White-Black	26/+3	35/+10	26/-1
White-Hispanic	28/+6	36/+10	30/+6
White-Asian**	5/+3	10/+10	5/+3
Non-poverty - Poverty	25/+2	24/+2	25/+1
Non-IEP - IEP	28/+7	30/+8	34/+7
Non-ELL - ELL	29/+2	30/+5	35/+2

### **NAEP Grade 8 2009 Mathematics Results - Gaps**

First number is the size of the gap in 2009. Red indicates the gap widened from 2007 to 2009; green indicates the gap closed from 2007 - 2009.

	<b>Average Scale Score</b>	<b>% at/ above Proficient</b>	<b>% at/ above Basic</b>
White-Black	30/+4	27/+1	32/-4
White-Hispanic	31/-2	27/+1	34/-2
White-Asian**	6/+6	5/+9	8/+12
Non-poverty - Poverty	27/-1	25/+1	28/-3
Non-IEP - IEP	35/-3	27/0	46/+4
Non-ELL - ELL	42/-8	20/-3	46/-9

\*\* Asian subgroup out performed White subgroup