



2008 College-Bound Seniors

# State Profile Report

PENNSYLVANIA

## Included in this Report

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**SAT Reasoning Test™ Data**

**SAT Subject Tests™ Data**

**Demographic and Academic Information**

**College Plans**

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## The SAT® Program

The SAT Reasoning Test™ (formerly known as the SAT® I: Reasoning Test) assesses student reasoning based on knowledge and skills developed by the students in their course work. The SAT Subject Tests™ (formerly known as SAT II: Subject Tests) are a series of one-hour, mostly multiple-choice tests that measure how much students know about a particular academic subject and how well they can apply that knowledge. Most students also complete the optional SAT Questionnaire (formerly known as the Student Descriptive Questionnaire) when they register to take SAT Program tests, providing valuable contextual information to aid in interpreting and understanding individual and group scores. *College-Bound Seniors 2008* includes students who tested through March 2008.

## Using This Report

*College-Bound Seniors* presents data for high school graduates in the year 2008 who participated in the SAT Program. Students are counted only once, no matter how often they tested, and only their latest scores and most recent SAT Questionnaire responses are summarized. Because the accuracy of self-reported information has been documented and the college-bound population is relatively stable from year to year, SAT Questionnaire responses from these students can be considered highly accurate. Therefore, you can use this report to:

- interpret scores of individual students within the broader context of data aggregated across groups of college-bound seniors;
- study changes over time in the characteristics of students taking SAT tests; and
- look at year-to-year educational and demographic changes in this population, along with changes in test performance.

Keep in mind, however, that:

- relationships between test scores and other factors such as educational background, gender, racial/ethnic background, parental education, and household income are complex and interdependent. These factors do not directly affect test performance; rather, they are associated with educational experiences both on tests such as the SAT Reasoning Test and in schoolwork.
- not all students in a high school, school district, or state take the SAT Reasoning Test. Since the population of test-takers is self-selected, using aggregate SAT Reasoning Test scores to compare or evaluate teachers, schools, districts, states, or other educational units is not valid, and the College Board strongly discourages such uses.
- interpreting SAT Reasoning Test scores for subgroups requires unique considerations. The most significant factor to consider in interpreting SAT Reasoning Test scores for any group, or subgroup, of test-takers is the proportion of students taking the test. For example, if state data are being considered, it is appropriate to recognize that in some states there are lower participation rates. Typically, test-takers in these states have strong academic backgrounds and apply to the nation's most selective colleges and scholarship programs. For these states, it is expected that the SAT Reasoning Test mean scores reported for students will be higher than the national average.

## Statistical Definitions

The following terms are used throughout this report. For more statistical information, visit the College Board Web site at [www.collegeboard.com](http://www.collegeboard.com).

### Mean

The *mean* is the arithmetic average.

### Percentile

The *percentile*, also called the percentile point, is the point on the measurement scale below which a specified percentage of scores falls. The 25th, 50th, and 75th percentile points are often reported for large data sets. The 50th percentile point is also called the median and, like the mean, is an average and a good indicator of the center of the distribution of scores. Comparing the 25th and 75th percentile points gives an idea of the range of scores in the populations reported in this document. Like the standard deviation, the difference between the scores associated with the 75th and 25th percentiles is an indication of the variability of the scores in a particular sample.

### Scaled score

A *scaled score* is a score that has been converted from the raw score (number of questions answered correctly minus a fraction of the incorrect answers) for reporting. The SAT Program uses the 200–800 scale.

### Standard deviation (SD)

The *standard deviation* (SD) is a measure of the variability of a set of scores. If test scores cluster tightly around the mean score, as they do when the group tested is relatively homogeneous, the standard deviation is smaller than it would be with a more diverse group and a greater scatter of scores around the mean.

## The College Board: Connecting Students to College Success

The College Board is a not-for-profit membership association whose mission is to connect students to college success and opportunity. Founded in 1900, the association is composed of more than 5,400 schools, colleges, universities, and other educational organizations. Each year, the College Board serves seven million students and their parents, 23,000 high schools, and 3,500 colleges through major programs and services in college admissions, guidance, assessment, financial aid, enrollment, and teaching and learning. Among its best-known programs are the SAT®, the PSAT/NMSQT®, and the Advanced Placement Program® (AP®). The College Board is committed to the principles of excellence and equity, and that commitment is embodied in all of its programs, services, activities, and concerns.

### A note about changes to the SAT Questionnaire:

In the 2006-2007 academic year, changes to the SAT Questionnaire were made. Sections of this report most notably affected by this change are Course-Taking Patterns and Intended College Major. In this year's report, the questionnaire responses of some students were not reported as their responses did not map to the current reporting tables. For complete details on the changes please visit [www.collegeboard.com/cbs](http://www.collegeboard.com/cbs).

# Total Group Mean SAT Reasoning Test Scores

College-Bound Seniors, 1972–2008

<b>Year</b>	<b>Critical Reading</b>			<b>Mathematics</b>			<b>Writing</b>		
	<b>Male</b>	<b>Female</b>	<b>Total</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
1972	531	529	530	527	489	509	-	-	-
1973	523	521	523	525	489	506	-	-	-
1974	524	520	521	524	488	505	-	-	-
1975	515	509	512	518	479	498	-	-	-
1976	511	508	509	520	475	497	-	-	-
1977	509	505	507	520	474	496	-	-	-
1978	511	503	507	517	474	494	-	-	-
1979	509	501	505	516	473	493	-	-	-
1980	506	498	502	515	473	492	-	-	-
1981	508	496	502	516	473	492	-	-	-
1982	509	499	504	516	473	493	-	-	-
1983	508	498	503	516	474	494	-	-	-
1984	511	498	504	518	478	497	-	-	-
1985	514	503	509	522	480	500	-	-	-
1986	515	504	509	523	479	500	-	-	-
1987	512	502	507	523	481	501	-	-	-
1988	512	499	505	521	483	501	-	-	-
1989	510	498	504	523	482	502	-	-	-
1990	505	496	500	521	483	501	-	-	-
1991	503	495	499	520	482	500	-	-	-
1992	504	496	500	521	484	501	-	-	-
1993	504	497	500	524	484	503	-	-	-
1994	501	497	499	523	487	504	-	-	-
1995	505	502	504	525	490	506	-	-	-
1996	507	503	505	527	492	508	-	-	-
1997	507	503	505	530	494	511	-	-	-
1998	509	502	505	531	496	512	-	-	-
1999	509	502	505	531	495	511	-	-	-
2000	507	504	505	533	498	514	-	-	-
2001	509	502	506	533	498	514	-	-	-
2002	507	502	504	534	500	516	-	-	-
2003	512	503	507	537	503	519	-	-	-
2004	512	504	508	537	501	518	-	-	-
2005	513	505	508	538	504	520	-	-	-
2006	505	502	503	536	502	518	491	502	497
2007	504	502	502	533	499	515	489	500	494
2008	504	500	502	533	500	515	488	501	494

NOTE: For 1972–1986 a formula was applied to the original mean and standard deviation to convert the mean to the recentered scale. For 1987–1995 individual student scores were converted to the recentered scale and then the mean was recomputed. From 1996–1999, nearly all students received scores on the recentered scale. Any score on the original scale was converted to the recentered scale prior to computing the mean. From 2000–2008, all scores are reported on the recentered scale.

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## SAT Reasoning Test™ Data

Data in this report are for high school graduates in the year 2008. Information is summarized for seniors who took the SAT Reasoning Test™ at any time during their high school years through March 2008. If a student took the test more than once, the most recent score is used.

Table 1: Overall Mean Scores

SAT Reasoning Test	Test-Takers Number	Critical Reading		Mathematics		Writing *		Writing Sub-Scores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Total	106,093	494	106	501	111	483	107	48.6	10.7	6.9	1.7

Table 2: Mean Scores by Gender

SAT Reasoning Test	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Sub-Scores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Male	49,303	497	108	520	114	476	107	48.2	10.7	6.7	1.8
Female	56,616	492	105	485	106	489	106	49.0	10.7	7.1	1.6
No Response**	174	413	98	413	104	398	94	40.4	9.4	5.8	1.7

Table 3: Year in Which Seniors Last Took the SAT Reasoning Test

Scores are from the last administration in which seniors took the SAT Reasoning Test.

SAT Reasoning Test	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Sub-Scores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Senior (2007-2008)	67,817	483	103	489	108	472	104	47.5	10.4	6.8	1.7
Junior (2006-2007)	38,046	513	110	524	113	503	110	50.5	11.0	7.1	1.7
Sophomore (2005-2006)	203	498	120	499	130	474	120	48.2	12.1	6.7	1.9
Freshman (2004-2005)	27	498	108	499	96	472	102	47.5	9.6	6.7	2.2
Total	106,093	494	106	501	111	483	107	48.6	10.7	6.9	1.7

Table 4: Mean Scores for Total Group

Mean scores for the total group may serve as points of reference when evaluating mean scores for the state.

SAT Reasoning Test	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Sub-Scores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Total Group	1,518,859	502	112	515	116	494	110	49.5	11.1	7.1	1.7

\*Writing data are based on students who took the current version of the SAT Reasoning Test, first administered in March 2005. Of the 106,093 students in this report, 106,082 students have scores on the SAT writing section. The Writing test contains one essay (30% of the total score) and 49 multiple-choice questions (70% of the total score). Essay scores range from 2-12, with a very small percentage of students (less than .3%) receiving scores of 0 on the essay, for essays written completely off topic. Multiple-choice scores range from 20-80.

\*\*'No Response' indicates that students did not answer that question, did not complete the SAT Questionnaire, or stated that they did not wish to answer that question on their SAT Questionnaire.

NOTE: Mean scores are reported when there are 5 or more test-takers. Standard deviations are reported when there are 25 or more test-takers.

## SAT Reasoning Test Data

**Table 5: Percentiles for State and Total Group**

A percentile represents the point below which a percentage of scores fall. Comparing the 25th percentile point to the 75th percentile point gives an idea of the range of performance in a group.

SAT Reasoning Test Percentile	State			Total Group		
	Critical Reading	Mathematics	Writing	Critical Reading	Mathematics	Writing
75th	560	580	550	580	590	570
50th	490	500	480	500	510	490
25th	420	420	410	420	430	420

**Table 6: Score Distributions**

SAT Reasoning Test Score Range	Critical Reading			Mathematics			Writing		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
750–800	596	559	1,155	1,154	474	1,628	421	648	1,070
700–740	1,229	1,164	2,394	1,803	953	2,758	892	1,232	2,124
650–690	2,580	2,537	5,119	4,283	2,722	7,006	1,940	2,687	4,627
600–640	4,824	5,155	9,984	5,697	4,444	10,148	3,428	4,442	7,874
550–590	6,686	7,080	13,778	7,936	7,800	15,745	5,843	7,534	13,383
500–540	8,707	10,360	19,077	8,235	9,609	17,859	8,006	9,522	17,540
450–490	8,865	10,862	19,757	7,455	10,454	17,934	9,227	10,841	20,092
400–440	7,527	9,176	16,736	5,986	9,310	15,331	8,398	9,269	17,709
350–390	4,600	5,614	10,256	3,594	5,873	9,505	6,009	5,947	11,993
300–340	2,183	2,477	4,686	1,939	3,079	5,043	3,228	2,890	6,145
250–290	942	1,051	1,997	754	1,202	1,963	1,264	1,090	2,366
200–240	564	581	1,154	467	696	1,173	640	510	1,159

**Table 7: Type of High School**

SAT Reasoning Test	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	85,189	85	46	54	490	500	478
Religiously Affiliated	12,955	13	48	52	521	513	516
Independent	2,301	2	55	44	533	541	531
Other or Unknown	5,648						

**Table 8: Test-Taking Conditions**

SAT Reasoning Test	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
Standard Conditions	103,958	98	495	106	502	111	484	107
Nonstandard Conditions	2,135	2	455	111	458	124	445	110

NOTE: Percentiles are reported when there are 20 or more test-takers.

## Demographic Information

### SAT Reasoning Test: Mean Scores by Gender Within Ethnicity

Table 9: Total Mean Scores by Ethnicity

SAT Reasoning Test Test-Takers Who Described Themselves As:	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
American Indian or Alaska Native	468	0	460	97	469	108	449	98
Asian, Asian American, or Pacific Islander	3,786	4	502	130	566	129	501	131
Black or African American	9,726	9	410	96	402	97	399	93
Mexican or Mexican American	425	0	469	114	471	104	453	112
Puerto Rican	1,478	1	439	104	435	103	425	100
Other Hispanic, Latino, or Latin American	1,565	1	456	109	455	111	441	108
White	81,340	77	509	98	516	102	498	100
Other	2,156	2	482	114	484	117	472	113
No Response	5,149	5	452	130	450	128	438	125
Total	106,093	100	494	106	501	111	483	107

Table 10: Male Mean Scores by Ethnicity

SAT Reasoning Test Test-Takers Who Described Themselves As:	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
American Indian or Alaska Native	239	0	470	101	489	110	445	98
Asian, Asian American, or Pacific Islander	1,912	2	502	130	582	128	494	131
Black or African American	4,091	4	407	98	409	101	388	94
Mexican or Mexican American	197	0	470	114	481	112	444	113
Puerto Rican	597	1	451	106	459	105	426	102
Other Hispanic, Latino, or Latin American	685	1	462	114	477	118	438	110
White	38,084	36	512	100	535	104	490	100
Other	916	1	486	116	507	120	469	114
No Response	2,582	2	454	129	464	130	432	123
Total	49,303	46	497	108	520	114	476	107

Table 11: Female Mean Scores by Ethnicity

SAT Reasoning Test Test-Takers Who Described Themselves As:	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
American Indian or Alaska Native	225	0	451	92	449	100	454	98
Asian, Asian American, or Pacific Islander	1,870	2	502	129	549	126	508	131
Black or African American	5,608	5	412	95	397	93	407	92
Mexican or Mexican American	228	0	469	114	463	96	461	110
Puerto Rican	877	1	431	101	419	99	425	99
Other Hispanic, Latino, or Latin American	878	1	451	105	438	102	443	106
White	43,175	41	507	96	500	97	505	99
Other	1,236	1	480	112	467	112	475	111
No Response	2,519	2	452	130	438	123	445	126
Total	56,616	53	492	105	485	106	489	106

## Demographic Information

### SAT Reasoning Test: Student Background Information and Characteristics

**Table 12: Student Background Information and Characteristics**

Student demographic information provides a broader context to aid in interpreting and understanding individual and group scores.

SAT Reasoning Test	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
All Test-Takers	106,093	100	494	106	501	111	483	107
<b>First Language Learned</b>								
English	88,582	90	497	102	502	106	485	102
English and Another	6,667	7	471	107	483	115	461	108
Another Language	3,083	3	450	121	506	134	450	122
No Response	7,761							
<b>Citizenship</b>								
U.S. Citizen / U.S. National	94,801	98	496	102	501	107	484	103
U.S. Permanent Resident or Refugee	1,641	2	438	126	484	134	441	124
Citizen of Another Country	626	1	437	111	554	128	449	116
Other, Unknown, or No Response	9,025							
<b>Disabling Condition</b>								
Yes	6,069	6	470	109	466	112	450	106
Unknown or No Response	100,024							
<b>Plans to Apply for Financial Aid</b>								
Yes	71,146	77	492	102	497	106	480	101
No	4,744	5	518	104	532	109	514	106
Don't Know	16,218	18	504	103	515	107	493	105
<b>Family Income</b>								
\$0 - \$20,000	5,148	7	432	103	434	107	417	97
\$20,000-\$40,000	10,615	15	463	98	467	100	450	95
\$40,000-\$60,000	13,631	20	484	96	489	99	470	95
\$60,000-\$80,000	13,145	19	494	96	500	99	481	95
\$80,000-\$100,000	10,058	14	505	97	513	100	493	97
\$100,000-\$120,000	6,852	10	514	96	524	101	503	97
\$120,000-\$140,000	3,075	4	521	97	531	101	511	97
\$140,000-\$160,000	2,029	3	525	94	538	100	516	97
\$160,000-\$200,000	2,155	3	531	97	540	100	523	101
More than \$200,000	2,875	4	550	97	565	101	548	102
No Response	36,510							
<b>Highest Level of Parental Education</b>								
No High School Diploma	1,899	2	417	101	435	109	405	98
High School Diploma	35,727	39	463	92	470	98	451	91
Associate Degree	9,105	10	479	91	485	96	465	91
Bachelor's Degree	26,661	29	515	97	522	102	503	97
Graduate Degree	19,007	21	548	103	553	107	539	105
<b>Took the PSAT/NMSQT®</b>								
Yes, As a Junior	35,032	40	491	98	498	102	479	97
Yes, As a Sophomore or Younger	10,895	12	507	99	518	105	498	100
Yes, As a Junior and As a Sophomore or Younger	21,964	25	534	101	541	106	529	103
No	19,755	23	461	96	464	100	443	92

## Academic Information

### Academic Record

Table 13: High School Rank

SAT Reasoning Test	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Highest Tenth	13,646	25	41	59	578	596	573
Second Tenth	13,863	26	45	55	515	530	506
Second Fifth	12,319	23	49	51	482	492	470
Final Three Fifths	14,228	26	51	49	440	442	425
No Response	52,037						

Table 14: High School Grade Point Average

SAT Reasoning Test	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
A+ (97–100)	6,141	6	38	62	589	606	586
A (93–96)	18,952	20	39	61	548	561	542
A- (90–92)	18,381	19	43	57	518	530	509
B (80–89)	43,429	45	49	51	465	468	451
C (70–79)	9,174	10	57	42	413	409	395
D, E, or F (below 70)	247	0	57	41	394	389	374
No Response	9,769						
<b>Mean Grade Point Average</b>	<b>All Students: 3.36</b>		<b>Male: 3.28</b>		<b>Female: 3.43</b>		

Table 15: Average Years of Study in Six Academic Subjects

SAT Reasoning Test	Average Years of Study			Grade Point Average: Each Subject		
	Male	Female	Total	Male	Female	Total
Arts and Music	1.8	2.3	2.1	3.64	3.81	3.74
English and Language Arts	3.9	3.9	3.9	3.25	3.47	3.37
Foreign and Classical Languages	2.7	2.9	2.8	3.15	3.40	3.29
Mathematics	3.9	3.9	3.9	3.19	3.20	3.19
Natural Sciences	3.7	3.7	3.7	3.26	3.30	3.28
Social Sciences and History	3.8	3.8	3.8	3.41	3.44	3.43
<b>Total for All Subjects</b>	<b>19.8</b>	<b>20.5</b>	<b>20.2</b>			

## Academic Information

### Course-Taking Patterns

Table 16: English, Mathematics

<b>English and Language Arts</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Reasoning Test Mean Scores</b>		
	<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics
More Than 4 Years	4,046	5	40	60	508	506	499
4 Years	71,330	82	46	54	502	509	490
3 Years	10,924	13	43	57	463	469	453
2 Years	740	1	50	49	455	475	444
1 Year	198	0	43	57	426	429	414
1/2 Year or Less	146	0	43	57	426	435	410
No Response	18,709						
<b>Course Work or Experience</b>							
English/Language Arts	78,974	94	45	55	497	503	486
Journalism	9,750	12	38	62	496	486	488
Creative Writing	24,006	29	41	59	493	488	483
American Literature	50,038	60	45	55	504	508	493
Composition/Writing	33,406	40	43	57	500	500	490
British Literature	26,371	32	44	56	518	517	506
World Literature	28,518	34	45	55	509	511	497
Communications	11,886	14	44	56	488	493	478
Public Speaking	21,872	26	42	58	503	503	492
English As Second Language	2,407	3	44	56	421	471	421
AP®/Honors Courses	27,135	31	38	62	565	564	557

<b>Mathematics</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Reasoning Test Mean Scores</b>		
	<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics
More Than 4 Years	8,799	10	48	51	513	549	505
4 Years	60,584	69	46	54	503	509	491
3 Years	17,254	20	42	58	469	461	456
2 Years	666	1	51	48	449	453	438
1 Year	137	0	47	53	422	416	406
1/2 Year or Less	152	0	41	59	415	401	391
No Response	18,501						
<b>Highest Level of Mathematics Achieved*</b>							
Calculus	23,565	27	50	50	557	593	551
Pre-calculus	19,936	23	43	56	508	518	498
Trigonometry	14,390	16	44	56	482	482	469
Algebra II	23,991	27	43	57	452	438	437
Algebra I	4,025	5	45	55	414	388	395
AP/Honors Courses	22,650	26	47	53	564	596	558

\*To better reflect the relationship between students' SAT scores and their Mathematics course work, course work is now being displayed as the highest level of mathematics achieved. This means that each student is counted only once under their highest level of mathematics course taken.

## Academic Information

### Course-Taking Patterns

Table 17: Natural Sciences, Social Sciences and History

<b>Natural Sciences</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Reasoning Test Mean Scores</b>		
	<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics
More Than 4 Years	7,019	8	46	54	531	553	519
4 Years	52,405	60	47	53	505	514	495
3 Years	23,937	28	43	57	476	474	463
2 Years	2,211	3	49	50	454	456	440
1 Year	783	1	43	56	439	438	422
1/2 Year or Less	561	1	37	63	414	414	404
No Response	19,177						
<b>Course Work or Experience</b>							
Biology	84,153	98	45	55	497	504	486
Chemistry	78,201	91	45	55	502	510	492
Physics	48,218	56	49	51	517	534	507
Geology, Earth, or Space Science	47,678	56	46	54	483	486	470
Other Sciences	32,703	38	41	59	494	497	483
AP/Honors Courses	23,073	27	45	55	566	586	558

<b>Social Sciences and History</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Reasoning Test Mean Scores</b>		
	<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics
More Than 4 Years	5,179	6	44	56	521	522	508
4 Years	60,132	69	47	53	506	512	494
3 Years	19,084	22	43	57	471	478	461
2 Years	1,970	2	44	55	441	451	431
1 Year	458	1	48	52	417	425	402
1/2 Year or Less	337	0	47	52	422	433	406
No Response	18,933						
<b>Course Work or Experience</b>							
U.S. History	75,684	89	46	54	501	507	489
World History or Cultures	72,942	85	45	55	497	504	486
U.S. Government or Civics	54,081	63	45	55	498	504	486
Economics	28,452	33	46	54	499	509	486
Geography	15,139	18	46	54	483	486	471
Psychology	27,140	32	35	65	506	504	494
European History	28,244	33	48	52	523	527	511
Sociology	14,937	17	37	63	498	496	485
Ancient History	14,359	17	48	52	500	501	488
Other Courses	15,778	18	43	56	494	499	482
AP/Honors Courses	26,126	30	44	56	565	571	556

## Academic Information

### Course-Taking Patterns

Table 18: Foreign and Classical Languages

<b>Foreign and Classical Languages</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Reasoning Test Mean Scores</b>		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
<b>Years of Study</b>							
More Than 4 Years	3,729	4	38	62	556	562	552
4 Years	23,077	27	40	60	542	548	536
3 Years	24,776	28	44	56	503	512	493
2 Years	27,155	31	50	50	468	474	452
1 Year	4,601	5	53	47	434	436	415
1/2 Year or Less	3,659	4	56	43	407	414	387
No Response	19,096						
<b>Course Work or Experience</b>							
Chinese	582	1	49	51	508	545	495
French	16,801	20	35	65	512	512	501
German	9,331	11	57	43	519	525	500
Greek	233	0	50	50	534	523	517
Hebrew	254	0	46	54	538	541	534
Italian	1,322	2	42	58	500	496	491
Japanese	632	1	54	46	527	535	509
Korean	133	0	42	57	458	542	453
Latin	6,416	7	48	52	548	549	537
Russian	302	0	42	58	493	493	477
Spanish	56,824	66	45	55	491	498	481
Other Languages	976	1	40	59	463	463	453
AP/Honors Courses	14,081	16	39	61	574	583	572

## Academic Information

### Course-Taking Patterns

Table 19: Arts and Music, Computers

<b>Arts and Music</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Reasoning Test Mean Scores</b>		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
<b>Years of Study</b>							
More Than 4 Years	4,318	5	35	65	514	509	501
4 Years	18,725	22	36	64	522	518	511
3 Years	10,536	13	39	61	492	493	482
2 Years	13,790	16	45	55	488	494	476
1 Year	15,088	18	49	50	489	499	478
1/2 Year or Less	21,803	26	55	45	485	502	473
No Response	21,833						
<b>Course Work or Experience</b>							
Acting or Play Production	14,248	18	32	68	533	518	522
Art History or Appreciation	13,838	18	38	62	505	497	494
Dance	7,969	10	10	90	491	485	490
Drama: Study or Appreciation	8,886	11	30	70	519	503	508
Music: Study or Appreciation	13,571	17	46	54	522	515	510
Music Performance	28,707	37	38	62	521	520	510
Photography or Film	14,553	19	37	63	506	505	495
Studio Art and Design	15,104	19	36	64	511	509	500
None	21,329	27	59	41	473	492	460
AP/Honors Courses	3,882	5	36	63	566	560	557

<b>Computers</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Reasoning Test Mean Scores</b>		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
<b>Course Work or Experience</b>							
Computer Literacy	55,621	69	46	54	503	508	491
Computer Programming	15,148	19	58	42	494	510	480
Word Processing	61,053	76	45	55	502	507	490
Internet Activity	42,600	53	46	54	502	508	490
Using Computer Graphics	26,382	33	52	48	501	513	489
Creating Spreadsheets/Databases	31,311	39	47	53	505	517	495
None	6,578	8	39	61	489	495	481

## SAT Subject Tests™ Data

Table 20: Number of Test-Takers and Tests for SAT Subject Tests

Students Who Took SAT Subject Tests		Students Who Took an SAT Subject Test and Also Took the SAT Reasoning Test			
Number of Test-Takers	Number of Tests	Number of Test-Takers	Critical Reading Mean	Mathematics Mean	Writing Mean
9,551	24,064	9,254	632	648	630

  

Students Who Took One or More Different SAT Subject Tests		
Number of Tests Taken	Number of Test-Takers	Percent of Total Test-Takers Who Took One or More Tests
1	892	9
2	4,070	43
3	3,651	38
4 or More	938	10

Table 21: Mean Scores for SAT Subject Tests and for Students Who Also Took the SAT Reasoning Test

Most, but not all, students who take SAT Subject Tests also take the SAT Reasoning Test. This table provides SAT Subject Test scores for students who took SAT Subject Tests. It also provides the SAT Reasoning Test scores for those students who also took the SAT Reasoning Test.

	SAT Subject Test			SAT Reasoning Test						
	N	Mean	SD	N	Critical Reading Mean	SD	Mathematics Mean	SD	Writing Mean	SD
<b>English</b>										
Literature	3,653	625	99	3,506	649	90	624	90	645	91
<b>History and Social Studies</b>										
U.S. History	3,617	633	101	3,481	649	88	640	90	644	89
World History	339	606	109	320	648	98	619	97	625	103
<b>Mathematics</b>										
Mathematics Level 1	4,353	623	94	4,181	613	91	638	86	615	93
Mathematics Level 2	4,040	678	89	3,958	644	93	693	73	642	90
<b>Science</b>										
Biology-E	910	615	95	871	632	92	640	85	627	93
Biology-M	1,483	646	85	1,451	647	86	665	82	648	84
Chemistry	2,260	642	96	2,218	645	90	690	76	642	87
Physics	1,240	643	87	1,224	640	93	697	70	631	88
<b>Foreign and Classical Languages</b>										
Chinese/Listening	101	764	57	100	578	142	698	84	591	129
French	463	596	105	457	659	79	649	82	667	86
French/Listening	125	592	103	125	664	66	643	79	670	74
German	52	542	99	52	647	67	643	94	648	71
German/Listening	75	531	116	75	641	79	638	75	641	76
Modern Hebrew	6	647		6	618		628		690	
Italian	11	666		11	647		625		665	
Japanese/Listening	18	653		18	590		628		576	
Korean/Listening	75	764	64	75	555	108	669	73	576	84
Latin	230	635	92	224	687	71	683	72	690	67
Spanish	830	595	112	819	639	88	635	89	648	92
Spanish/Listening	183	588	121	179	624	107	614	103	625	118

## SAT Subject Tests Score Distributions

Table 22: English, History and Social Studies

SAT Subject Tests	English		History and Social Studies			
	Literature		U.S. History		World History	
	N	Pct	N	Pct	N	Pct
750-800	339	9	466	13	37	11
700-740	640	18	651	18	38	11
650-690	748	20	721	20	56	17
600-640	659	18	592	16	54	16
550-590	548	15	460	13	67	20
500-540	333	9	343	9	32	9
450-490	173	5	212	6	23	7
400-440	130	4	107	3	18	5
350-390	58	2	53	1	11	3
300-340	23	1	12	0	2	1
250-290	2	0			1	0
200-240						
Total	3,653		3,617		339	
Mean	625		633		606	
SD	99		101		109	
75th percentile	700		710		680	
50th percentile	640		650		610	
25th percentile	560		560		540	

Table 23: Mathematics, Science

SAT Subject Tests	Mathematics				Science							
	Mathematics Level 1		Mathematics Level 2		Biology-E		Biology-M		Chemistry		Physics	
	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct
750-800	242	6	1,157	29	57	6	172	12	358	16	171	14
700-740	862	20	691	17	131	14	268	18	367	16	207	17
650-690	888	20	740	18	181	20	388	26	426	19	239	19
600-640	941	22	719	18	190	21	261	18	409	18	260	21
550-590	597	14	447	11	143	16	210	14	321	14	184	15
500-540	371	9	169	4	112	12	112	8	208	9	116	9
450-490	202	5	83	2	55	6	44	3	104	5	49	4
400-440	134	3	25	1	20	2	18	1	58	3	13	1
350-390	85	2	7	0	15	2	5	0	9	0	1	0
300-340	31	1	2	0	4	0	5	0				
250-290					2	0						
200-240												
Total	4,353		4,040		910		1,483		2,260		1,240	
Mean	623		678		615		646		642		643	
SD	94		89		95		85		96		87	
75th percentile	700		750		690		710		720		710	
50th percentile	630		680		620		650		650		640	
25th percentile	570		610		550		590		570		580	

## SAT Subject Tests Score Distributions

Table 24: Foreign and Classical Languages

SAT Subject Tests	Foreign and Classical Languages											
	Chinese/Listening		French		French/Listening		German		German/Listening		Modern Hebrew	
	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct
750-800	79	78	46	10	13	10	2	4	6	8		
700-740	12	12	48	10	5	4	3	6	3	4		
650-690	3	3	64	14	19	15	5	10	4	5	3	50
600-640	5	5	66	14	23	18	6	12	5	7	3	50
550-590			76	16	21	17	6	12	9	12		
500-540	2	2	76	16	19	15	9	17	12	16		
450-490			56	12	17	14	13	25	18	24		
400-440			20	4	5	4	6	12	13	17		
350-390			11	2	3	2	2	4	3	4		
300-340									2	3		
250-290												
200-240												
Total	101		463		125		52		75		6	
Mean	764		596		592		542		531		647	
SD	57		105		103		99		116			
75th percentile	800		670		660		620		590			
50th percentile	790		590		590		530		500			
25th percentile	750		510		520		450		440			

Table 25: Foreign and Classical Languages (continued)

SAT Subject Tests	Foreign and Classical Languages											
	Italian		Japanese/Listening		Korean/Listening		Latin		Spanish		Spanish/Listening	
	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct
750-800	3	27	5	28	57	76	31	13	67	8	27	15
700-740	1	9	4	22	11	15	36	16	109	13	15	8
650-690	2	18					47	20	123	15	16	9
600-640	3	27	3	17	5	7	36	16	139	17	23	13
550-590			2	11	1	1	37	16	114	14	30	16
500-540	2	18	2	11			25	11	114	14	28	15
450-490			2	11	1	1	15	7	89	11	21	11
400-440							3	1	34	4	12	7
350-390									27	3	6	3
300-340									10	1	5	3
250-290									3	0		
200-240									1	0		
Total	11		18		75		230		830		183	
Mean	666		653		764		635		595		588	
SD					64		92		112		121	
75th percentile					800		710		680		680	
50th percentile					790		640		610		580	
25th percentile					740		560		510		500	

## College Plans

Table 26: Intended College Major, Degree-Level Goal

<b>SAT Reasoning Test</b>	<b>Test-Takers</b>		<b>Mean Scores</b>		
	<b>Intended College Major</b>	Number	Pct	Critical Reading	Mathematics
Agriculture, Agriculture Operations, and Related Sciences	546	1	477	474	459
Architecture and Related Services	1,538	2	493	533	481
Area, Ethnic, Cultural and Gender Studies	43	0	541	488	518
Biological and Biomedical Sciences	3,461	5	536	545	523
Business Management, Marketing, and Related Support Services	10,108	13	477	499	467
Communication, Journalism and Related Programs	3,079	4	519	494	514
Computer and Information Sciences and Support Services	2,244	3	502	524	471
Construction Trades	157	0	419	452	398
Education	9,132	12	478	481	472
Engineering	4,887	6	525	580	508
Engineering Technologies/Technicians	756	1	469	507	445
English Language and Literature/Letters	1,119	1	589	524	573
Family and Consumer Sciences/Human Sciences	192	0	463	462	453
Foreign Languages, Literatures, and Linguistics	601	1	572	536	559
Health Professions and Related Clinical Services	14,742	19	480	489	476
History	1,210	2	538	504	503
Legal Professions and Studies	1,952	3	505	497	493
Liberal Arts and Sciences, General Studies, and Humanities	706	1	544	514	533
Library Science/Librarianship	45	0	585	509	521
Mathematics and Statistics	681	1	521	604	517
Mechanic and Repair Technologies/Technician	240	0	431	449	404
Military Sciences	158	0	516	519	489
Multi/Interdisciplinary Studies	83	0	606	562	588
Natural Resources and Conservation	371	0	498	491	475
Parks, Recreation, Leisure and Fitness Studies	542	1	450	473	437
Personal and Culinary Services	358	0	459	452	435
Philosophy and Religious Studies	192	0	575	557	550
Physical Sciences	1,134	1	548	571	530
Precision Production	11	0	435	506	405
Psychology	3,346	4	500	481	488
Public Administration and Social Services Professions	257	0	464	443	456
Security and Protective Services	1,423	2	449	455	431
Social Sciences	1,223	2	558	535	542
Theology and Religious Vocations	182	0	542	511	523
Transportation and Materials Moving	43	0	457	503	440
Visual and Performing Arts	5,353	7	511	495	499
Other	959	1	465	470	454
Undecided	2,547	3	510	521	499
<b>Degree-Level Goal</b>					
Certificate Program	993	1	436	436	420
Associate Degree	1,700	2	420	420	406
Bachelor's Degree	29,710	32	474	481	461
Master's Degree	23,831	26	508	515	497
Doctoral or Related Degree	13,185	14	533	540	524
Other	415	0	441	449	432
Undecided	21,592	24	504	510	492

## College Plans

**Table 27: Institutions That Received the Most SAT Program Score Reports from Your Students**

Of the 106,390 students from your state who took the SAT Reasoning Test and/or an SAT Subject Test, 80,204 designated that their score reports be sent to institutions. Students may designate more than one institution to receive scores. This list includes only the 45 institutions that received the most score reports. A total of 2,797 institutions received score reports from your students.

<b>Institution</b>	<b>State</b>	<b>Type</b>	<b>Number of Students</b>	<b>Percent of Score Senders*</b>
PENNSYLVANIA STATE UNIVERSITY UNIVERSITY	PA	Public	36,085	45.0
UNIVERSITY OF PITTSBURGH PITTSBURGH	PA	Private	15,961	19.9
TEMPLE UNIVERSITY	PA	Private	14,429	18.0
WEST CHESTER UNIVERSITY OF PENNSYLVANIA	PA	Public	10,530	13.1
DREXEL UNIVERSITY	PA	Private	9,072	11.3
BLOOMSBURG UNIVERSITY OF PENNSYLVANIA	PA	Public	8,231	10.3
INDIANA UNIVERSITY OF PENNSYLVANIA	PA	Public	7,341	9.2
KUTZTOWN UNIVERSITY OF PENNSYLVANIA	PA	Public	6,652	8.3
MILLERSVILLE UNIVERSITY OF PENNSYLVANIA	PA	Public	6,323	7.9
SHIPPENSBURG UNIVERSITY OF PENNSYLVANIA	PA	Public	5,811	7.2
VILLANOVA UNIVERSITY	PA	Private	5,055	6.3
SLIPPERY ROCK UNIVERSITY OF PENNSYLVANIA	PA	Public	4,896	6.1
DUQUESNE UNIVERSITY	PA	Private	4,838	6.0
UNIVERSITY OF DELAWARE	DE	Public	4,572	5.7
UNIVERSITY OF PENNSYLVANIA UNDERGRADUATE	PA	Private	4,441	5.5
EAST STROUDSBURG UNIVERSITY OF PENNSYLVANIA	PA	Public	3,925	4.9
NCAA ELIGIBILITY CENTER	IA	Public	3,894	4.9
LOCK HAVEN UNIVERSITY OF PENNSYLVANIA	PA	Public	3,683	4.6
CALIFORNIA UNIVERSITY OF PENNSYLVANIA	PA	Public	3,460	4.3
WEST VIRGINIA UNIVERSITY MORGANTOWN	WV	Public	3,324	4.1
LEHIGH UNIVERSITY	PA	Private	3,287	4.1
CLARION UNIVERSITY OF PENNSYLVANIA	PA	Public	3,026	3.8
CARNEGIE MELLON UNIVERSITY	PA	Private	3,010	3.8
SAINT JOSEPHS UNIVERSITY	PA	Private	2,928	3.7
NEW YORK UNIVERSITY	NY	Private	2,829	3.5
BUCKNELL UNIVERSITY	PA	Private	2,765	3.4
UNIVERSITY OF MARYLAND COLLEGE PARK	MD	Public	2,745	3.4
LA SALLE UNIVERSITY	PA	Private	2,681	3.3
CORNELL UNIVERSITY	NY	Private	2,512	3.1
UNIVERSITY OF SCRANTON	PA	Private	2,396	3.0
YORK COLLEGE OF PENNSYLVANIA	PA	Private	2,395	3.0
BOSTON UNIVERSITY	MA	Private	2,394	3.0
EDINBORO UNIVERSITY OF PENNSYLVANIA	PA	Public	2,382	3.0
SYRACUSE UNIVERSITY	NY	Private	2,024	2.5
WIDENER UNIVERSITY	PA	Private	1,998	2.5
ROBERT MORRIS UNIVERSITY	PA	Private	1,991	2.5
PRINCETON UNIVERSITY	NJ	Private	1,921	2.4
UNIVERSITY OF PITTSBURGH JOHNSTOWN	PA	Private	1,888	2.4
ARCADIA UNIVERSITY	PA	Private	1,873	2.3
GANNON UNIVERSITY	PA	Private	1,778	2.2
RUTGERS UNIVERSITY	NJ	Public	1,778	2.2
OHIO STATE UNIVERSITY COLUMBUS	OH	Public	1,764	2.2
PHILADELPHIA UNIVERSITY	PA	Private	1,669	2.1
MANSFIELD UNIVERSITY OF PENNSYLVANIA	PA	Public	1,654	2.1
WILKES UNIVERSITY	PA	Private	1,652	2.1

\*Of your students who designated that their SAT Reasoning Test and/or SAT Subject Test score reports be sent to institutions, the 'Percent of Score Senders' indicates the percent of those students who had their scores sent to each institution listed.

# Areas Served by College Board Regional Offices



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212 713-8255 (Fax)

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866 392-3019  
610 227-2580 (Fax)

## Midwestern Regional Office

6111 N. River Road, Suite 550  
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866 392-4086  
847 653-4528 (Fax)

## New England Regional Office

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## Southern Regional Office

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866 392-4088  
770 225-4062 (Fax)

## Southwestern Regional Office

4330 Gaines Ranch Loop, Suite 200  
Austin, TX 78735-6735  
866 392-3017  
512 721-1841 (Fax)

## Western Regional Office

2099 Gateway Place, Suite 550  
San Jose, CA 95110-1051  
866 392-4078  
408 367-1459 (Fax)

## Puerto Rico and Latin America Office

208 Ponce de León Avenue, Suite 1501  
San Juan, PR 00918-1017  
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P.O. Box 71101  
San Juan, PR 00936-8001  
787 772-1200  
787 759-8629 (Fax - Reception area)  
787 764-4306 (Fax - Director's office)

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1233 20th Street NW, Suite 600  
Washington, DC 20036-2375  
202 741-4700  
202 741-4745 (Fax)

## Washington Office

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## Florida Office

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## New York State Office

122 South Swan Street  
Albany, NY 12210-1715  
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## Sacramento Office

915 L Street, Suite 1200  
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