

# **SAT Reasoning Test Components**

**(Total time required: 3 hours, 45 minutes)**

# What's New about the New SAT Reasoning Test

- The Verbal section is now called **Critical Reading**
  - Includes more shorter reading passages
  - Analogies have been eliminated
- A **Writing** section has been created
  - Students must write an essay that is scored on a 1-6 point basis by two readers
- **Math** section includes Algebra II
  - Students must produce their own answers

# ***I. Critical Reading***

***(3 sections: 1 hour, 10 minutes)***

**Consists of**

**1. Sentence Completions (19 questions)**

**Measure:**

- ✓ Knowledge of the meaning of words**
- ✓ Ability to understand how the different parts of a sentence fit together logically**

# *Critical Reading, cont.*

## 2. Passage-based Readings (48 questions)

- ❖ Kinds of questions asked: vocabulary in context, literal comprehension, and extended reasoning

### Measure:

- ✓ Ability to read and think carefully about several different passages ranging in length from 100-850 words

## ***II. Mathematics***

***(4 sections; 1 hour, 35 minutes)***

**Consists of**

- 1. Standard Multiple-Choice (44 questions)**
- 2. Student Produced Responses (10 questions)  
(25 minutes)**

**Both measure knowledge of**

- ✓ Number and Operations**
- ✓ Algebra and Functions**
- ✓ Geometry and Measurement**
- ✓ Data Analysis, Statistics, and Probability**

# ***III. Writing***

***(55 minutes)***

**Consists of**

**1. Multiple-Choice (2 sections: 35 minutes)**

**Consists of**

**A. Improving Sentences (25 questions)**

**Measures ability to:**

- ✓ Recognize and correct faults in grammar and sentence structure**
- ✓ Recognize effective sentences that follow the conventions of standard written English**

# *Writing, cont.*

## **B. Identifying sentence errors (18 questions)**

**Measures ability to:**

- ✓ **Recognize faults in grammar and usage**
- ✓ **Recognize effective sentences that follow the conventions of standard written English**

# *Writing, cont.*

## C. Improving paragraphs (6 questions)

Measures ability to:

- ✓ Edit and revise sentences in the context of a paragraph or entire essay
- ✓ Organize and develop paragraphs in a coherent and logical manner
- ✓ Apply the conventions of standard written English

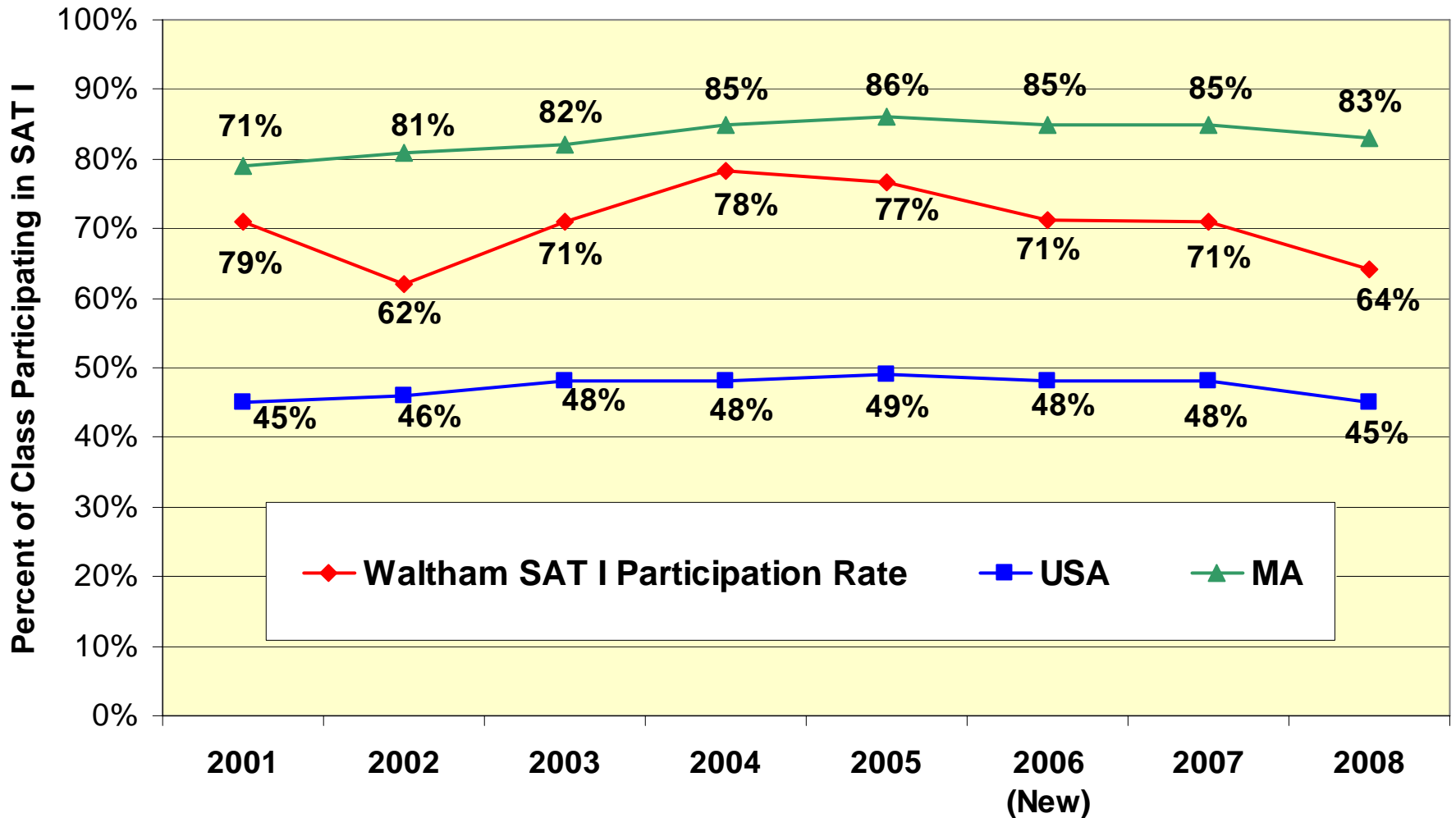
# *Writing, cont.*

## 2. Essay (25 minutes)

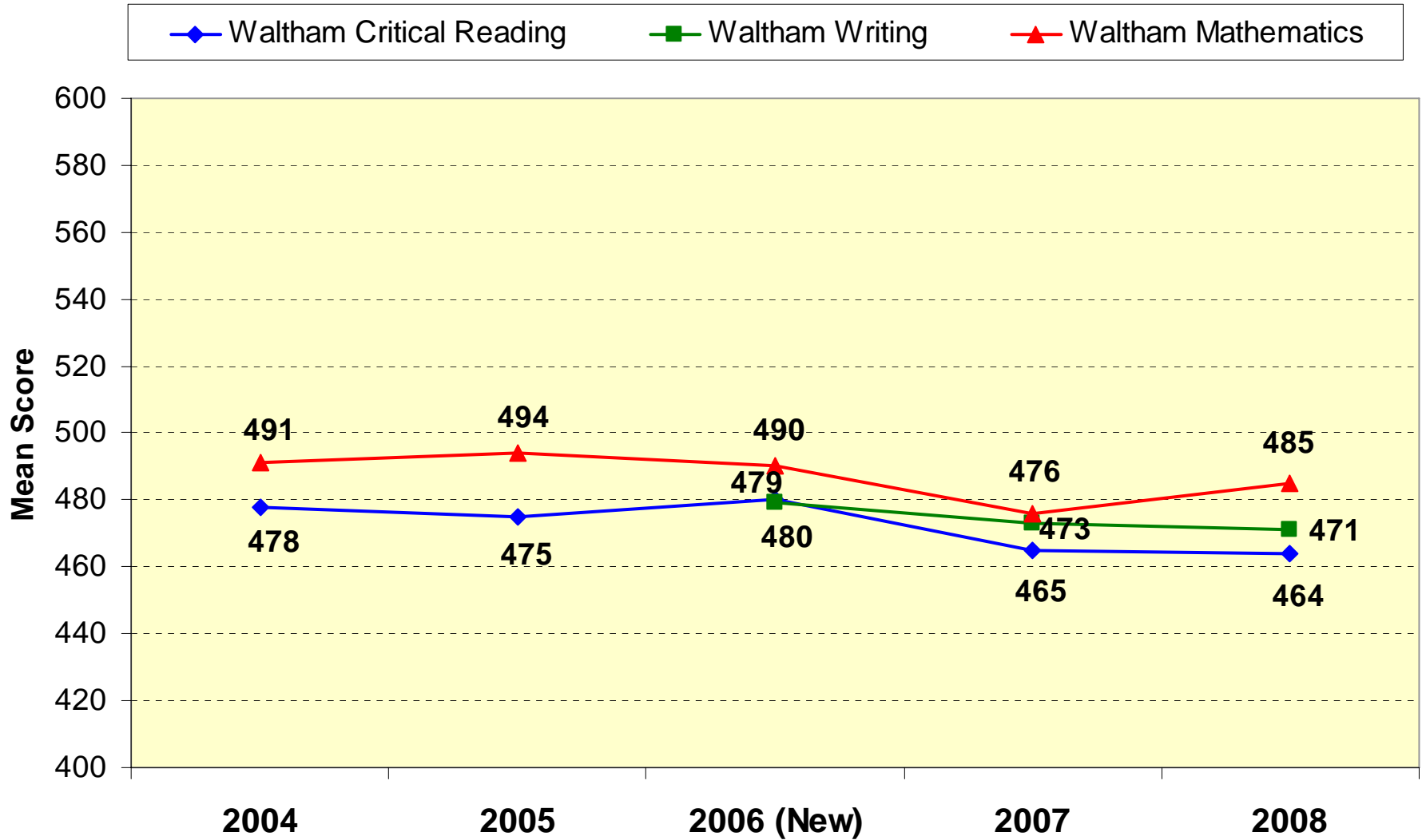
Measures ability to:

- ✓ Develop a point of view on an issue presented in an excerpt
- ✓ Support your point of view using reasoning and examples from your reading, studies, experience, or observations
- ✓ Follow the conventions of standard written English

# SAT Reasoning Test Participation Rates

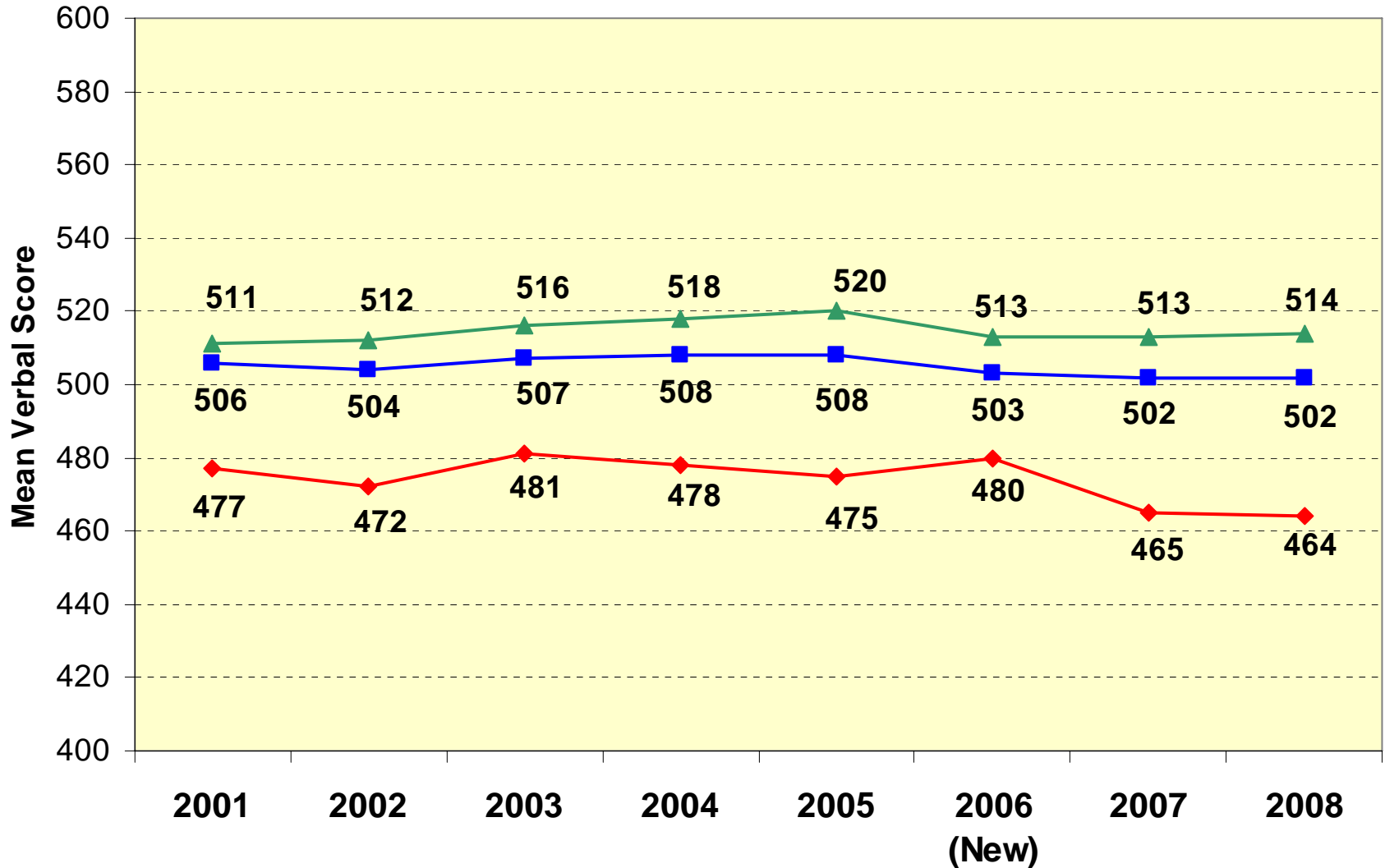


# Waltham SAT I Reasoning Tests 2004-2008

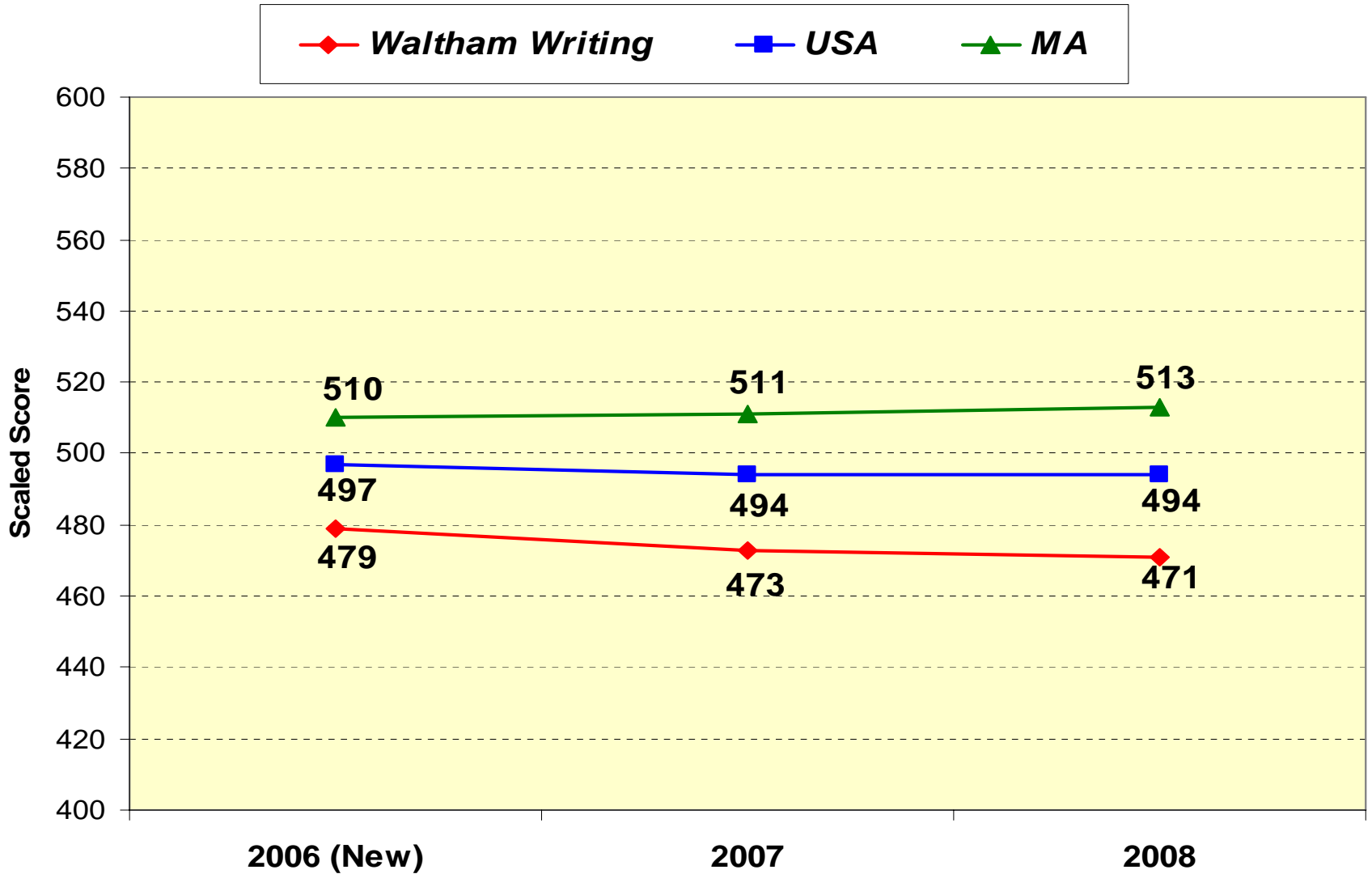


# Mean SAT Critical Reading Scores

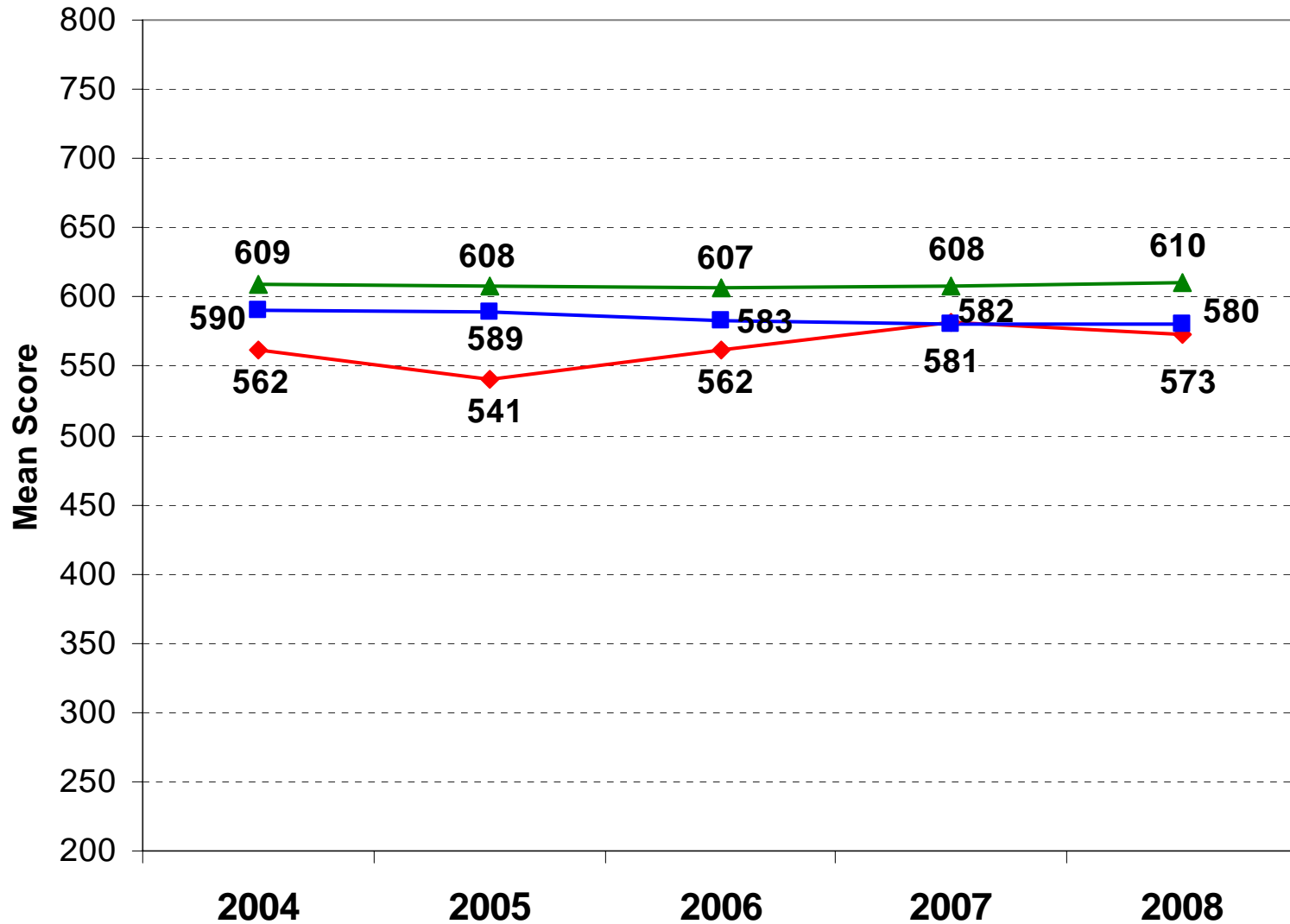
(8 year Waltham Average: 474)



# Mean SAT Writing Test Scores

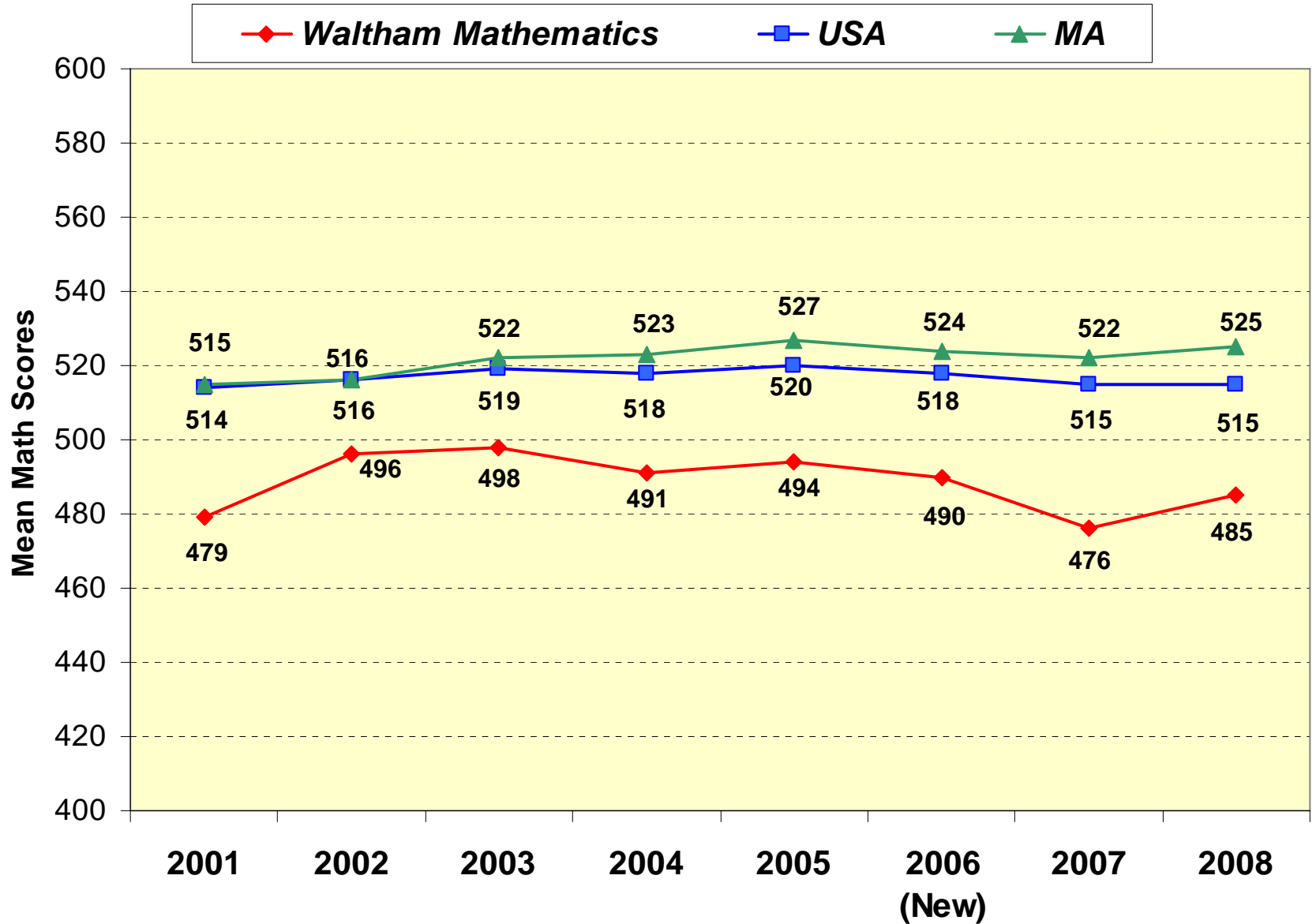


# Mean SAT II Literature Scores



# Mean SAT Mathematics Scores

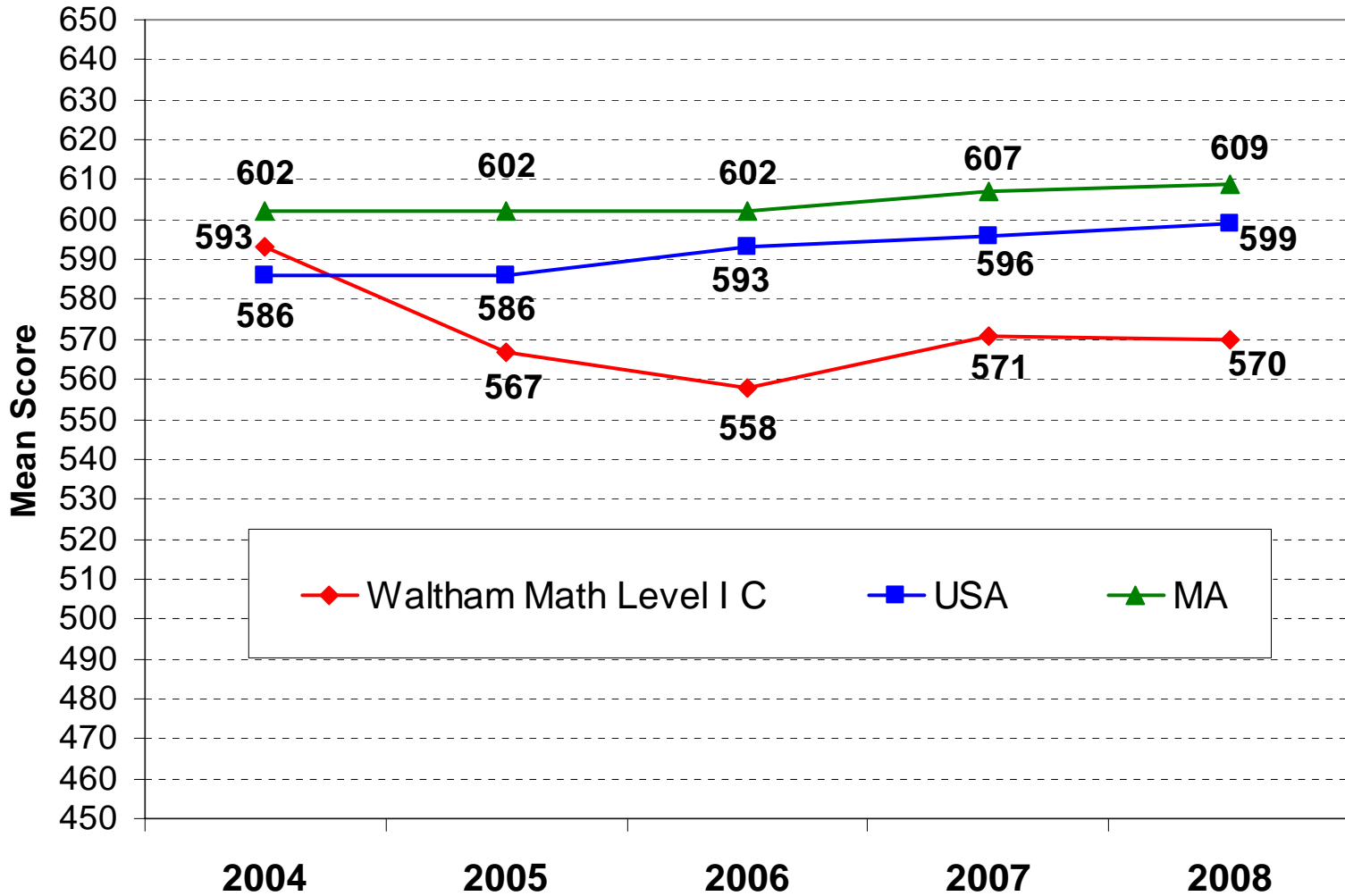
(8 Year Waltham Average: 489)



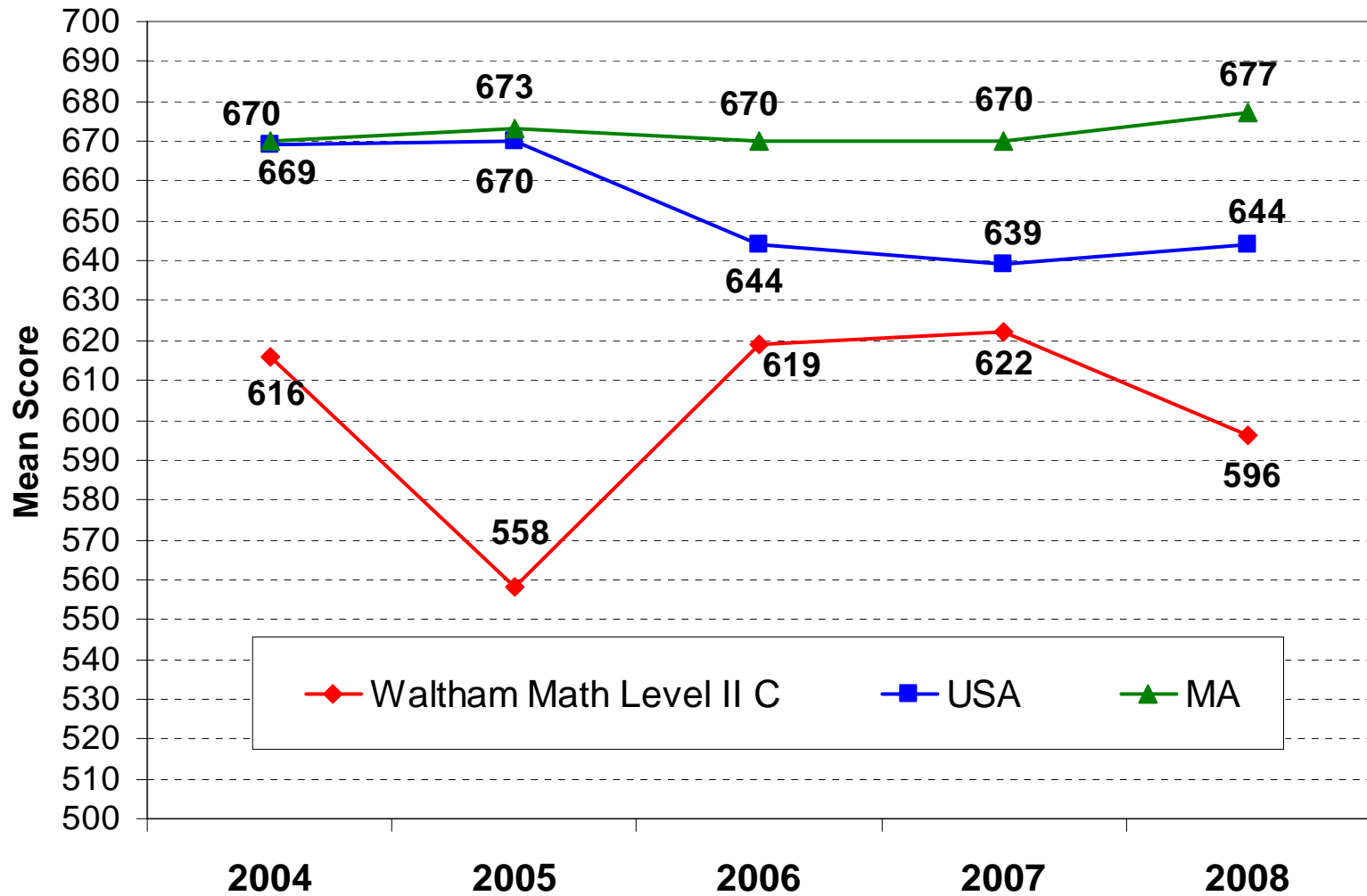
# SAT II Math Level 1 and Level 2

- **Level 1** is a broad survey test for students who have taken 3 years of college prep mathematics: two years of algebra and one year of geometry.
- **Level 2** is a broad survey test for students who have taken more than 3 years of college prep mathematics: two years of algebra and one year of geometry, and precalculus and/or trigonometry.

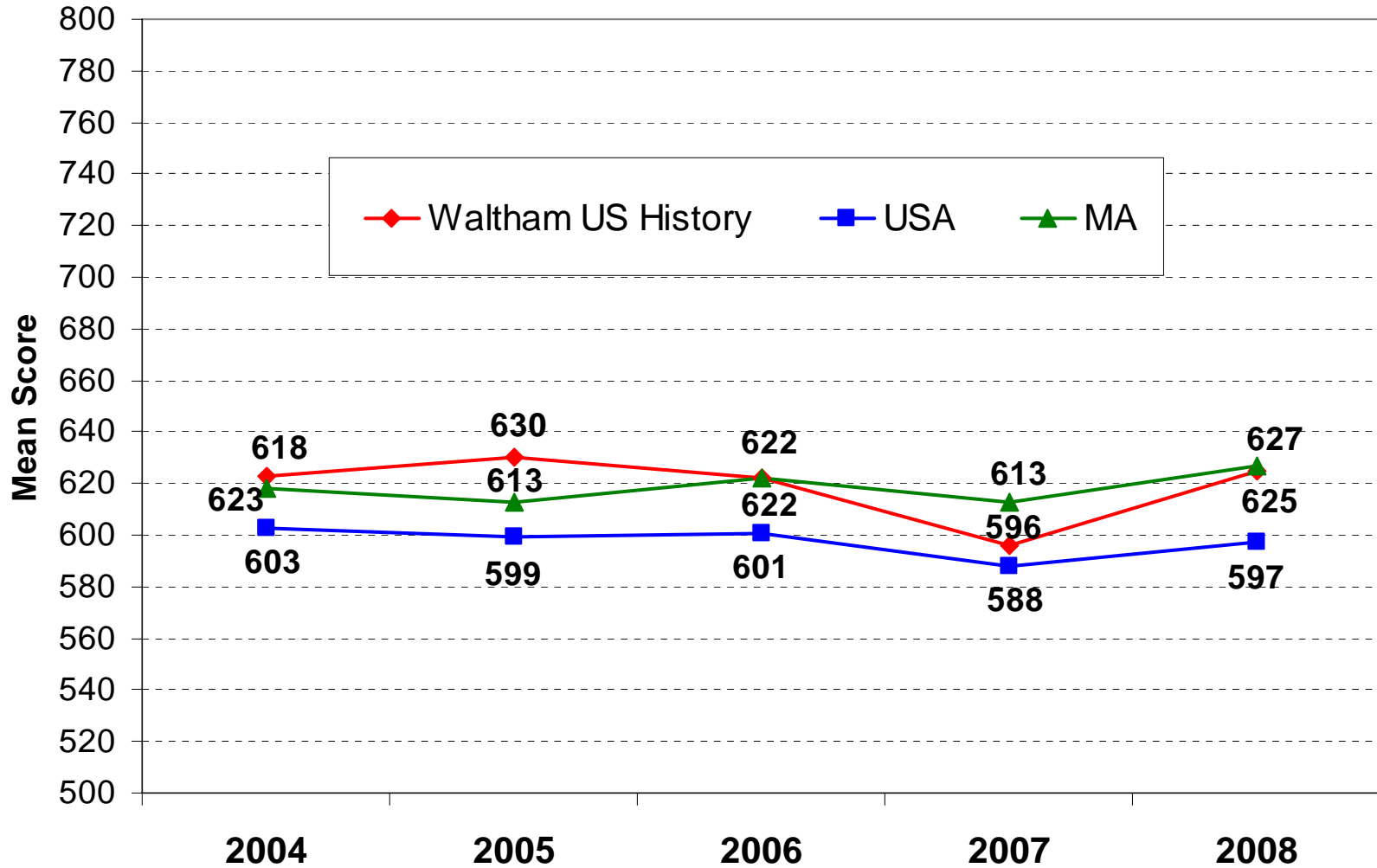
# SAT II Math Level I C Scores



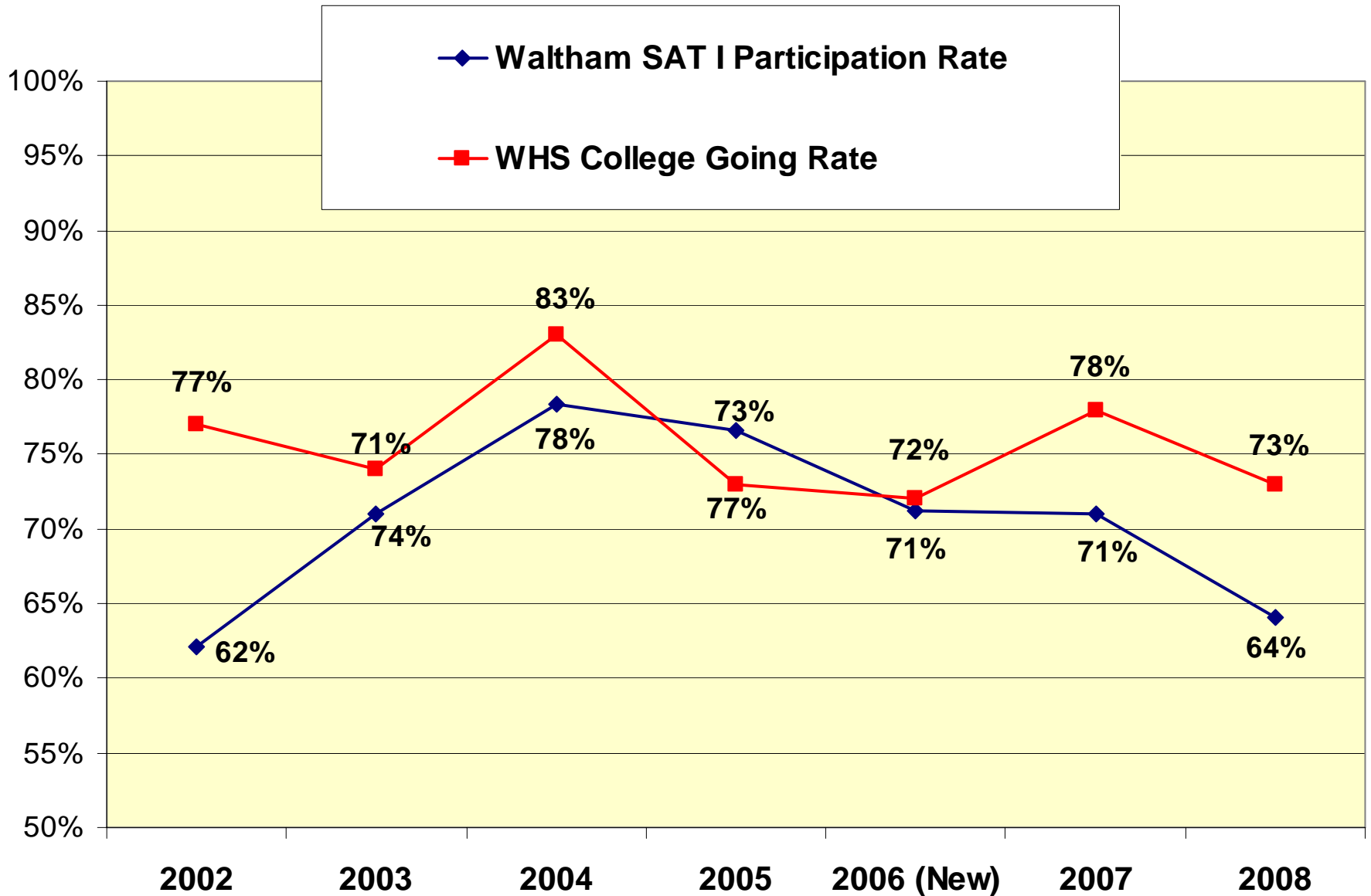
# SAT II Math Level II C Scores



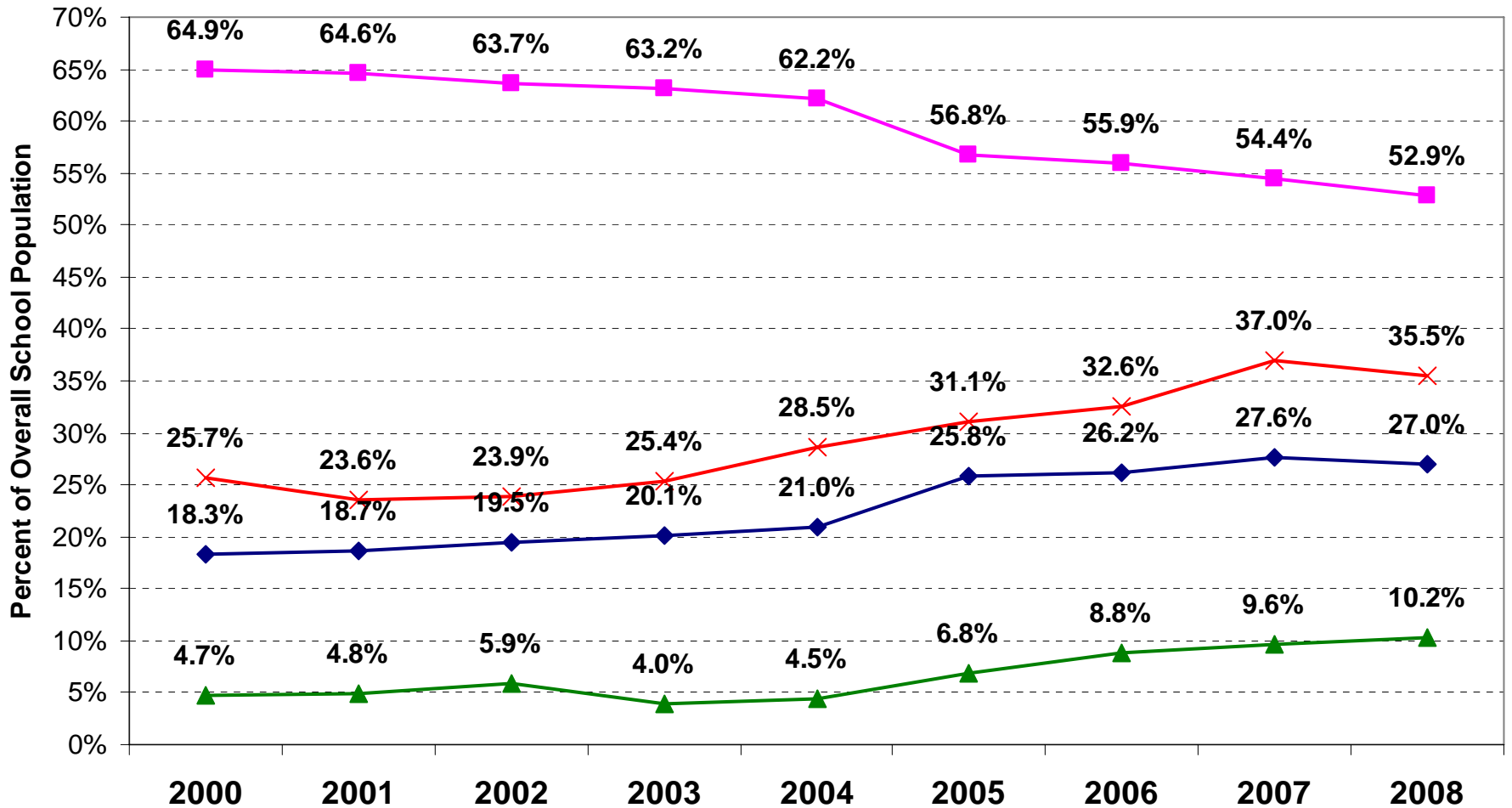
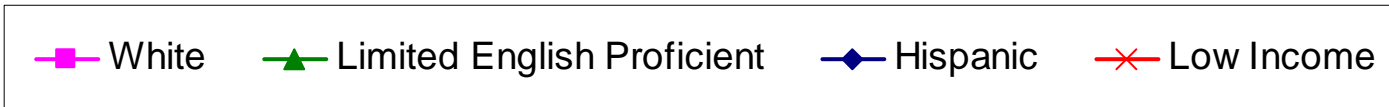
# Mean SAT II US History Scores



# SAT Participation vs. College Going Rates

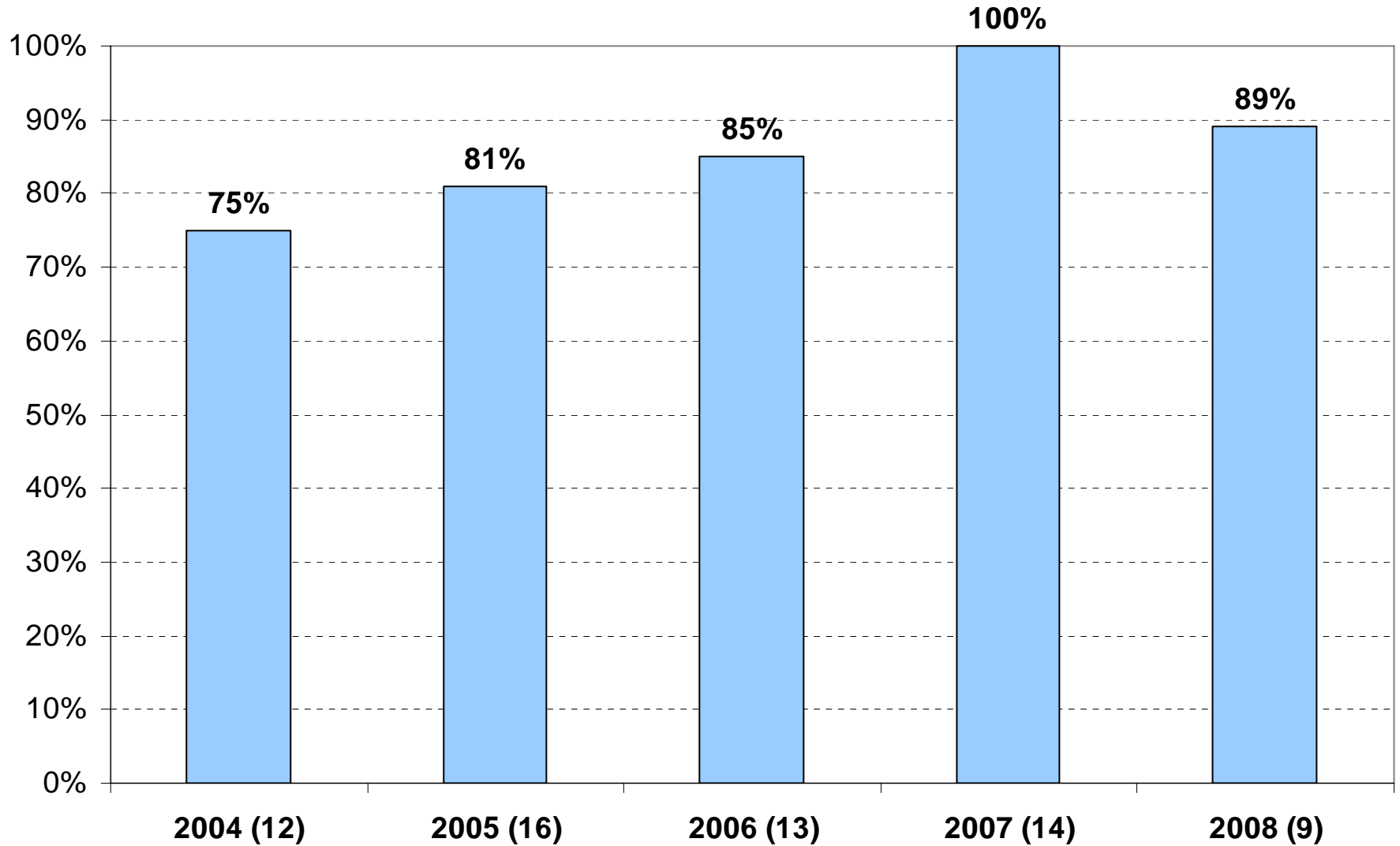


# Waltham Public Schools' Demographic Trends

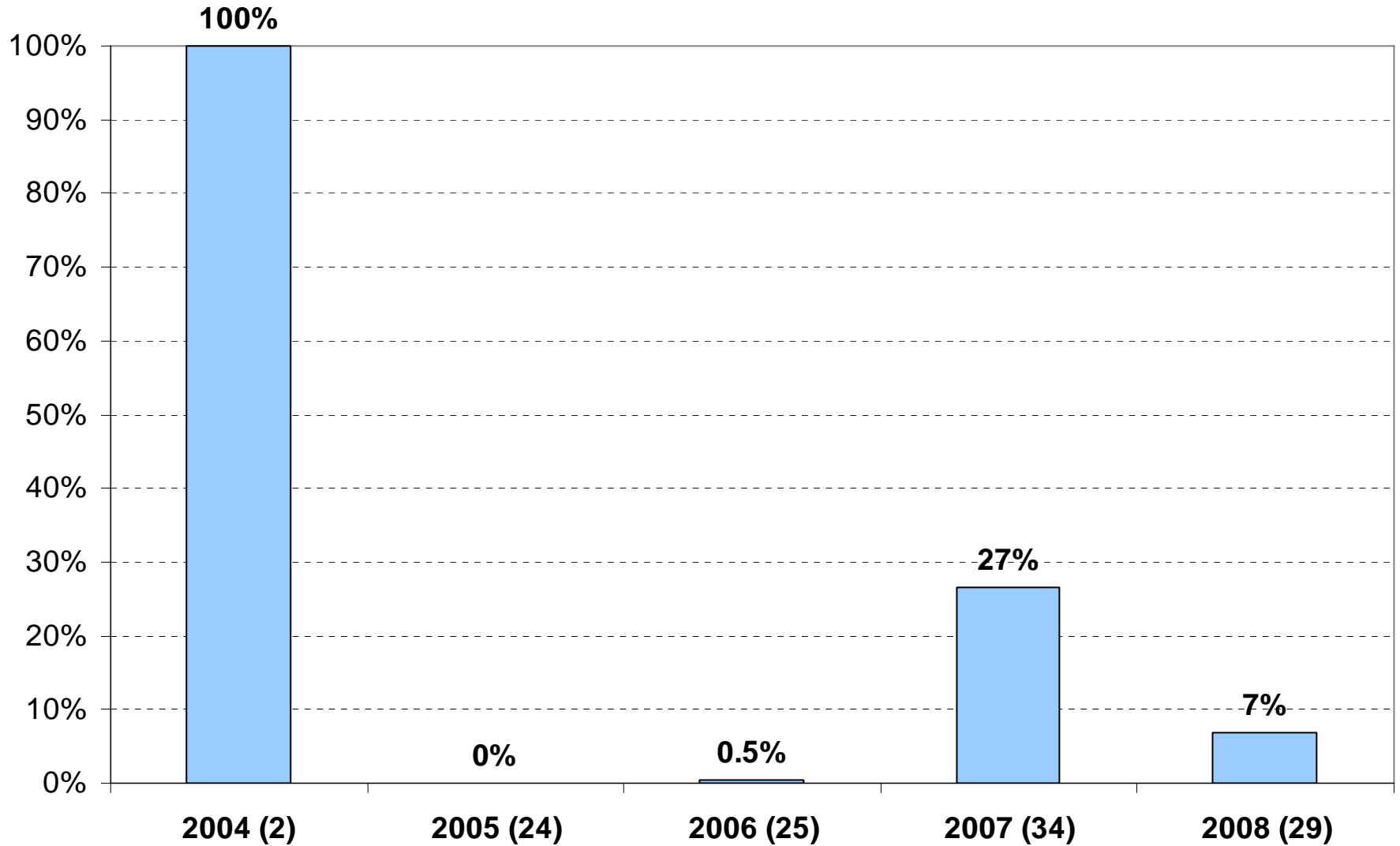


# AP Results

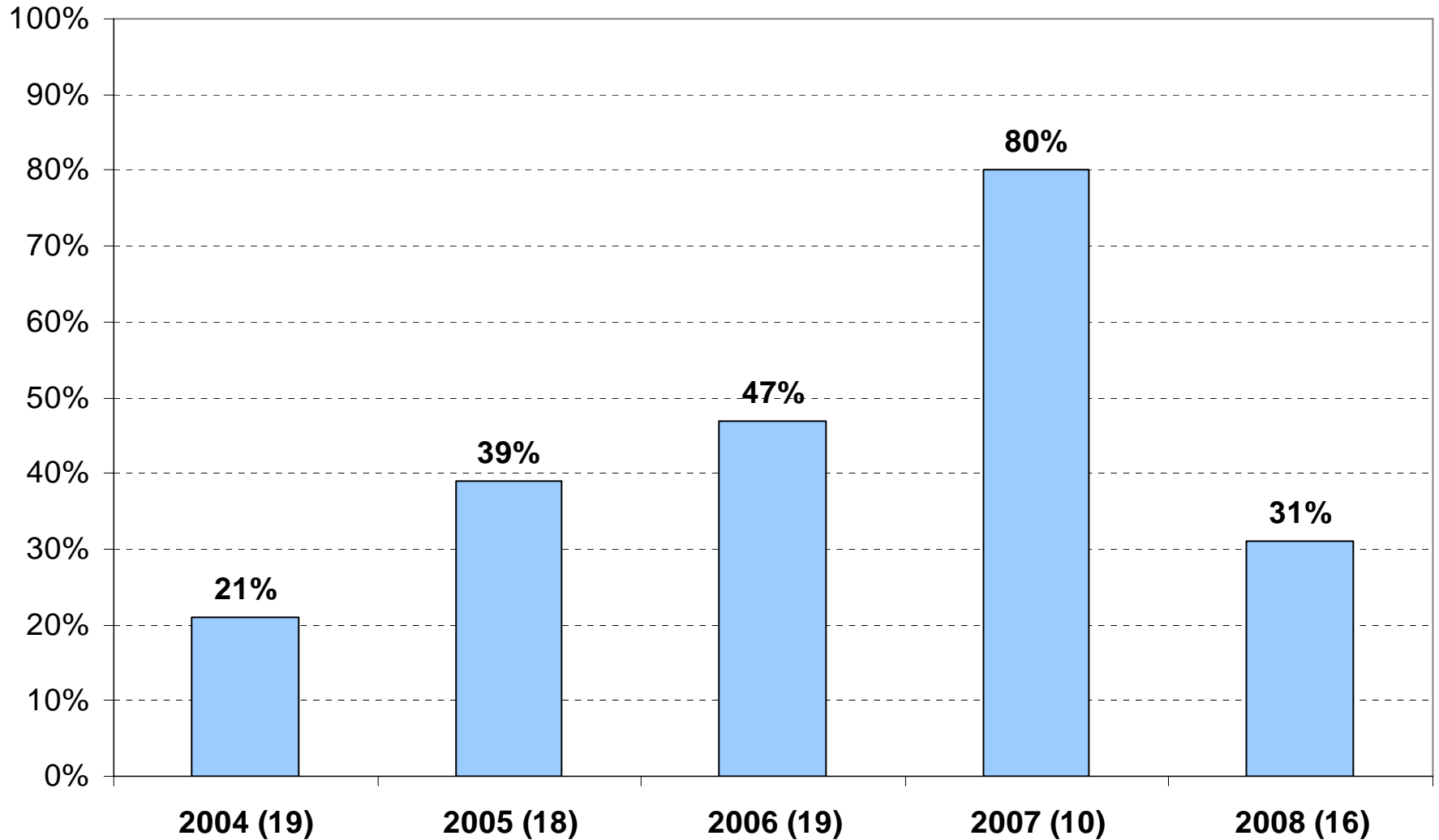
# AP English Lit/Comp (12th grade) Percent of Students Scoring 3 or Better



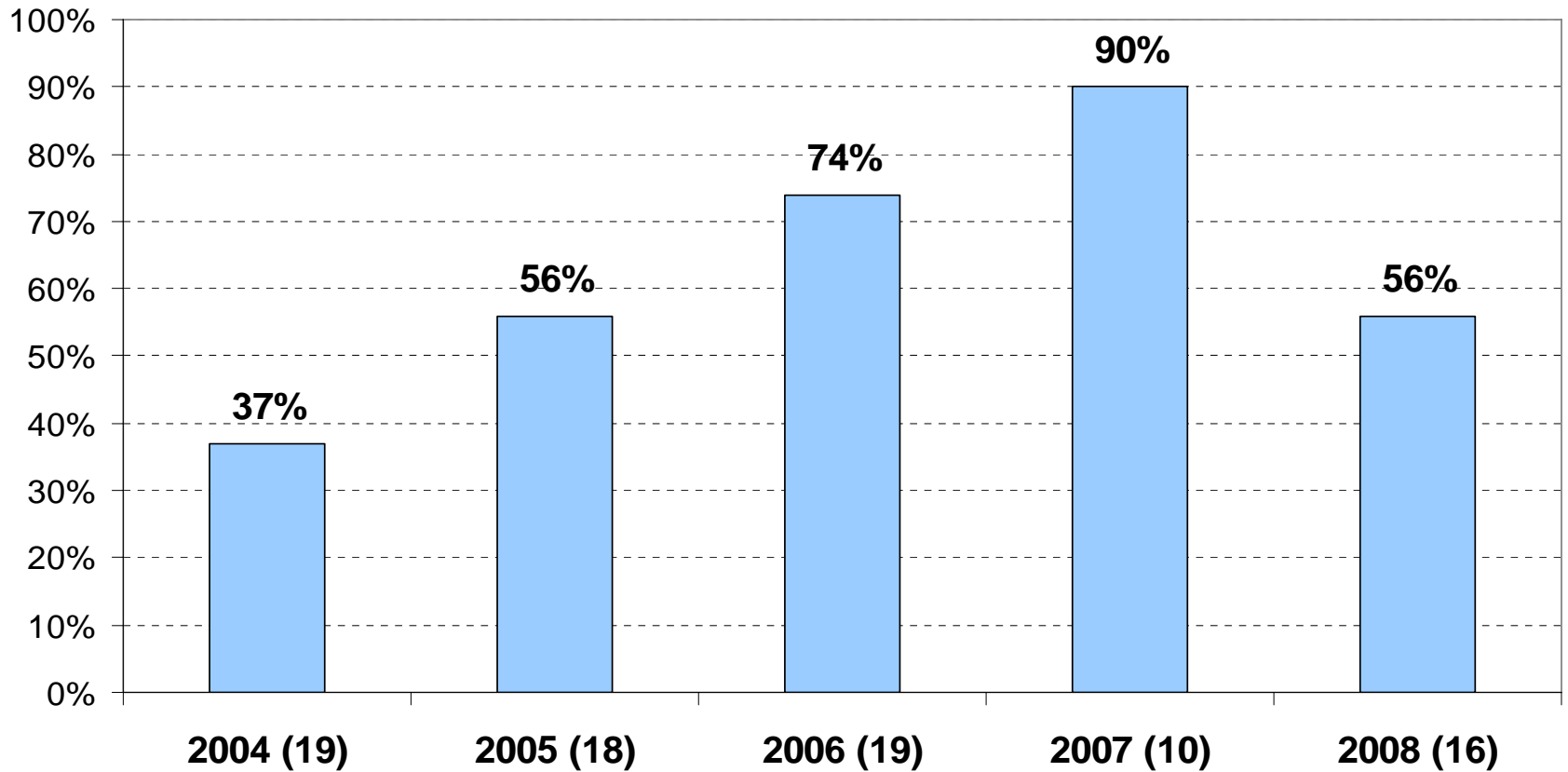
# AP Calculus AB (12th grade) Percent of Students Scoring 3 or Better



# AP Calculus BC (12th grade) Percent of Students Scoring 3 or Better

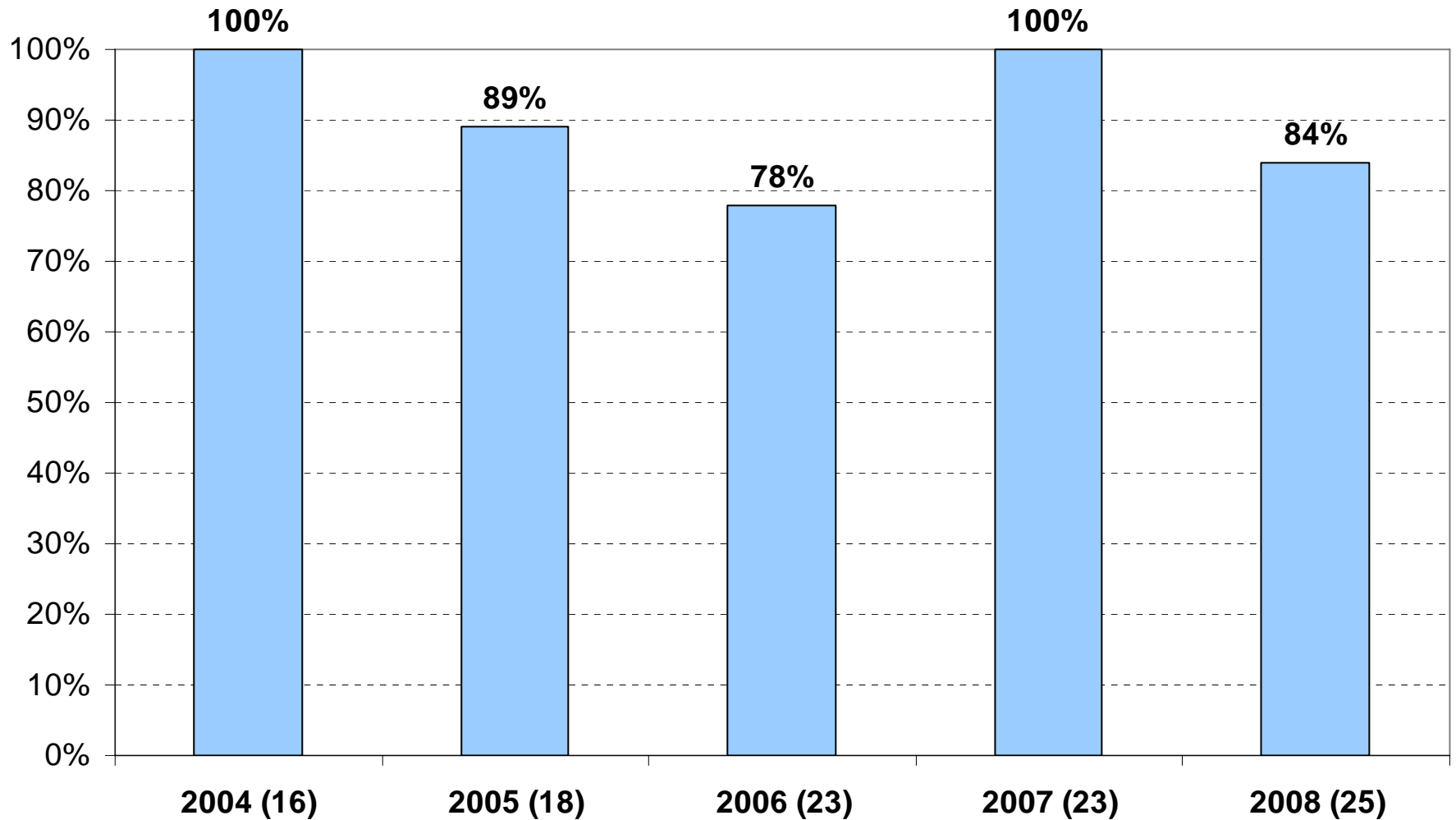


**AP Calculus AB Subgrade (12th grade)  
Percent of BC Students Scoring 3 or Better  
if they took the AB test**

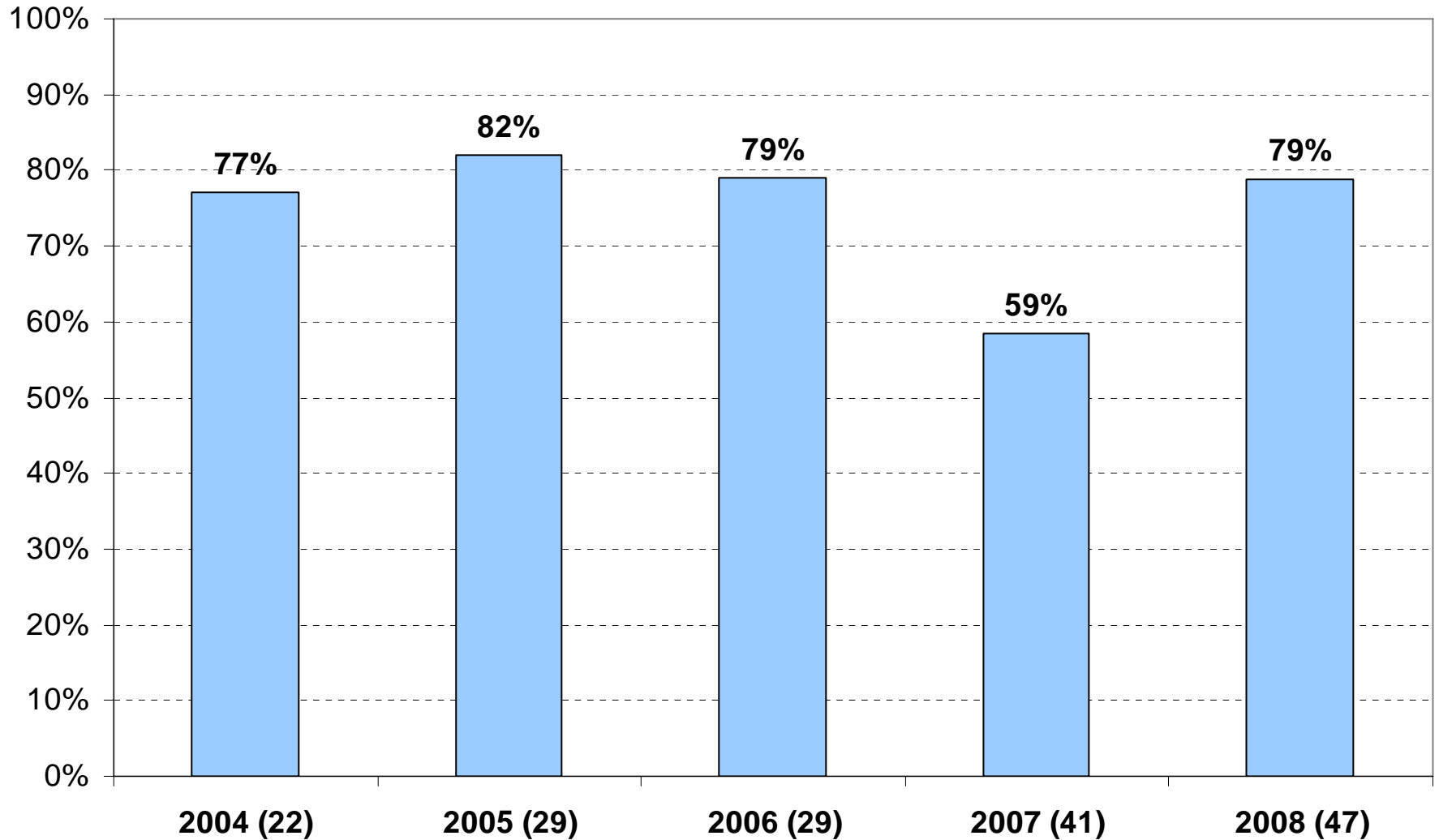


# AP US History (11th grade)

## Percent of Students Scoring 3 or Better

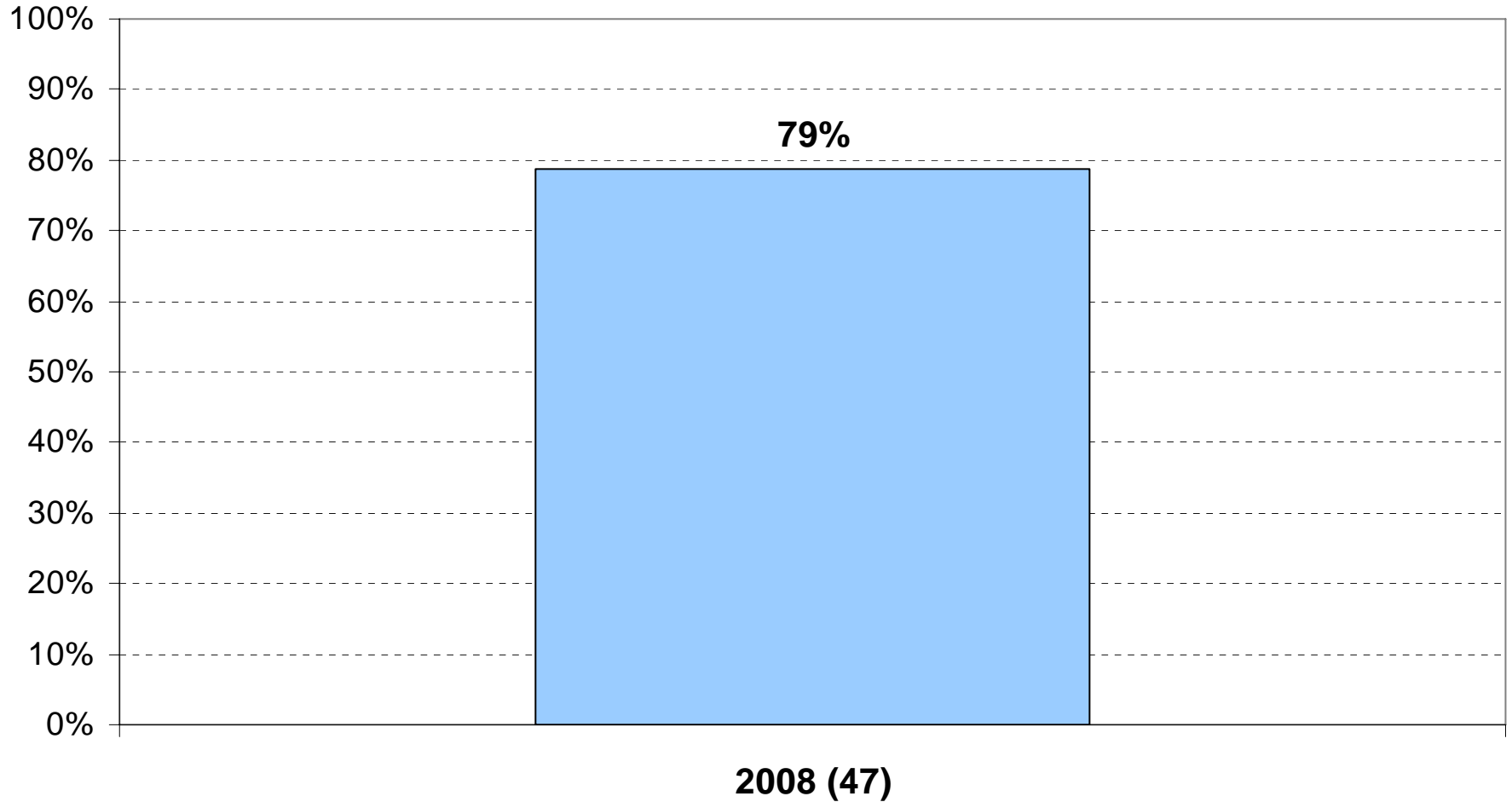


# AP Micro Economics (11th and 12th grade) Percent of Students Scoring 3 or Better

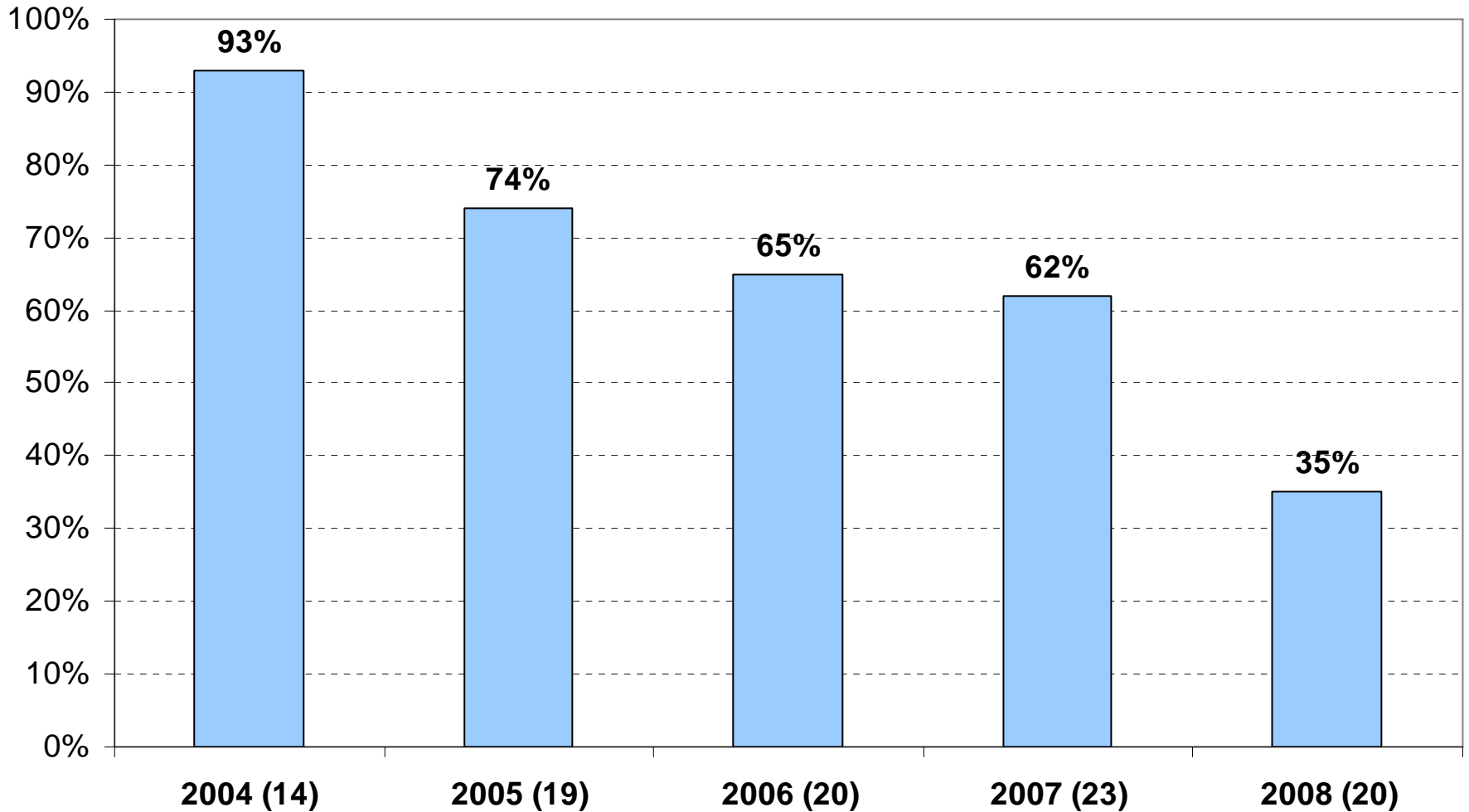


# AP Macro Economics (12th grade)

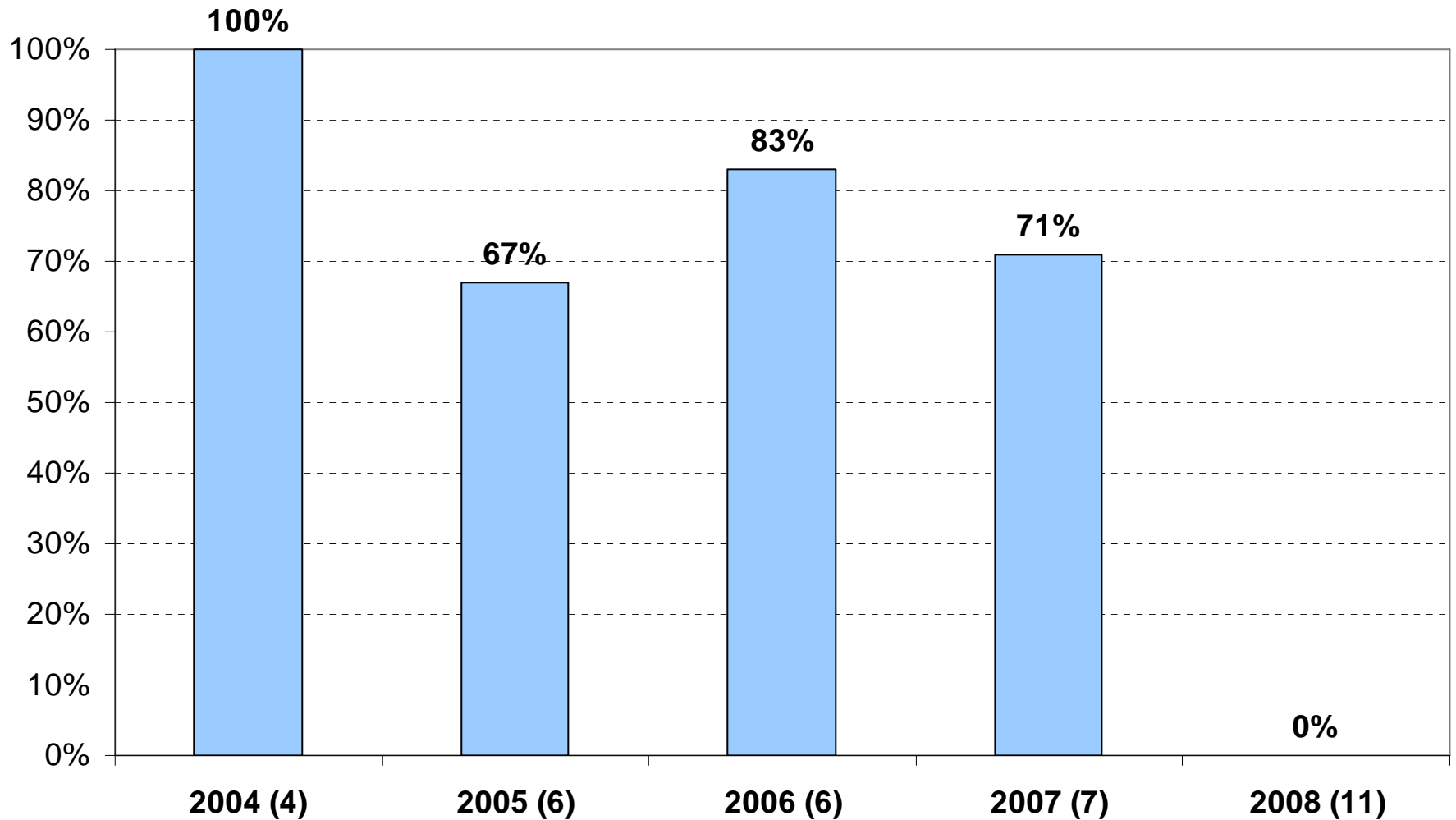
## Percent of Students Scoring % 3 or Better



# AP Biology (11th and 12th grade) Percent of Students Scoring 3 or Better

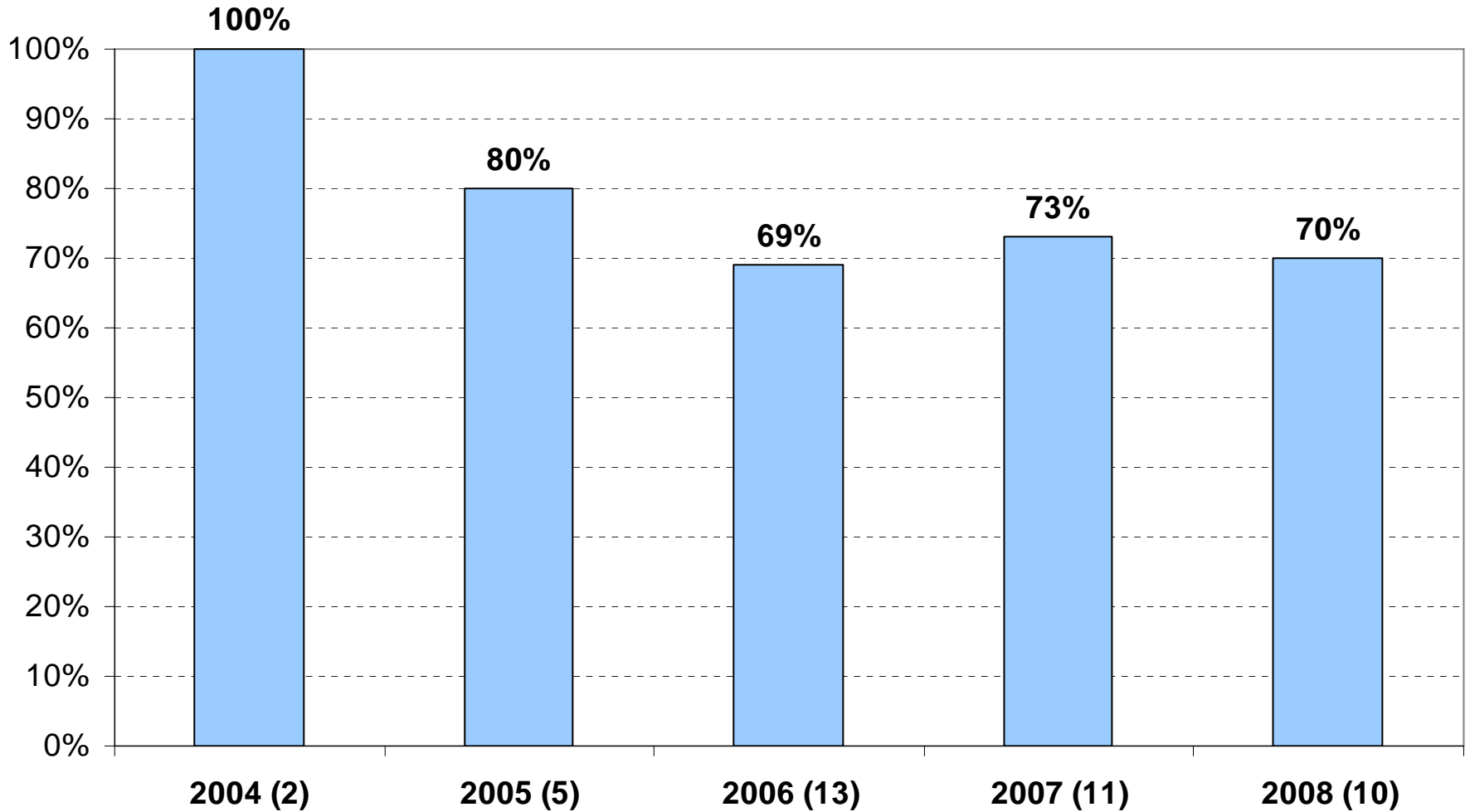


# AP Chemistry (12th and 11th grade) Percent of Students Scoring 3 or Better

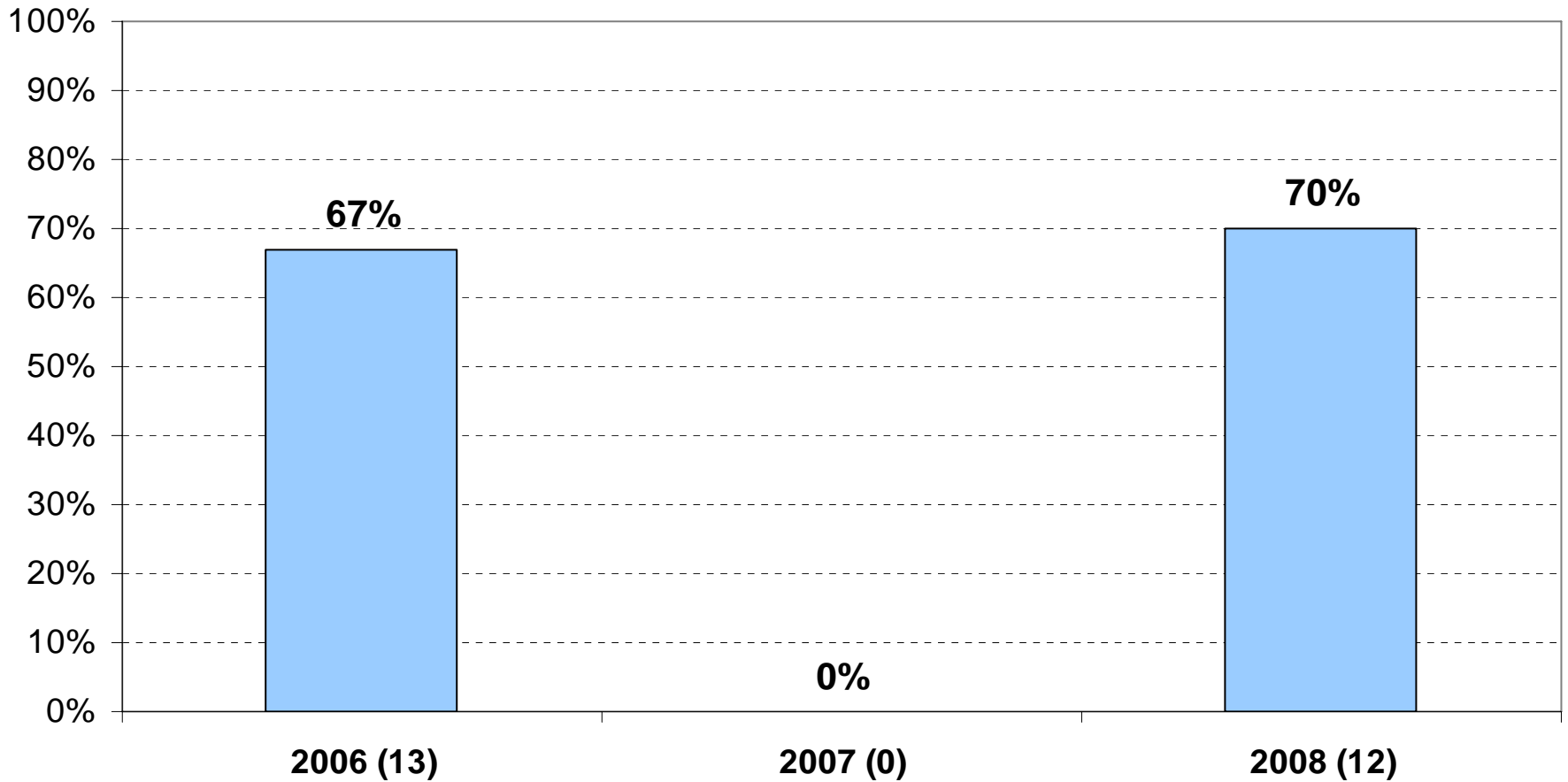


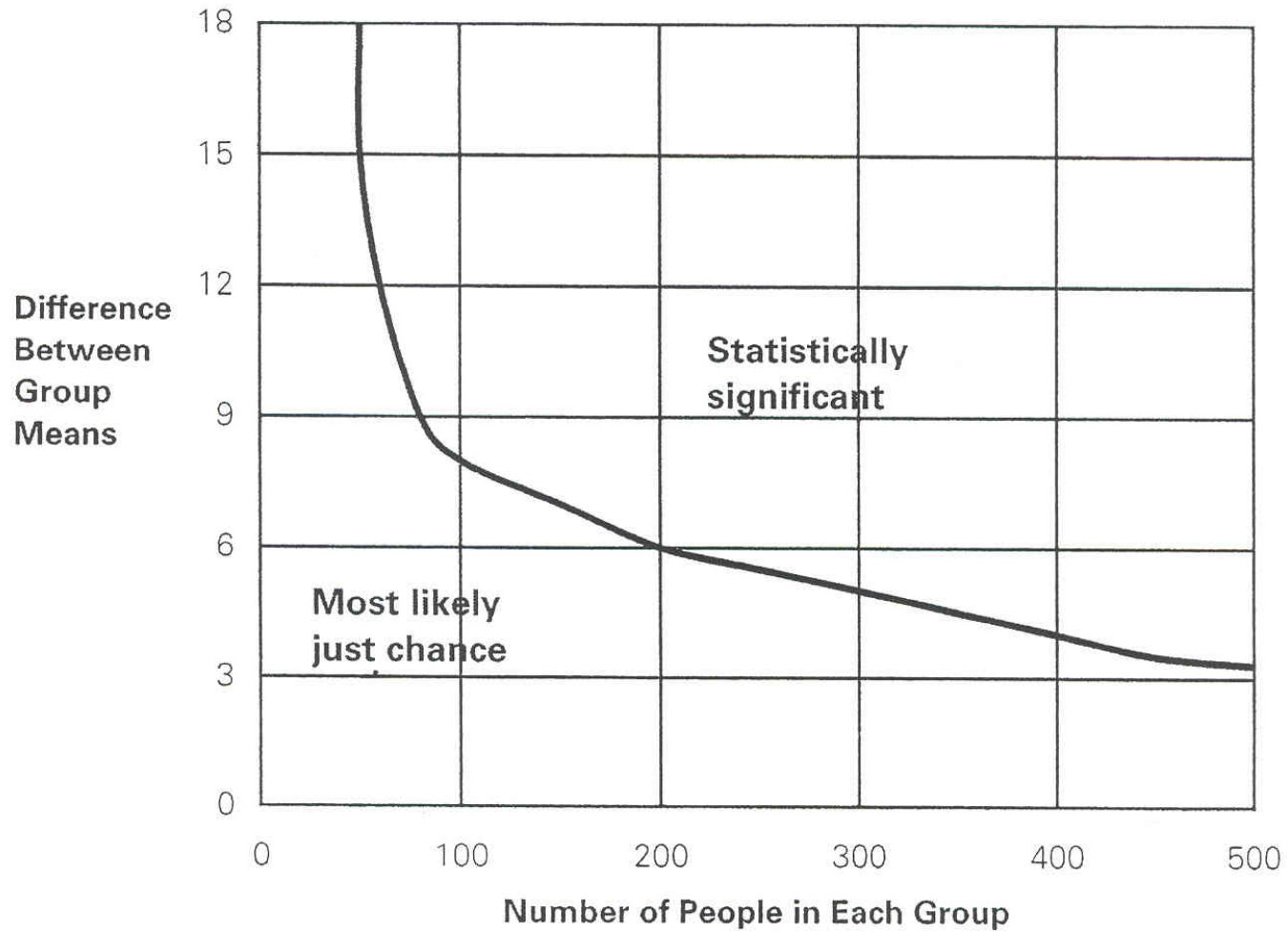
# AP Spanish

## Percent of Students Scoring 3 or Better



**AP Physics (12th grade)**  
**Percent of Students Scoring 3 or Better**  
**(with number taking the test)**





The End

Thank you for your attention

Questions?