

TESTING BRIEF
National Assessment of Educational Progress (NAEP) - Mathematics
January 27 – March 7, 2013

The Nation's Report Card, the National Assessment of Educational Progress (NAEP), is a nationally representative and continuing assessment of what America's students know and can do in various subject areas. Since 1969, assessments have been conducted periodically in reading, mathematics, science, writing, history, geography, and other fields. By making objective information on student performance available to policymakers at the national, state, and local levels, NAEP is an integral part of our nation's evaluation of the condition and progress of education. Only information related to academic achievement is collected under this program. NAEP guarantees the privacy of individual students and their families. This report provides selected NAEP results for Georgia's public school students in mathematics at grades 4 and 8. Student performance is reported as an average score based on the NAEP mathematics scale, which ranges from 0 to 500. Beginning in 1990, mathematics has been assessed in ten different years at the state level (at grade 8 in 1990, and at both grades 4 and 8 in 1992, 1996, 2000, 2003, 2005, 2007, 2009, 2011 and 2013). This report presents results from 2000 to 2013.

KEY FINDINGS IN MATHEMATICS

Grade 4

- The average mathematics score for students in Georgia was 240. This was not significantly different than the score in 2011 (238) but was significantly different than the score in 2009 (236).
- Georgia's average score in 2013 (240) was not significantly different than that of the nation's public schools (241).
- The average mathematics score for White students in Georgia increased from 249 in 2011 to 250 in 2013. The average score for Black students increased from 224 in 2011 to 226 in 2013. The average score for Hispanic students increased from 233 in 2011 to 235 in 2013.
- The average mathematics score for students who were eligible for the National School Lunch (NSL) Program was 227 in 2011 and 230 in 2013.
- In 2013, the percentage of students in Georgia who performed at or above *Basic* was 81 percent. This was not significantly different from 2011 (80 percent) or 2009 (78 percent).
- The percentage of students in Georgia who performed at or above *Basic* (81 percent) was not significantly different from the percentage for the nation's public schools (82 percent).
- In 2013, the percentage of students in Georgia who performed at or above *Proficient* was 39 percent. This was not significantly different from 2011 (37 percent), but was significantly different from 2009 (34 percent).
- The percentage of students in Georgia who performed at or above *Proficient* (39 percent) was not significantly different from the percentage for the nation's public schools (41 percent).
- In 2013, the percentage of students in Georgia who performed at *Advanced* was 7 percent. This was not significantly different from 2011 (6 percent), but was significantly different from 2009 (5 percent).

KEY FINDINGS IN MATHEMATICS

Grade 8

- The average mathematics score for students in Georgia was 279, and was not significantly different from that in 2011 (278) or 2009 (278).
- Georgia's average score (279) was lower than that of the nation's public schools (284).
- The average mathematics score for White students in Georgia increased from 291 in 2011 to 292 in 2013. Black students' average score remained the same at 262 in 2011 and 2013. Scores for Hispanic students decreased one scale score point from 277 in 2011 to 276 in 2013.
- The average mathematics score for students who were eligible for the National School Lunch (NSL) Program in Georgia was unchanged at 267 from 2011 to 2013.
- In 2013, the percentage of students in Georgia who performed at or above *Basic* was 68 percent. This was not significantly different from 2011 (68 percent) or 2009 (67 percent).
- The percentage of students in Georgia who performed at or above *Basic* (68 percent) was less than the percentage for the nation's public schools (73 percent).
- In 2013, the percentage of students in Georgia who performed at or above *Proficient* was 29 percent. This was not significantly different from 2011 (28 percent) or 2009 (27 percent).
- The percentage of students in Georgia who performed at or above *Proficient* (29 percent) was less than the percentage for the nation's public schools (34 percent).
- In 2013, the percentage of students in Georgia who performed at *Advanced* was 7 percent. This was not significantly different from 2011 (6 percent), but it was significantly different from 2009 (5 percent).

Table 1: Average Scale Scores – NAEP Grade 4 Mathematics 2000-2013

Average Scale Scores								
	2000	2003	2005	2007	2009	2011	2013	Change 2000-2013
All Students	219*	230*	234*	235*	236*	238	240	+21
White	230*	241*	243*	246*	247	249	250	+20
Black	204*	217*	221*	222*	221*	224	226	+22
Hispanic	217*	219*	229	229*	231	233	235	+18
Asian	N/A	248*	255	255*	256	263	263	+15**
Male	220*	231*	234*	236*	237	238	241	+21
Female	218*	229*	233*	234*	236*	239	239	+21
FRL (NSL)	204*	219*	224*	224*	225*	227*	230	+26
Students with Disabilities	196*	209*	218	219	215	214	216	+20
English Learner	N/A	208	208	212	220	219	217	+9**

*Value is significantly different from the 2013 value.

N/A – Reporting standards for sample size not met.

**Due to N/A, change reported for years other than 2000-2013.

Figure 1: Average Scale Scores – NAEP Grade 4 Mathematics 2000-2013

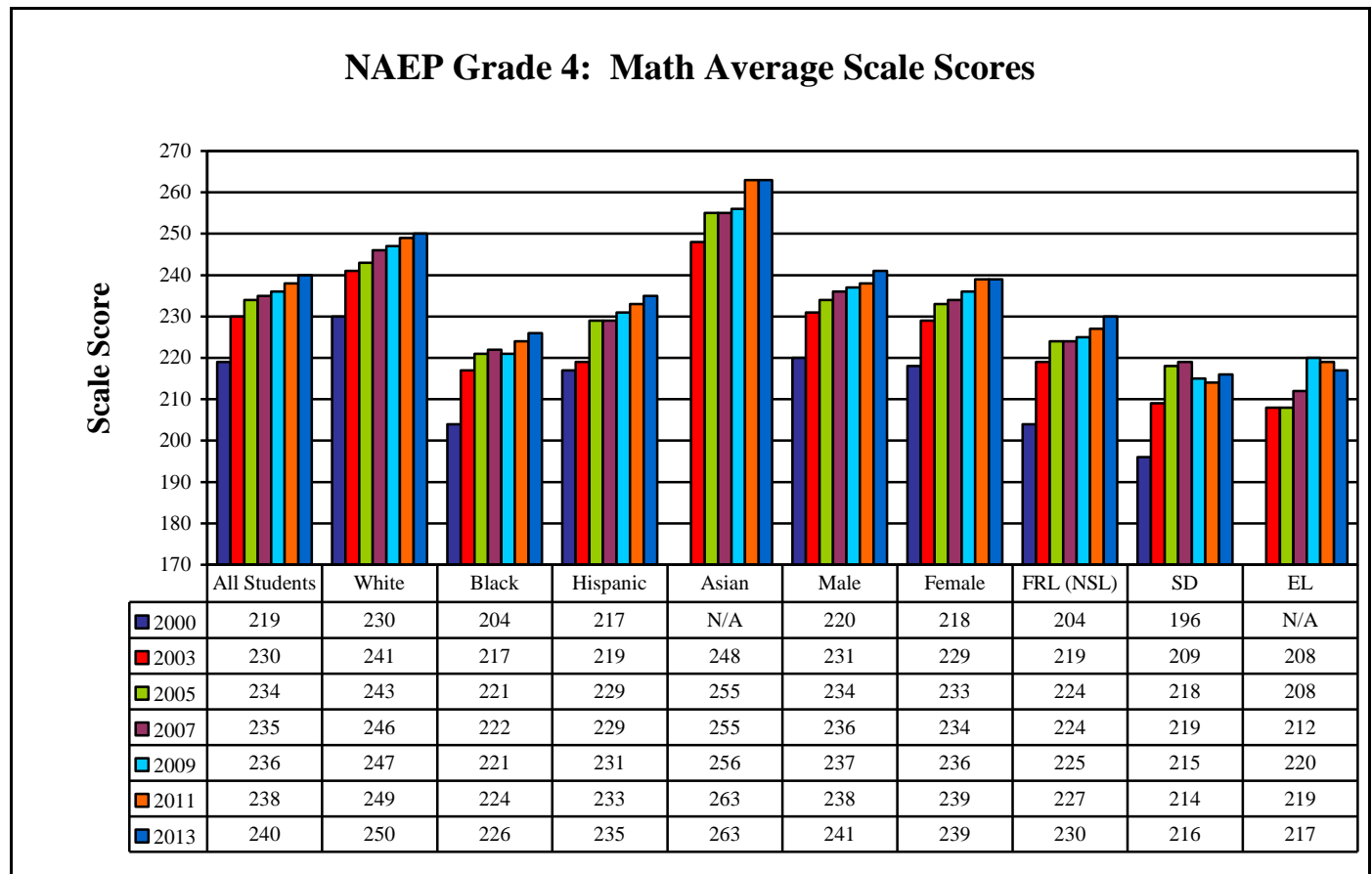


Table 2: Achievement Level – Percent At or Above Basic on NAEP Grade 4 Mathematics 2000-2011

Percent At or Above Basic								
	2000	2003	2005	2007	2009	2011	2013	Change 2000-2013
All Students	57*	72*	76*	79	78	80	81	+24
White	73*	84*	87	90	90	91	91	+18
Black	36*	56*	61	64	62	65	68	+32
Hispanic	58*	60*	73	75	75	76	77	+19
Asian	N/A	87	95	90	93	94	95	+8**
Male	59*	72*	76*	79	77	78	81	+22
Female	55*	71*	76*	78	79	81	81	+26
FRL (NSL)	36*	59*	65*	68*	68*	70	73	+37
Students with Disabilities	32*	43*	54	58	53	49	53	+21
English Learner	N/A	41	42	51	59	56	54	+13**

*Value is significantly different from the 2013 value.

N/A – Reporting standards for sample size not met.

**Due to N/A, change reported for years other than 2000-2013.

Figure 2: Percent At or Above Basic – NAEP Grade 4 Mathematics 2000-2013

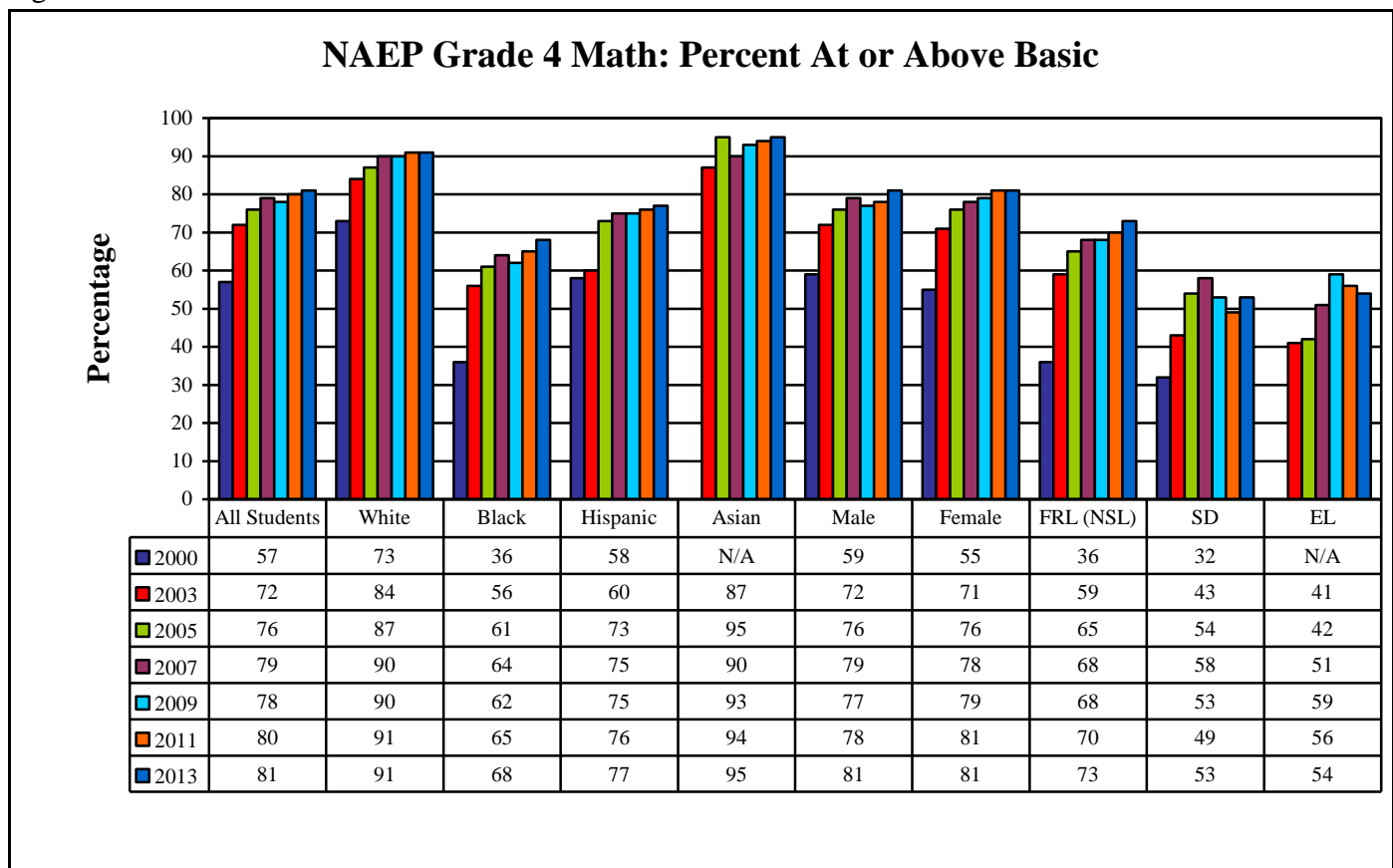


Table 3: Achievement Level – Percent At or Above Proficient in NAEP Grade 4 Mathematics 2000-2013

Percent At or Above Proficient								
	2000	2003	2005	2007	2009	2011	2013	Change 2000-2013
All Students	17*	27*	30*	32*	34*	37	39	+22
White	27*	40*	43*	46	48	51	53	+26
Black	5*	11*	12*	13*	15	18	20	+15
Hispanic	12*	13*	22	20*	26	29	33	+21
Asian	N/A	53	57	63	60	70	71	+18**
Male	19*	29*	30*	33*	35	37	40	+21
Female	16*	25*	29*	30*	32*	37	38	+22
FRL (NSL)	5*	12*	16*	16*	19*	21	25	+20
Students with Disabilities	4*	11	15	18	13	14	16	+12
English Learner	N/A	8	4	5	14	13	11	+3**

*Value is significantly different from the 2013 value.

N/A – Reporting standards for sample size not met.

**Due to N/A, change reported for years other than 2000-2013.

Figure 3: Percent At or Above Proficient – NAEP Grade 4 Mathematics 2000-2013

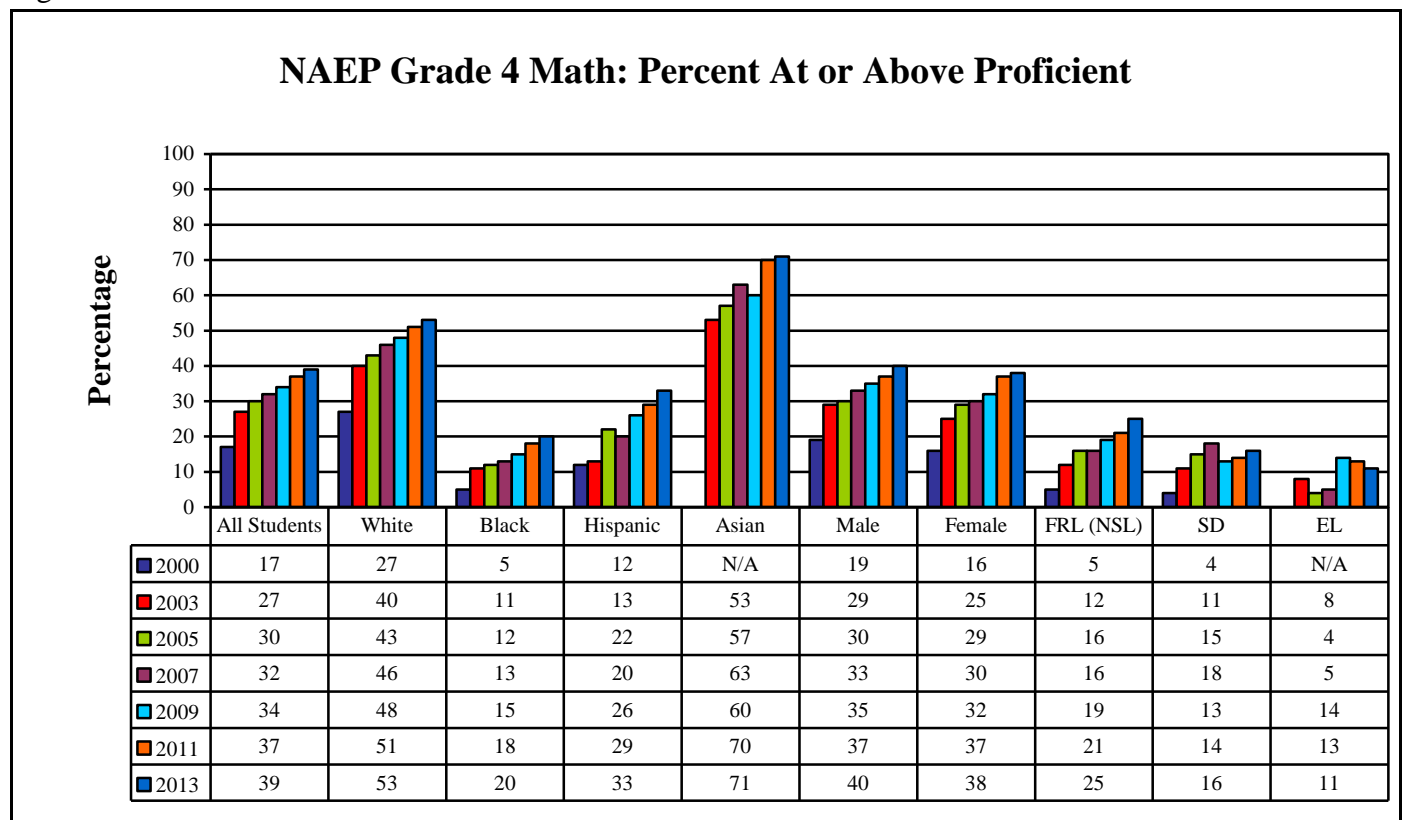


Table 4: Average Scale Scores – NAEP Grade 8 Mathematics 2000-2013

Average Scale Scores								
	2000	2003	2005	2007	2009	2011	2013	Change 2000-2013
All Students	265*	270*	272*	275*	278	278	279	+14
White	279*	284*	284*	288	289	291	292	+13
Black	244*	250*	255*	261	262	262	262	+18
Hispanic	N/A	262*	258*	266	270	277	276	+14**
Asian	N/A	286*	301	N/A	300	302	310	+24**
Male	265*	270*	273*	275*	277	279	279	+14
Female	265*	269*	272*	274*	278	278	279	+14
FRL (NSL)	246*	253*	257*	262*	265	267	267	+21
Students with Disabilities	232	234*	241	246	245	244	244	+12
English Learner	N/A	239	242	237	N/A	245	239	0**

*Value is significantly different from the 2013 value.

N/A – Reporting standards for sample size not met.

**Due to N/A, change reported for years other than 2000-2013.

Figure 4: Average Scale Scores – NAEP Grade 8 Mathematics 2000-2013

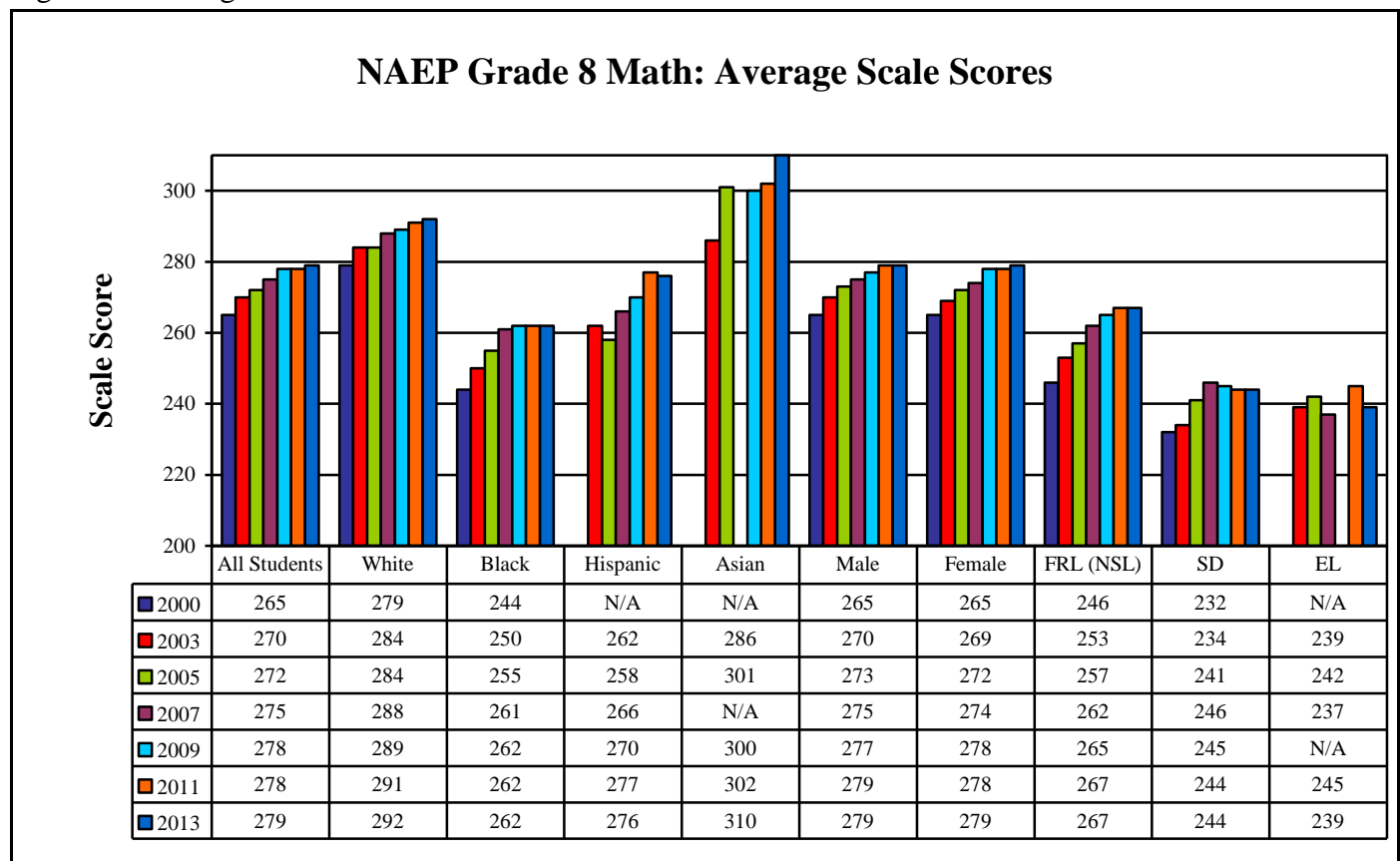


Table 5: Achievement Level – Percent At or Above Basic on NAEP Grade 8 Mathematics 2000-2013

Percent At or Above Basic								
	2000	2003	2005	2007	2009	2011	2013	Change 2000-2013
All Students	54*	59*	62*	64*	67	68	68	+14
White	71*	77*	76*	80	80	82	81	+10
Black	28*	36*	43*	48	50	51	51	+23
Hispanic	N/A	49*	48*	55	59	69	67	+18**
Asian	N/A	73	84	N/A	86	88	86	+13**
Male	55*	60*	62*	64	65	67	68	+13
Female	54*	59*	62*	64	68	70	68	+14
FRL (NSL)	30*	39*	44*	49*	53	58	57	+27
Students with Disabilities	26	24	29	34	28	30	30	+4
English Learner	N/A	25	27	20	N/A	28	22	-3**

*Value is significantly different from the 2013 value.

N/A – Reporting standards for sample size not met.

**Due to N/A, change reported for years other than 2000-2013.

Figure 5: Percent At or Above Basic – NAEP Grade 8 Mathematics 2000-2013

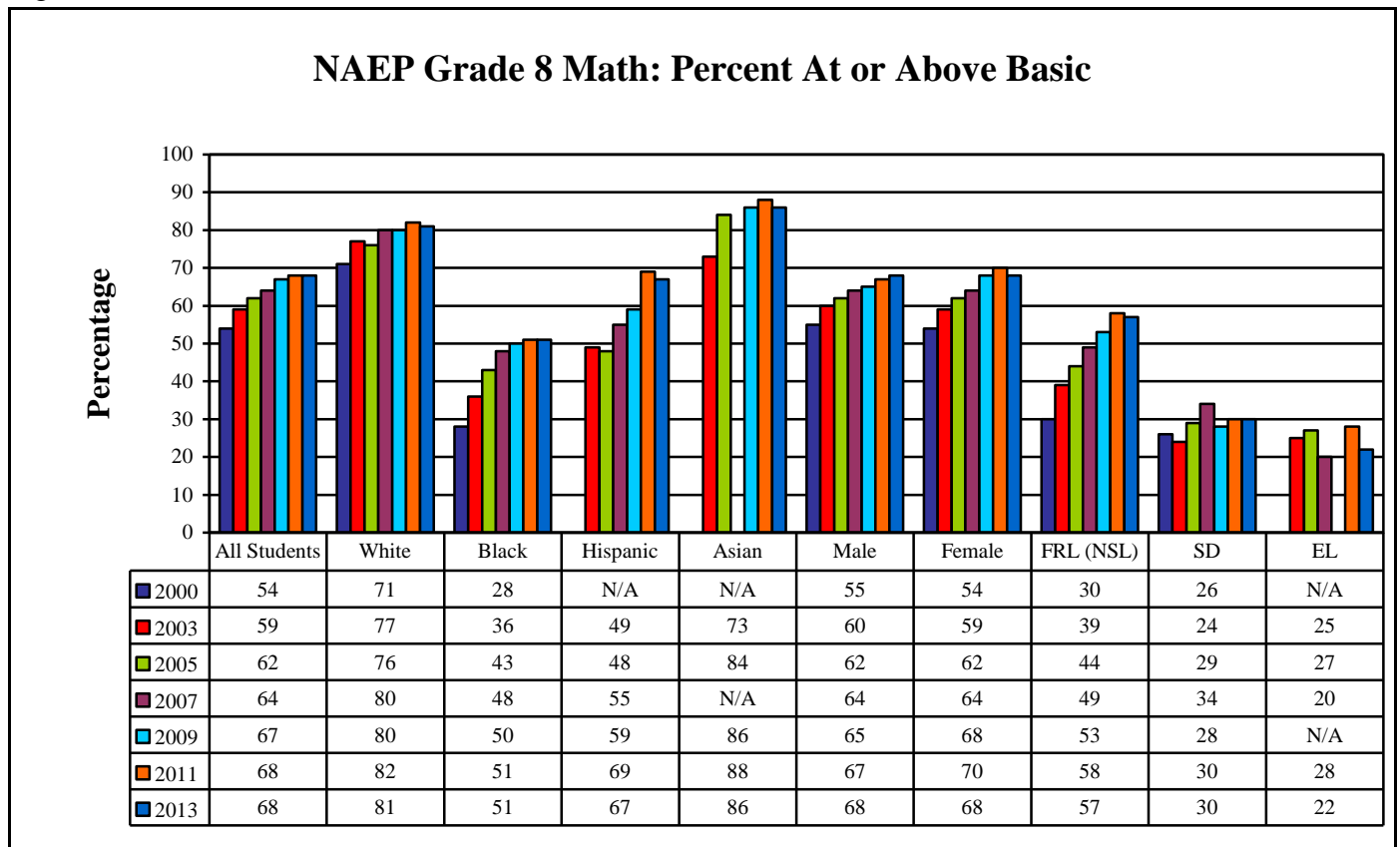


Table 6: Achievement Level – Percent At or Above Proficient on NAEP Grade 8 Mathematics 2000-2013

Percent At or Above Proficient								
	2000	2003	2005	2007	2009	2011	2013	Change 2000-2013
All Students	19*	22*	23*	25*	27	28	29	+10
White	27*	32*	34*	37	39	40	42	+15
Black	4*	7*	8*	11	11	12	12	+8
Hispanic	N/A	14	12*	16	18	25	24	+10**
Asian	N/A	40	52	N/A	49	52	62	+22**
Male	19*	24*	24*	26	27	29	30	+11
Female	18*	20*	23*	23*	27	27	29	+11
FRL (NSL)	5*	8*	9*	12*	13*	16	17	+12
Students with Disabilities	5	6	6	6	6	4	6	+1
English Learner	N/A	4	10	1	N/A	6	4	0**

*Value is significantly different from the 2013 value.

N/A – Reporting standards for sample size not met.

**Due to N/A, change reported for years other than 2000-2013.

Figure 6: Percent At or Above Proficient – NAEP Grade 8 Mathematics 2000-2013

