

## SAT Score Results Summary Marietta City Schools 2009

The SAT Reasoning Test (formerly known as the SAT I: Reasoning Test) and SAT Subject Tests (optional content-specific test) assess student reasoning based on knowledge and skills developed by the students through their coursework. In other words, it measures how well students analyze and solve problems—skills learned in school that predict success in college. The SAT is typically taken by high school juniors and seniors. Each section of the SAT is scored on a scale of 200—800, with two writing sub-scores for multiple-choice and essay. Prior to the addition of the writing test, a perfect score of 1600 could be achieved on the SAT. However, now the total possible score for the SAT is 2400. The College Board reports scores for the SAT Reasoning Test and the SAT Subject Tests.

Several changes have taken place with this test since 2005. First, the verbal section of the SAT Reasoning Test was renamed Critical Reading in 2006. Next, the SAT Reasoning Test was changed to include a writing section for the first time in the March 2005 administration. Scores for the new writing section are first reported for the class of 2006. The SAT Reasoning Test consists of Critical Reading, Math and Writing.

After reviewing the latest College Board roster, Leigh Colburn reported that there are seventeen errors remaining, which are down from the original fifty-three. Only after involving Leigh Colburn, Lavon Pierce, and finally Dr. Lembeck were any corrections made. The average of four students assigned to MHS, who do not belong to Marietta, is significantly lower than that of MHS students while the average score for thirteen MHS students, who were not included on the report, is higher. All of these errors were reported to the College Board during the school year according to the prescribed guidelines.

In Spring 2009, MHS had 237 students take the SAT Reasoning Test and 11 students take the SAT Subject Tests. This report provides information regarding the results of the **SAT Reasoning Test**, administered in **Spring 2009**. The report is divided into the following parts:

- I. Overall trends 2006-2009
  - a. Number of Test Takers – 4 years
    - i. Key Findings
    - ii. Data Table – Number of student test-takers 2006-2009
  - b. MHS SAT scores as reported by the College Board 2006-2009
    - i. Key Findings - Mean Scores
    - ii. Data table – Mean Score by Subject 2006-2009
    - iii. Chart – MHS Trend Data SAT Scores
- II. Comparison of MHS Mean to the State and National Mean 2009
  - a. Key Findings
  - b. Data Table – MHS, State and National Mean by Subjects tested
  - c. Chart – Comparison of MHS to State and Nation on Mean Scores 2009
  - d. Chart – Comparison of MHS Mean to State and National Mean for Critical Reading
  - e. Chart – Comparison of MHS Mean to State and National Mean for Math
- III. Comparison of Mean Scores by Demographic groups
  - a. Supporting Data Tables
  - b. Supporting Charts

### Definitions

**Mean (average):** the arithmetic average. Average scores are based on the most recent scores earned by students in the previous year's graduating class who took SAT tests anytime during high school.

- The mean SAT scores for MHS used are as reported by the College Board.

**Performance Gap:** the difference in achievement scores between groups of students.

**Total Combined Average:** sum of average mean scores.

## I. Overall Trends 2006-2009 - Number of SAT Test Takers

### Key Findings

- The number of MHS students taking the SAT Reasoning Test decreased (-23) since last year.

Table 1: Marietta High School Trend Data for Number of Students taking SAT

Year	2006	2007	2008	2009
Number of Students	272	255	260	237

## MHS SAT scores as reported by the College Board 2006-2009

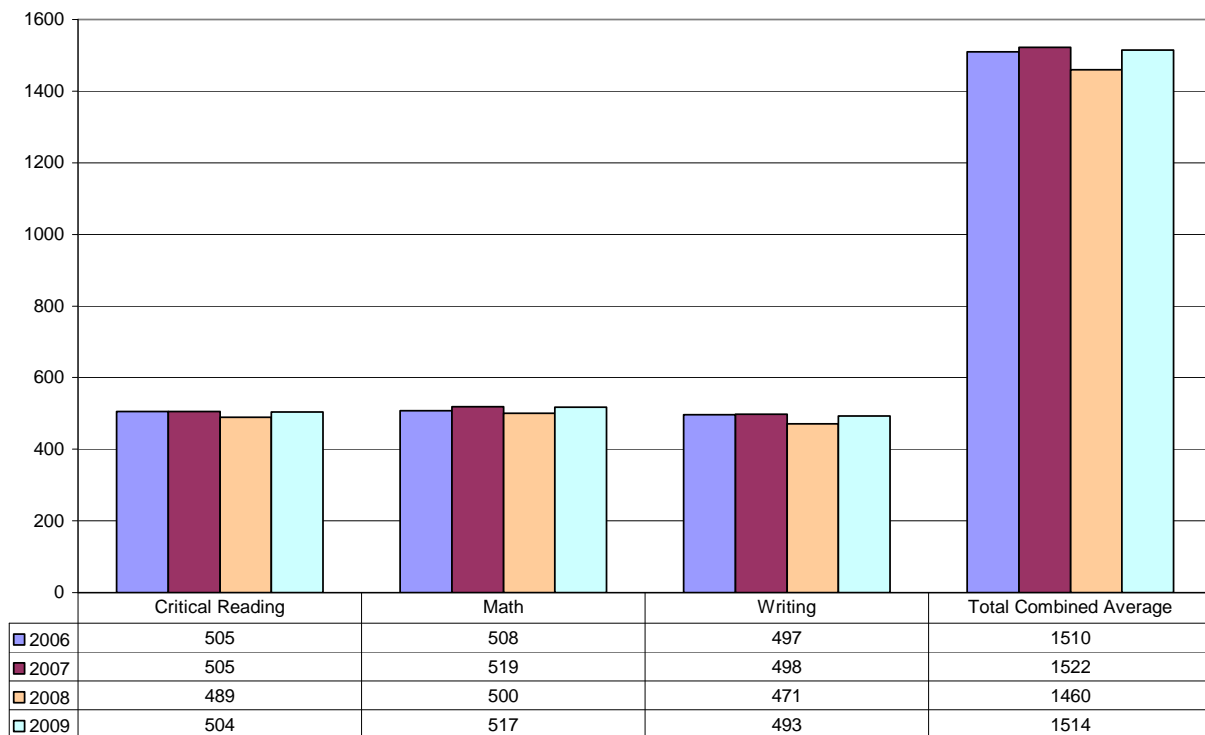
### Key Findings

- When compared to 2008, MHS scores increased in Critical Reading (15), Math (17), and Writing (22).

Table 2: Marietta High School Trend Data for Mean Scores

	2006	2007	2008	2009
Critical Reading	505	505	489	504
Math	508	519	500	517
Writing	497	498	471	493
Total Combined Average	1510	1522	1460	1514
Change	NA	12	-62	54

MHS Trend Data SAT Mean Scores 2009



## II. Comparison of MHS Mean to the State and National Mean

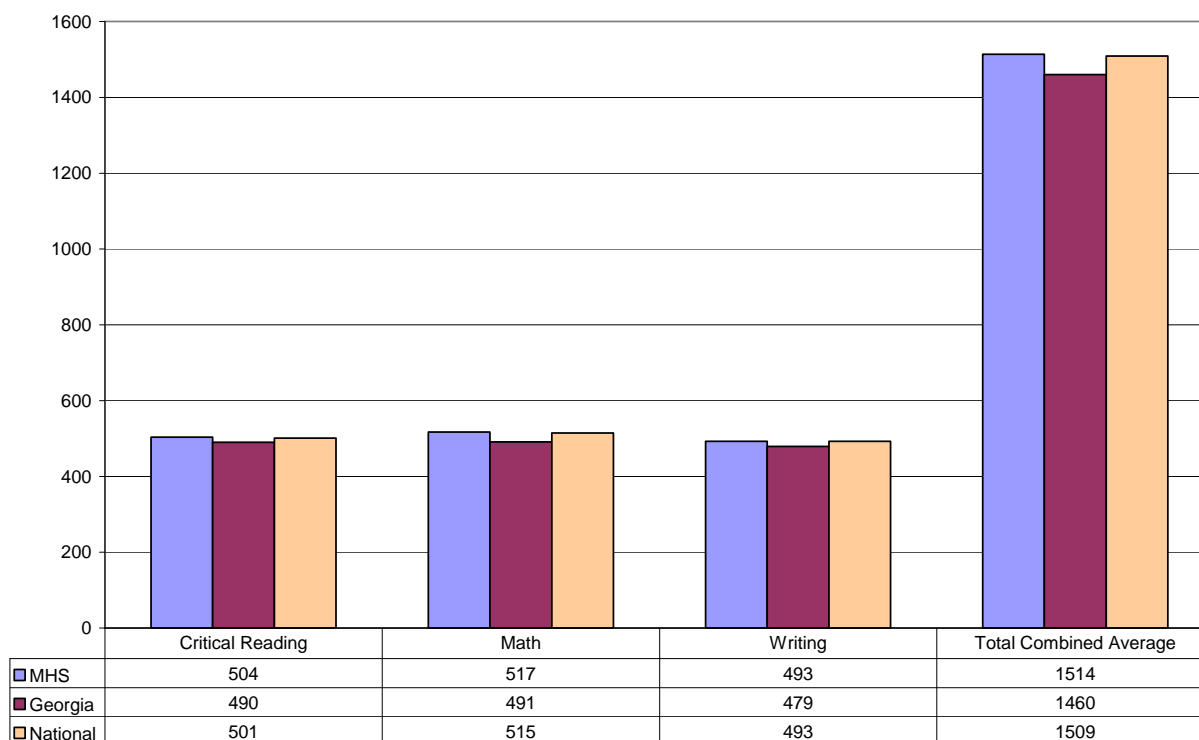
### Key Findings

- In 2009, SAT scores showed that MHS exceeded the state in Critical reading (14), Math (26), Writing (14), and Total Combined Average (54).
- In 2009, SAT scores showed that MHS exceeded the nation in Critical reading (3), Math (2), and Total Combined Average (5).

Table 3: 2009 Comparison of MHS, State, and National Mean Scores

	MHS	Georgia	National
Critical Reading	504	490	501
Math	517	491	515
Writing	493	479	493
Total Combined Average	1514	1460	1509

Comparison of MHS, State, and National SAT Mean Scores 2009



### III. Comparison of Mean Scores by Demographic Groups

#### Key Findings (Gender)

- In 2009 Male students from MHS scored higher than their male counterparts at the
  - State on Critical Reading (20), Math (37), and Writing (22).
  - Nation on Critical Reading (10), Math (12), and Writing (8)
- In 2009 Male students from MHS scored higher than their female counterparts on Critical Reading (15), Math (49), and Writing (2).
- In 2009 Female students from MHS scored higher than their female counterparts at the
  - State on Critical Reading (10), Math (21), and Writing (7).

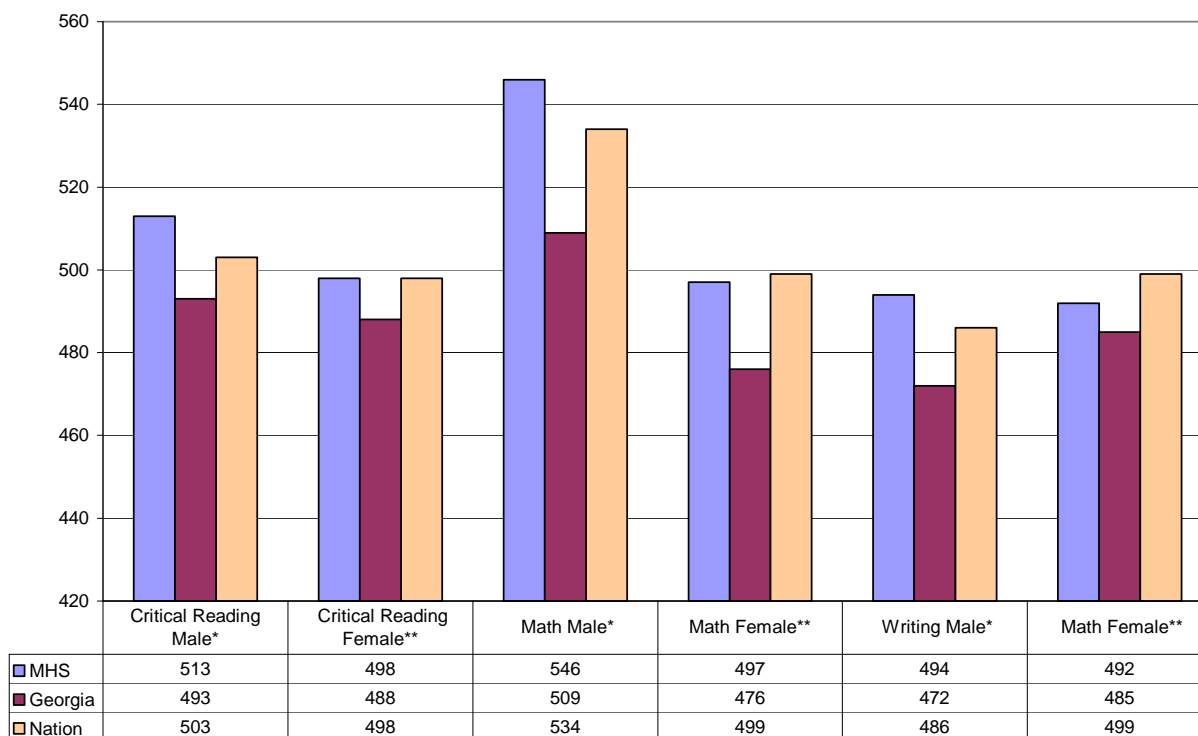
Table 4: 2009 Comparison of MHS, State, and National Mean Scores by Gender

	MHS	Georgia	Nation
Critical Reading Male*	513	493	503
Critical Reading Female**	498	488	498
Math Male*	546	509	534
Math Female**	497	476	499
Writing Male*	494	472	486
Writing Female**	492	485	499

\*MHS Male: N= 100

\*\*MHS Female: N= 137

#### Comparison of Male/Female SAT Mean Scores 2009



### Key Findings (Race/Ethnicity)

- In 2009, 95 Black and 99 White students participated in the SAT test. The number of Black test takers decreased by 6 while White test takers increased by 1. The decrease in participants may be in part due to the increase in students taking the ACT in 2008-2009. (Typically, American colleges used the SAT, rather than the ACT, as the standard-bearer in college admissions. However, an increasing number of colleges have recently begun to accept ACT scores from applicants, either in addition to SAT scores or in lieu of them.)
- As is consistent with the state and national trends, at MHS White students outperformed Black students on the Critical Reading, Math, and Writing tests.

Table 5: Trend Data for MHS

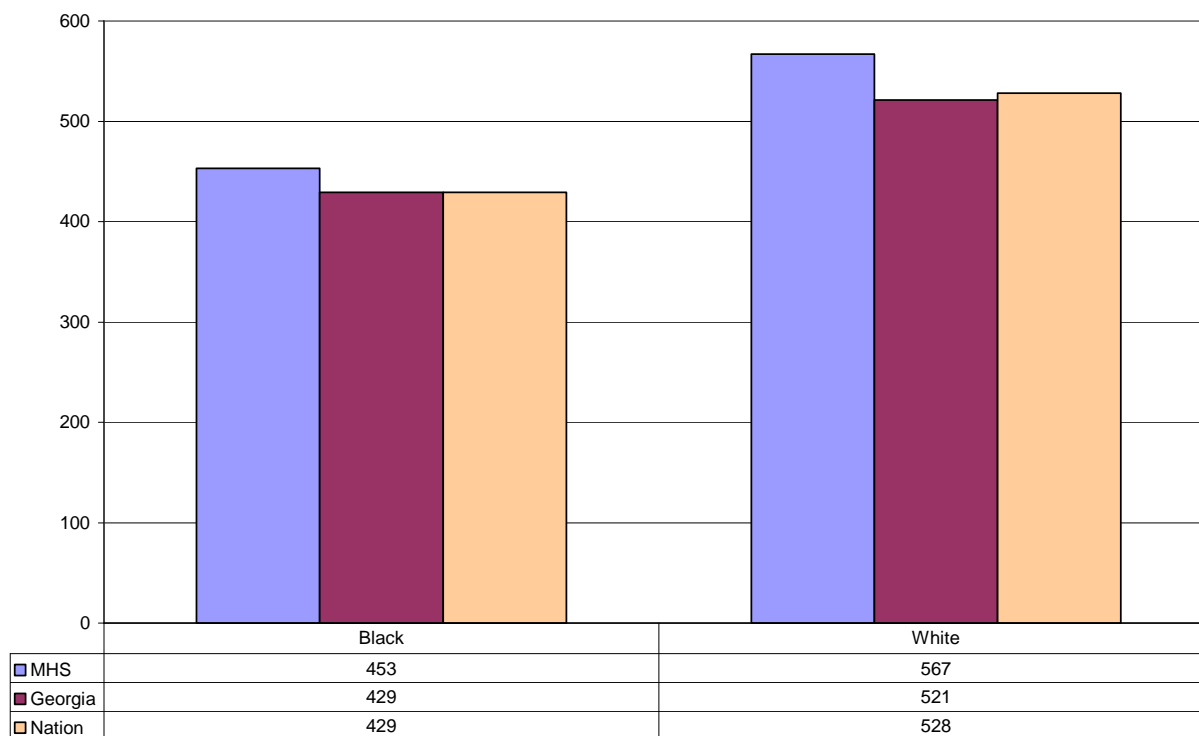
Year	2006		2007		2008		2009	
Student test-takers	Black	White	Black	White	Black	White	Black	White
Number of test takers	84	137	91	130	101	98	95	99
<b>Critical Reading</b>	459	536	471	535	450	536	453	567
<i>Performance Gap</i>	77		64		86		114	
<b>Math</b>	449	546	479	548	462	540	459	583
<i>Performance Gap</i>	97		69		78		124	
<b>Writing</b>	445	528	455	531	430	511	443	548
<i>Performance Gap</i>	83		76		81		105	
<b>Total Combined Average</b>	1353	1610	1405	1614	1342	1587	1355	1698
<i>Performance Gap</i>	257		209		245		343	

- Black students at MHS scored above students in their respective demographic groups at the state and national levels on the Critical Reading, Math, and Writing tests.
- White students at MHS scored above students in their respective demographic groups at the state and national levels on the Critical Reading, Math, and Writing tests.
- Scores for students considered from Latin American descent are reported by the College Board in the following groupings: Mexican or Mexican American, Puerto Rican, or Other Hispanic, Latino, or Latin American. Due the small number of participants in each group, scores are either not reported by the College Board or not presented in this report in order to maintain student confidentiality and true statistical correlations.

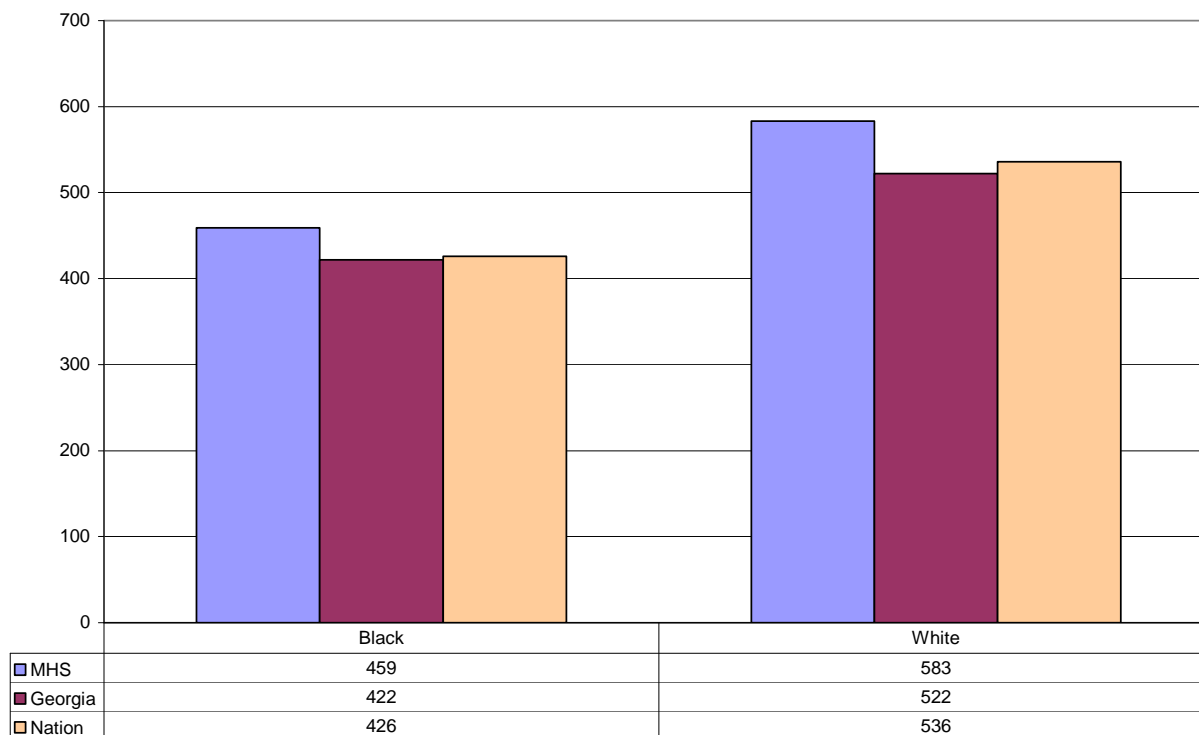
Table 6: 2009 Comparison of MHS, State, and National Mean Scores by Ethnicity

<b>Critical Reading</b>	<b>MHS</b>	Georgia	Nation
Black	453	429	429
White	567	521	528
<b>Math</b>	<b>MHS</b>	Georgia	Nation
Black	459	422	426
White	583	522	536
<b>Writing</b>	<b>MHS</b>	Georgia	Nation
Black	443	421	421
White	548	508	517

**Comparison of MHS Critical Reading Mean Scores for Black and White Students**



**Comparison of MHS Math Mean Scores for Black and White Students**



**Comparison of MHS Writing Mean Scores for Black and White Students**

