

**TESTING BRIEF**  
**National Assessment of Educational Progress (NAEP)**  
**January 22 – March 2, 2007**

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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 results from the National Assessment of Educational Progress (NAEP) 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 seven different years at the state level (at grade 8 in 1990, and at both grades 4 and 8 in 1992, 1996, 2000, 2003, 2005 and 2007).

**KEY FINDINGS IN MATHEMATICS**

**Grade 4**

- The average mathematics score for students in Georgia was 235. This was significantly higher than 2003 (230) and not significantly different from that in 2005 (234).
- Georgia's average score in 2007 (235) was lower than that of the nation's public schools (239).
- The average mathematics score for White students in Georgia changed from (243) in 2005 to (246) in 2007. The average score for Black students changed from (221) in 2005 to (222) in 2007. Neither of these changes was significant. The average score for Hispanic students was the same in 2005 and 2007 (229).
- The average reading score for students who were eligible for the National School Lunch Program was the same (224) in 2005 and 2007.
- The percentage of students in Georgia who performed at or above *Basic* was 79 percent. This was not significantly greater than that in 2005 (76 percent).
- The percentage of students in Georgia who performed at or above *Proficient* was 32 percent. This was not significantly different from that in 2005 (30 percent).

**Grade 8**

- The average mathematics score for students in Georgia was 275. This was higher than that in 2003 (270) and was not significantly different from that in 2005 (272).
- Georgia's average score (275) was lower than that of the nation's public schools (280).
- The average mathematics score for White students in Georgia changed from (284) in 2005 to (288) in 2007. Black students' average score increased significantly from (255) in 2005 to (261) in 2007. Scores for Hispanic students changed from (258) in 2005 to (266) in 2007.
- The average mathematics score for students who were eligible for the National School Lunch Program in Georgia increased from (257) in 2005 to (262) in 2007.
- The percentage of students in Georgia who performed at or above *Basic* was 64 percent. This was not significantly different from that in 2005 (62 percent).
- The percentage of students in Georgia who performed at or above *Proficient* was 25 percent. This was not significantly different from that in 2005 (23 percent).

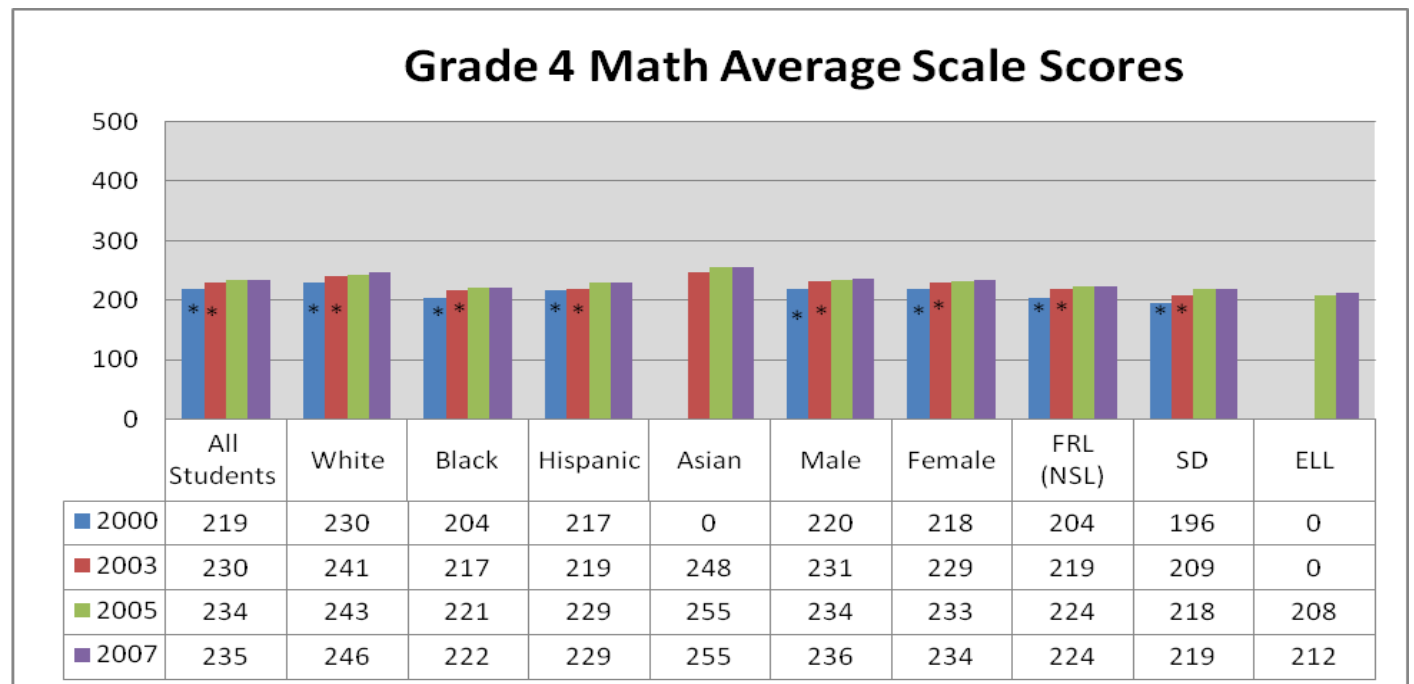
Table 1  
Average Scale Scores  
Mathematics 2000-2007  
Grade 4

Table 1: Average Scale Scores					
	2000	2003	2005	2007	Change 2000-2007
All Students	219	230	234	235	16
White	230	241	243	246	16
Black	204	217	221	222	18
Hispanic	217	219	229	229	12
Asian	NA	248	255	255	7**
Male	220	231	234	236	16
Female	218	229	233	234	16
FRL (NSL)	204	219	224	224	20
Students with Disabilities	196	209	218	219	23
English Language Learner	NA	208	208	212	4**

\*\*Change reported for years other than 2000-2007

NA – Reporting standards for sample size not met.

Graph 1  
Average Scale Scores  
Mathematics 2000-2007  
Grade 4



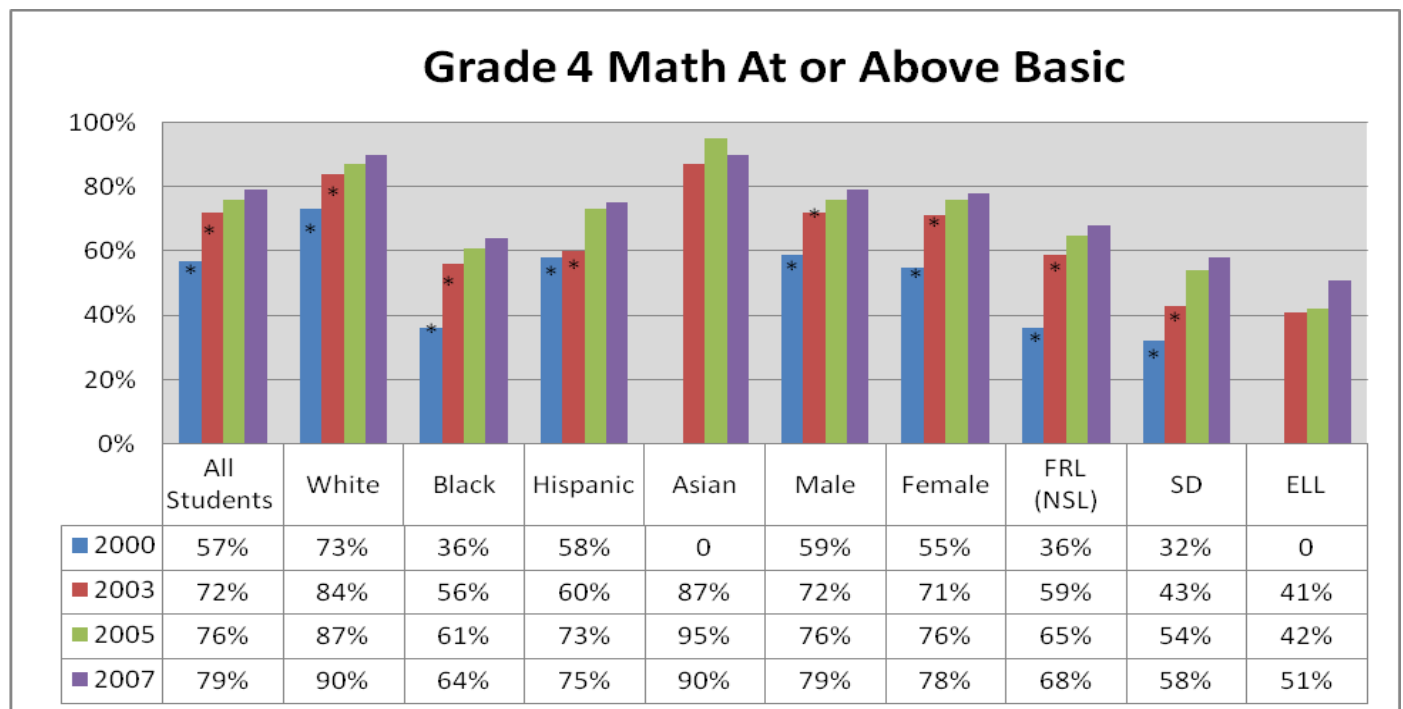
\*Value is significantly different from the 2007 value

Table 2  
 Achievement Level – At or Above Basic  
 Mathematics 2000-2007  
 Grade 4

Table 2: Achievement Level – At or Above Basic					
	2000	2003	2005	2007	*Change 2000-2007
All Students	57%	72%	76%	79%	22
White	73%	84%	87%	90%	17
Black	36%	56%	61%	64%	28
Hispanic	58%	60%	73%	75%	17
Asian	NA	87%	95%	90%	3**
Male	59%	72%	76%	79%	20
Female	55%	71%	76%	78%	23
FRL (NSL)	36%	59%	65%	68%	32
Students with Disabilities	32%	43%	54%	58%	26
English Language Learner	NA	41%	42%	51%	10**

\* Indicates change in percentage score point  
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 NA – Reporting standards for sample size not met.

Graph 2  
 Achievement Level – At or Above Basic  
 Mathematics 2000-2007  
 Grade 4



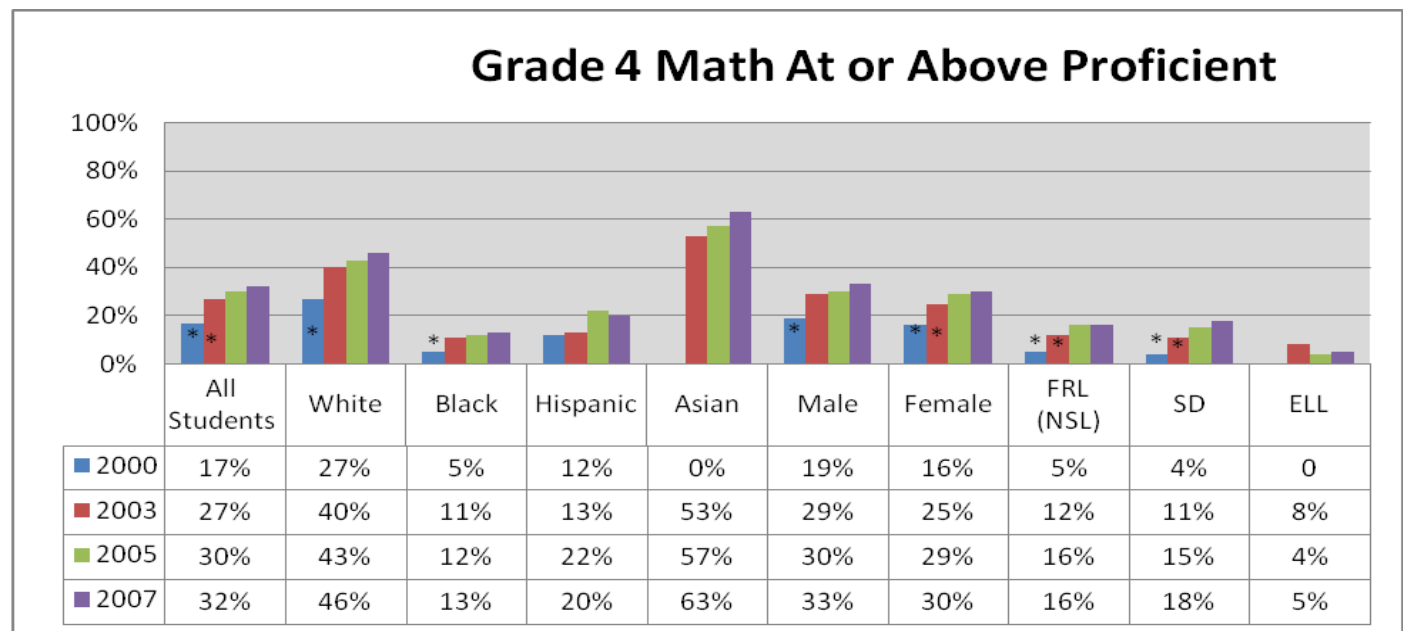
\*Value is significantly different from the 2007 value

Table 3  
 Achievement Level – At or Above Proficient  
 Mathematics 2000-2007  
 Grade 4

Table 3: Achievement Level – At or Above Proficient					
	2000	2003	2005	2007	*Change 2000-2007
All Students	17%	27%	30%	32%	15
White	27%	40%	43%	46%	19
Black	5%	11%	12%	13%	8
Hispanic	12%	13%	22%	20%	8
Asian	NA	53%	57%	63%	10**
Male	19%	29%	30%	33%	14
Female	16%	25%	29%	30%	14
FRL (NSL)	5%	12%	16%	16%	11
Students with Disabilities	4%	11%	15%	18%	14
English Language Learner	NA	8%	4%	5%	-3**

\* Indicates change in percentage score point  
 \*\*Reported change for years other than 2000-2007  
 NA – Reporting standards for sample size not met.

Graph 3  
 Achievement Level – At or Above Proficient  
 Mathematics 2000-2007  
 Grade 4



\*Value is significantly from the 2007 value

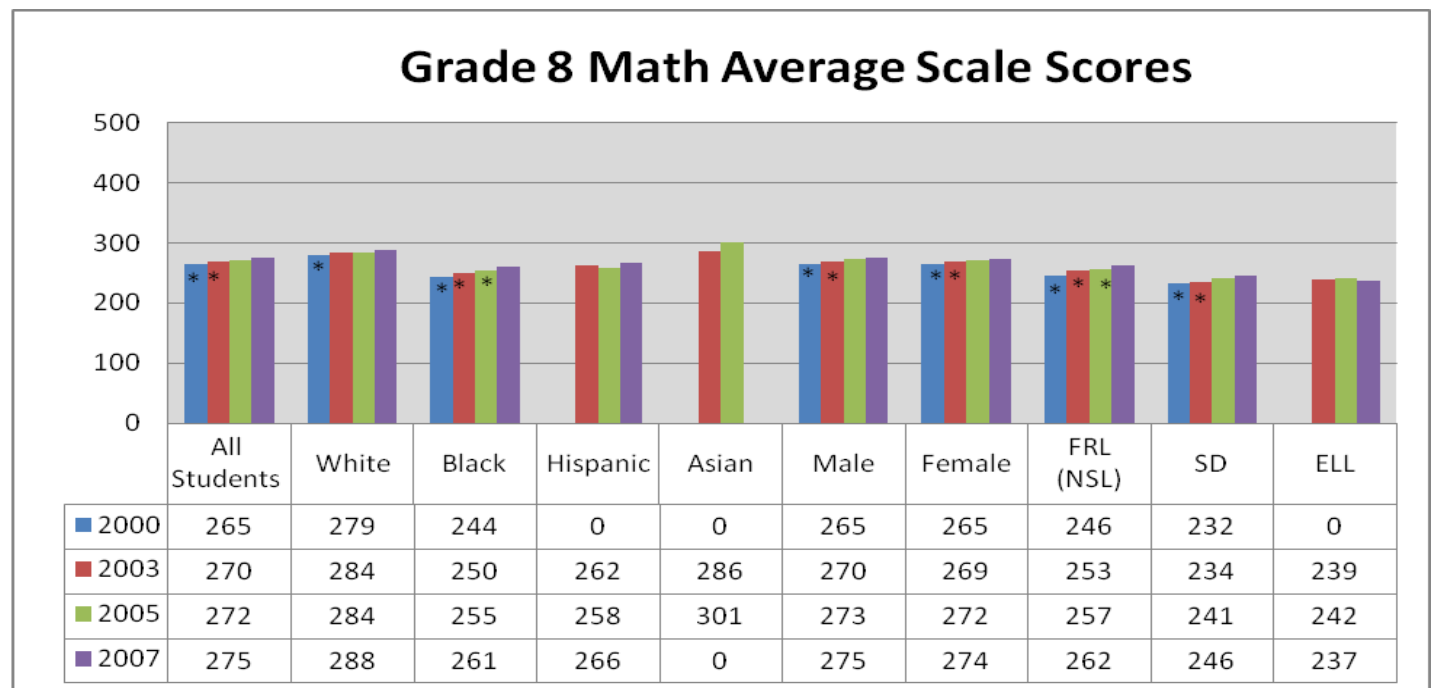
Table 4  
 Average Scale Scores  
 Mathematics 2000-2007  
 Grade 8

Table 4: Average Scale Scores					
	2000	2003	2005	2007	Change 2000-2007
All Students	265	270	272	275	10
White	279	284	284	288	9
Black	244	250	255	261	17
Hispanic	NA	262	258	266	4**
Asian	NA	286	301	NA	15**
Male	265	270	273	275	10
Female	265	269	272	274	9
FRL (NSL)	246	253	257	262	16
Students with Disabilities	232	234	241	246	14
English Language Learner	NA	239	242	237	-2**

\*\*Change reported for years other than 2000-2007

NA – Reporting standards for sample size not met.

Graph 4  
 Average Scale Scores  
 Mathematics 2000-2007  
 Grade 8



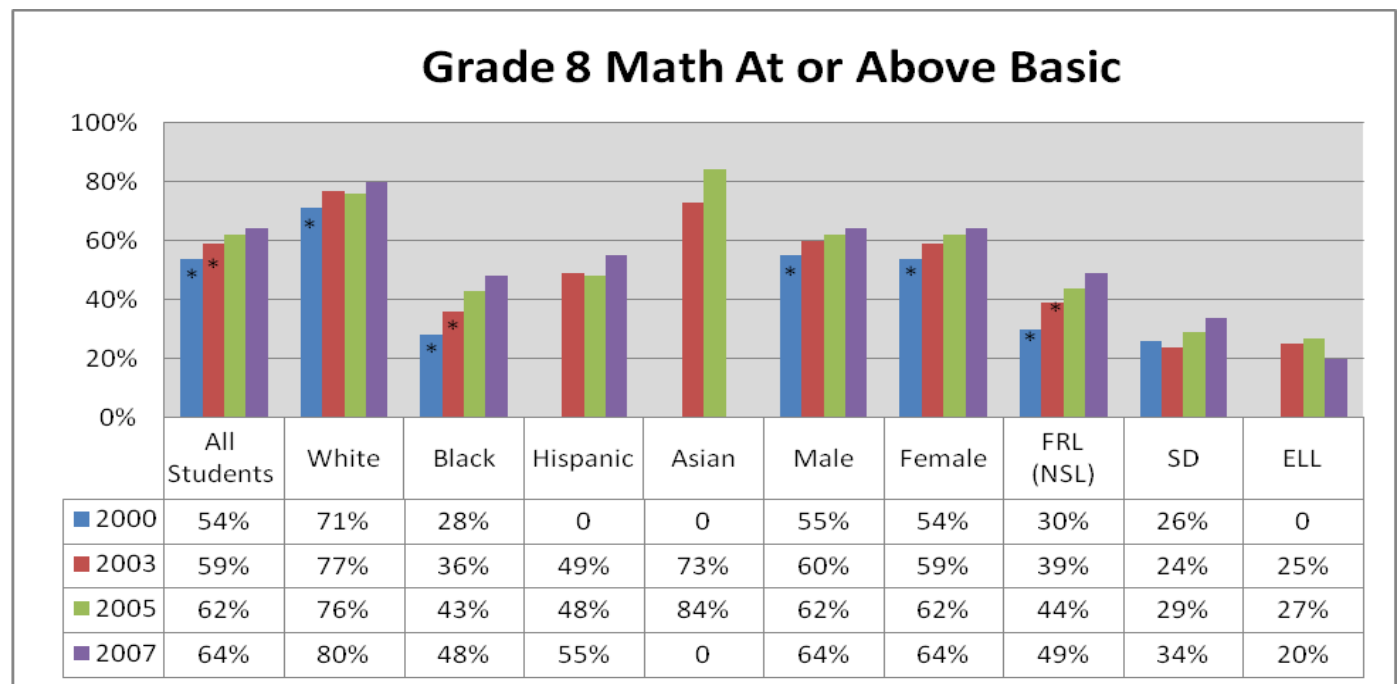
\*Value is significantly different from the value for 2007

Table 5  
 Achievement Level – At or Above Basic  
 Mathematics 2000-2007  
 Grade 8

Table 5: Achievement Level – At or Above Basic					
	2000	2003	2005	2007	*Change 2000-2007
All Students	54%	59%	62%	64%	10
White	71%	77%	76%	80%	9
Black	28%	36%	43%	48%	20
Hispanic	NA	49%	48%	55%	6**
Asian	NA	73%	84%	NA	11**
Male	55%	60%	62%	64%	9
Female	54%	59%	62%	64%	10
FRL (NSL)	30%	39%	44%	49%	19
Students with Disabilities	26%	24%	29%	34%	8
English Language Learner	NA	25%	27%	20%	-5**

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Graph 5  
 Achievement Level – At or Above Basic  
 Mathematics 2000-2007  
 Grade 8



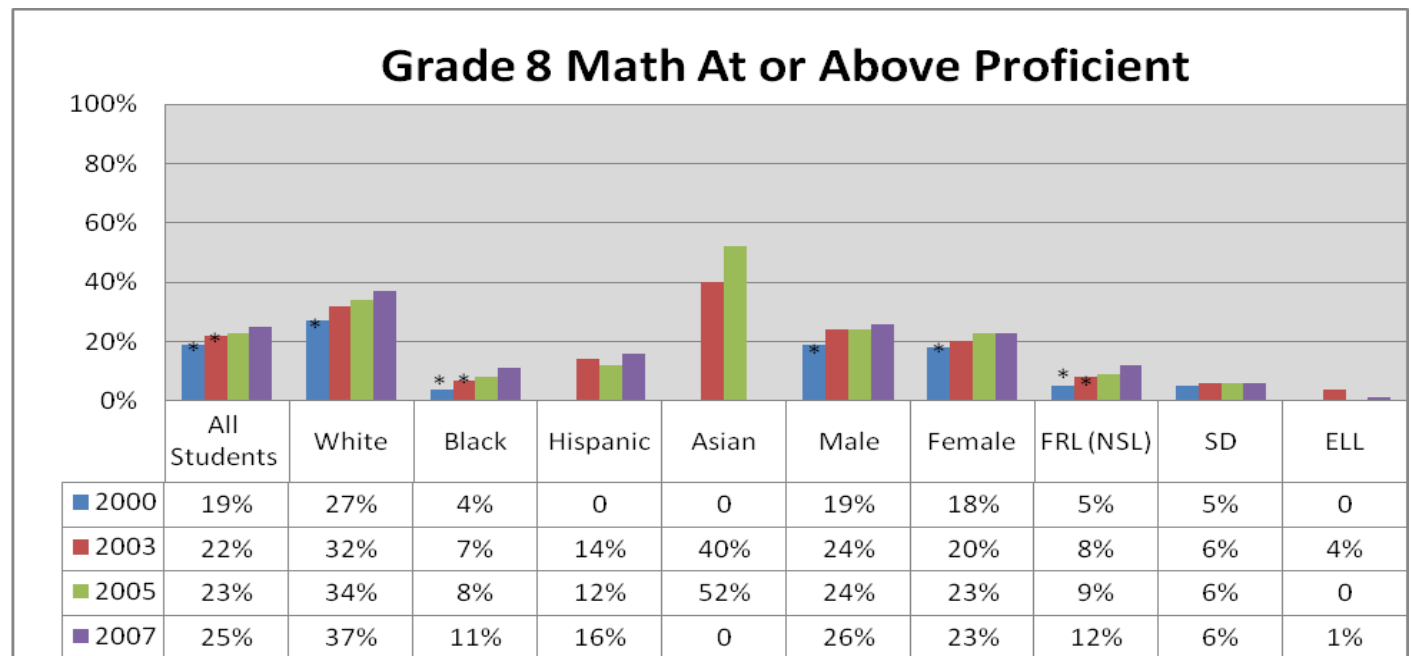
\*Value is significantly different from the 2007 value

Table 6  
 Achievement Level – At or Above Proficient  
 Mathematics 2000-2007  
 Grade 8

Table 6: Achievement Level – At or Above Proficient					
	2000	2003	2005	2007	*Change 2000-2007
All Students	19%	22%	23%	25%	6
White	27%	32%	34%	37%	10
Black	4%	7%	8%	11%	7
Hispanic	NA	14%	12%	16%	2**
Asian	NA	40%	52%	NA	12**
Male	19%	24%	24%	26%	7
Female	18%	20%	23%	23%	5
FRL (NSL)	5%	8%	9%	12%	7
Students with Disabilities	5%	6%	6%	6%	1
English Language Learner	NA	4%	10%	1%	-3**

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Graph 6  
 Achievement Level – At or Above Proficient  
 Mathematics 2000-2007  
 Grade 8



\*Value is significantly different from the 2007 value