

# 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**

# 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 2006* includes students who tested through April 2006.

## Using This Report

*College-Bound Seniors* presents data for high school graduates in the year 2006 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, like the mean, gives an idea of the performance of the typical student. Comparing the 25th to the 75th percentile point gives an idea of the range of ability in the population.

## 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 5,000 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.

# Total Group Mean SAT Reasoning Test Scores

## College-Bound Seniors, 1972–2006

<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

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 2000–2006, 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 2006. Information is summarized for seniors who took the SAT Reasoning Test™ at any time during their high school years through April 2006. 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	Critical Reading		Mathematics		Writing*	
	Number	Mean	SD	Mean	SD	Mean	SD
Total	103,445	493	107	500	113	483	106

Table 2: Mean Scores by Gender

SAT Reasoning Test	Test-Takers	Critical Reading		Mathematics		Writing	
	Number	Mean	SD	Mean	SD	Mean	SD
Male	48,127	496	109	518	116	477	107
Female	55,318	491	106	483	108	488	106

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	Critical Reading		Mathematics		Writing	
	Number	Mean	SD	Mean	SD	Mean	SD
Senior	62,505	482	104	486	110	472	103
Junior	39,981	511	110	519	114	502	110
Sophomore	859	524	120	531	120		
Freshman	100	504	132	518	131		
Total	103,445	493	107	500	113	483	106

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	Critical Reading		Mathematics		Writing	
	Number	Mean	SD	Mean	SD	Mean	SD
Total Group	1,465,744	503	113	518	115	497	109

\*Writing data are based on students who took the current version of the SAT Reasoning Test, first administered in March 2005. Of the 103,445 students in this report, 97,134 students have scores on the SAT writing section.

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	600	570
50th	490	500	480	500	520	490
25th	420	420	410	430	440	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	617	635	1,252	1,060	376	1,436	367	476	843
700–749	1,071	1,143	2,214	2,027	990	3,017	799	1,098	1,897
650–699	2,531	2,543	5,074	3,742	2,490	6,232	1,767	2,480	4,247
600–649	4,651	4,940	9,591	5,697	4,508	10,205	3,340	4,265	7,605
550–599	6,407	6,984	13,391	7,015	6,943	13,958	5,115	6,675	11,790
500–549	8,752	9,942	18,694	8,139	9,584	17,723	7,278	9,425	16,703
450–499	8,725	10,338	19,063	7,651	10,035	17,686	8,235	9,559	17,794
400–449	7,107	9,051	16,158	6,010	9,099	15,109	7,752	8,542	16,294
350–399	4,547	5,416	9,963	3,577	5,983	9,560	5,574	5,692	11,266
300–349	2,244	2,722	4,966	1,752	2,974	4,726	2,808	2,562	5,370
250–299	901	969	1,870	919	1,479	2,398	1,166	1,068	2,234
200–249	574	635	1,209	538	857	1,395	572	519	1,091

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	82,266	84	46	54	490	499	478
Religiously Affiliated	13,276	14	48	52	516	507	511
Independent	2,195	2	55	45	544	548	540
Other or Unknown	5,708						

Table 8: Test-Taking Conditions

SAT Reasoning Test	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
Standard Conditions	101,614	98	494	107	500	112	484	106
Nonstandard Conditions	1,831	2	452	117	455	127	439	113

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	454	0	449	101	457	112	437	104
Asian, Asian American, or Pacific Islander	3,446	3	492	130	555	129	491	127
Black or African American	7,881	8	410	97	399	100	400	94
Mexican or Mexican American	395	0	465	112	467	106	451	113
Puerto Rican	1,180	1	433	107	426	101	421	98
Other Hispanic, Latino, or Latin American	1,080	1	463	114	461	115	447	112
White	77,702	75	507	99	514	104	497	98
Other	2,147	2	489	110	489	114	476	107
No Response*	9,160	9	464	130	464	131	449	127
Total	103,445	100	493	107	500	113	483	106

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	228	0	460	106	483	114	441	111
Asian, Asian American, or Pacific Islander	1,699	2	496	129	575	127	488	127
Black or African American	3,386	3	408	100	407	104	392	95
Mexican or Mexican American	173	0	469	107	488	107	452	104
Puerto Rican	489	0	436	99	443	100	416	94
Other Hispanic, Latino, or Latin American	501	0	466	119	479	124	447	119
White	36,111	35	510	100	533	105	490	99
Other	921	1	495	112	514	118	474	110
No Response*	4,619	4	468	130	481	133	444	125
Total	48,127	47	496	109	518	116	477	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	226	0	438	96	431	104	433	97
Asian, Asian American, or Pacific Islander	1,747	2	489	130	536	129	494	126
Black or African American	4,495	4	411	95	392	96	405	93
Mexican or Mexican American	222	0	462	116	451	102	450	119
Puerto Rican	691	1	432	112	413	99	424	101
Other Hispanic, Latino, or Latin American	579	1	460	110	446	105	447	105
White	41,591	40	505	98	497	99	504	97
Other	1,226	1	484	109	471	107	478	106
No Response*	4,541	4	460	129	446	126	454	128
Total	55,318	53	491	106	483	108	488	106

\*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.

## 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	103,445	100	493	107	500	113	483	106
<b>First Language Learned</b>								
English	88,181	91	500	103	505	109	490	103
English and Another	6,021	6	476	111	489	120	469	110
Another Language	2,966	3	452	125	514	135	454	125
No Response*	6,277							
<b>Citizenship</b>								
U.S. Citizen / U.S. National	91,689	98	499	104	504	110	489	103
U.S. Permanent Resident or Refugee	1,582	2	443	129	496	136	443	126
Citizen of Another Country	643	1	444	128	560	133	456	129
Other, Unknown, or No Response*	9,531							
<b>Disabling Condition</b>								
Yes	5,546	5	465	112	462	116	446	109
Unknown or No Response*	97,899							
<b>Plans to Apply for Financial Aid</b>								
Yes	71,942	77	492	104	496	109	482	103
No	5,047	5	525	107	539	113	521	108
Don't Know	16,001	17	505	108	518	113	496	106
<b>Family Income</b>								
Less than \$10,000	1,869	3	417	103	420	110	407	98
\$10,000–\$20,000	3,866	6	442	101	446	106	431	97
\$20,000–\$30,000	5,273	8	459	98	460	104	445	95
\$30,000–\$40,000	7,121	10	472	99	475	104	461	95
\$40,000–\$50,000	7,005	10	486	97	489	100	472	94
\$50,000–\$60,000	7,613	11	490	94	495	101	478	93
\$60,000–\$70,000	6,775	10	494	96	500	101	483	95
\$70,000–\$80,000	6,610	10	500	97	506	101	490	95
\$80,000–\$100,000	9,000	13	511	98	521	102	502	97
More than \$100,000	12,765	19	540	102	554	106	533	102
No Response*	35,548							
<b>Highest Level of Parental Education</b>								
No High School Diploma	1,785	2	407	101	426	111	398	97
High School Diploma	35,968	39	463	94	468	101	452	91
Associate Degree	8,622	9	478	93	482	99	466	92
Bachelor's Degree	26,577	29	515	98	523	104	505	98
Graduate Degree	20,209	22	551	106	559	109	544	105
<b>Took the PSAT/NMSQT®</b>								
Yes, As a Junior	32,100	37	487	101	492	106	477	99
Yes, As a Sophomore or Younger	13,785	16	509	103	520	109	499	101
Yes, As a Junior and As a Sophomore or Younger	22,070	25	533	105	539	110	528	105
No	19,511	22	465	99	469	105	448	95

\*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.

## 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
Top Tenth	14,158	25	41	59	583	600	577
Second Tenth	13,658	24	44	56	517	531	509
Second Fifth	13,146	23	48	52	480	490	469
Final Three Fifths	16,293	28	51	49	439	438	427
No Response*	46,190						

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)	6,670	7	40	60	593	610	590
A (93–96)	18,867	20	38	62	550	564	545
A- (90–92)	17,736	19	42	58	521	532	513
B (80–89)	42,918	45	49	51	467	470	455
C (70–79)	9,022	9	59	41	415	408	398
D, E, or F (below 70)	178	0	65	35	400	390	378
No Response*	8,054						
<b>Mean Grade Point Average</b>	<b>All Students: 3.36</b>		<b>Male: 3.28</b>		<b>Female: 3.44</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	2.0	3.67	3.82	3.75
English	3.8	3.9	3.9	3.23	3.45	3.35
Foreign and Classical Languages	2.7	2.9	2.8	3.15	3.40	3.29
Mathematics	3.9	3.8	3.8	3.18	3.18	3.18
Natural Sciences	3.7	3.6	3.6	3.24	3.31	3.28
Social Sciences and History	3.7	3.7	3.7	3.39	3.44	3.42
<b>Total for All Subjects</b>	<b>19.6</b>	<b>20.2</b>	<b>19.8</b>			

Table 16: Total Years of Study in Combined Six Academic Subjects

Total years of study is calculated by combining the number of years that students studied each of the following subjects during high school: Arts and Music, English, Foreign and Classical Languages, Mathematics, Natural Sciences, and Social Sciences and History. 'Incomplete Response' denotes the number of test-takers who did not respond to all six subjects.

SAT Reasoning Test	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
20 or More Years	47,705	59	42	58	526	531	517
19 or 19.5 Years	8,535	11	51	49	486	496	474
18 or 18.5 Years	7,601	9	51	49	471	477	458
17 or 17.5 Years	4,958	6	49	51	457	459	445
16 or 16.5 Years	3,575	4	48	52	446	449	433
15 or 15.5 Years	3,265	4	50	50	444	452	434
Less than 15 Years	5,065	6	50	50	426	434	412
Incomplete Response	22,741						

\*'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.

## Academic Information

### Course-Taking Patterns

Table 17: English, Mathematics

<b>English</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	Writing
More Than 4 Years	4,851	6	41	59	500	497	491
4 Years	67,293	77	46	54	505	511	494
3 Years	13,066	15	44	56	456	461	447
2 Years	1,430	2	52	48	473	490	464
1 Year	288	0	48	52	451	471	440
1/2 Year or Less	283	0	51	49	431	448	420
No Response*	16,234						
<b>Course Work or Experience</b>							
American Literature	71,501	88	45	55	506	510	496
Grammar	59,451	73	44	56	504	508	494
Composition	51,543	63	45	55	514	517	504
Literature, Historical Periods	37,468	46	42	58	528	527	517
British Literature	32,606	40	43	57	526	524	514
Speaking and Listening	33,354	41	43	57	508	510	498
Literature, Other Country	15,585	19	43	57	536	533	524
English As Second Language	2,337	3	43	57	426	474	426
AP®/Honors Courses	26,680	31	39	61	568	569	560
<b>Mathematics</b>							
<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	9,200	11	49	51	515	546	505
4 Years	57,233	65	46	54	506	512	495
3 Years	19,088	22	42	58	463	455	452
2 Years	1,388	2	49	51	463	471	450
1 Year	308	0	44	56	455	466	449
1/2 Year or Less	256	0	50	50	442	447	432
No Response*	15,972						
<b>Course Work or Experience</b>							
Algebra	85,548	97	45	55	495	501	485
Geometry	83,050	94	45	55	497	504	487
Trigonometry	46,374	53	47	53	521	537	512
Precalculus	36,182	41	47	53	539	562	531
Calculus	24,457	28	50	50	558	591	551
Other Math Courses	25,927	29	44	56	486	491	474
Computer Math	8,793	10	58	42	489	503	475
AP/Honors Courses	22,170	25	48	52	570	601	563

\*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.

## Academic Information

### Course-Taking Patterns

Table 18: 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	Writing	
More Than 4 Years	7,002	8	46	54	527	548	516	
4 Years	49,339	57	47	53	510	517	500	
3 Years	25,233	29	43	57	473	473	464	
2 Years	3,114	4	50	50	460	464	446	
1 Year	1,124	1	46	54	441	444	429	
1/2 Year or Less	806	1	44	56	409	416	399	
No Response*	16,827							
<b>Course Work or Experience</b>								
Biology	86,167	98	45	55	496	502	486	
Chemistry	79,116	90	45	55	502	509	492	
Physics	48,334	55	49	51	518	535	508	
Geology, Earth, or Space Science	43,732	50	46	54	487	489	475	
Other Sciences	32,191	37	42	58	488	490	478	
AP/Honors Courses	22,372	26	46	54	572	591	563	

  

<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	Writing	
More Than 4 Years	6,094	7	44	56	518	518	504	
4 Years	56,923	65	46	54	508	514	498	
3 Years	19,914	23	44	56	468	475	460	
2 Years	3,006	3	46	54	449	463	438	
1 Year	643	1	44	56	415	423	405	
1/2 Year or Less	467	1	46	54	415	426	403	
No Response*	16,398							
<b>Course Work or Experience</b>								
U.S. History	82,824	94	46	54	498	504	487	
World History or Cultures	74,194	85	45	55	496	501	485	
U.S. Government or Civics	55,831	64	45	55	497	502	486	
Economics	27,188	31	46	54	496	505	485	
Geography	23,090	26	45	55	477	481	467	
Psychology	26,006	30	35	65	506	503	496	
European History	27,976	32	48	52	526	531	515	
Sociology	14,518	17	38	62	498	495	487	
Ancient History	12,877	15	50	50	500	501	488	
Anthropology	2,461	3	48	52	497	496	484	
Other Courses	17,265	20	45	55	493	496	482	
AP/Honors Courses	24,649	28	44	56	570	575	560	

\*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.

## Academic Information

### Course-Taking Patterns

Table 19: Foreign and Classical Languages

Foreign and Classical Languages Years of Study	Test-Takers		Percent by Gender		SAT Reasoning Test Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	3,955	5	39	61	560	568	556
4 Years	23,103	27	40	60	545	551	540
3 Years	24,499	28	45	55	503	511	494
2 Years	26,844	31	50	50	465	470	451
1 Year	4,556	5	52	48	434	435	416
1/2 Year or Less	3,937	5	55	45	404	410	387
No Response*	16,551						
<b>Course Work or Experience</b>							
Chinese	728	1	46	54	472	532	465
French	20,643	23	38	62	510	510	500
German	10,340	12	54	46	512	519	496
Greek	501	1	55	45	537	537	529
Hebrew	669	1	44	56	549	554	547
Italian	1,442	2	40	60	497	495	491
Japanese	791	1	48	52	528	535	511
Korean	298	0	55	45	473	556	476
Latin	7,882	9	47	53	548	550	536
Russian	575	1	44	56	486	495	477
Spanish	58,944	67	45	55	490	496	481
Other Languages	1,259	1	40	60	464	474	457
AP/Honors Courses	14,909	17	40	60	576	585	572

\*'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.

## Academic Information

### Course-Taking Patterns

Table 20: 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>		
<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	4,452	5	35	65	510	507	500
4 Years	18,589	22	36	64	526	524	517
3 Years	10,153	12	38	62	495	494	486
2 Years	13,454	16	45	55	491	496	481
1 Year	15,326	18	49	51	489	498	478
1/2 Year or Less	22,327	26	55	45	481	496	470
No Response*	19,144						
<b>Course Work or Experience</b>							
Acting or Play Production	14,356	19	32	68	531	517	521
Art History or Appreciation	15,943	21	39	61	507	501	496
Dance	7,206	9	12	88	492	486	490
Drama: Study or Appreciation	9,059	12	30	70	521	505	512
Music: Study or Appreciation	15,383	20	46	54	521	516	511
Music Performance	27,971	37	37	63	522	522	513
Photography or Film	14,113	19	38	62	510	509	500
Studio Art and Design	16,228	21	37	63	514	515	505
None	18,388	24	57	43	471	487	460
AP/Honors Courses	4,829	6	37	63	563	562	556
<b>Computers</b>							
<b>Course Work or Experience</b>	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Computer Literacy	57,065	68	45	55	503	508	492
Computer Programming	15,725	19	61	39	498	516	484
Word Processing	62,787	75	45	55	501	507	491
Internet Activity	45,858	55	46	54	504	509	493
Using Computer Graphics	27,234	33	51	49	505	514	494
Creating Spreadsheets/Databases	35,393	42	46	54	507	516	497
None	7,595	9	39	61	497	500	490

\*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.

## SAT Subject Tests™ Data

Table 21: 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
9,479	24,462	9,200	632	646	626

  

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	987	10
2	3,503	37
3	3,918	41
4 or More	1,071	11

Table 22: Mean Scores for SAT Subject Tests and for Students Who Also Took the SAT Reasoning Test

Most, but not all, students who take the SAT Subject Tests also take the SAT Reasoning Test. This table provides a side-by-side presentation of the two scores for those students who took both tests.

	SAT Subject Test			SAT Reasoning Test						
	N	Mean	SD	N	Critical Reading Mean	SD	Mathematics Mean	SD	Writing Mean	SD
<b>English</b>										
Writing*	763	646	102	749	654	89	664	90	660	91
Literature	3,614	626	98	3,508	649	92	623	90	638	91
<b>History and Social Studies</b>										
U.S. History	3,429	633	107	3,317	650	92	638	94	637	92
World History	344	608	114	331	649	96	621	102	627	101
<b>Mathematics</b>										
Mathematics Level 1	4,616	615	94	4,458	615	93	635	87	612	92
Mathematics Level 2	3,760	675	88	3,707	649	89	696	72	644	86
<b>Science</b>										
Biology-E	977	606	95	933	626	95	641	93	620	93
Biology-M	1,360	646	89	1,330	643	87	662	81	639	85
Chemistry	2,054	634	99	2,010	642	91	683	79	636	90
Physics	1,246	650	87	1,223	646	86	705	71	634	86
<b>Foreign and Classical Languages</b>										
Chinese/Listening	84	769	56	84	599	135	693	89	602	113
French	507	599	107	502	661	81	654	76	667	75
French/Listening	166	609	112	166	656	85	630	80	649	78
German	47	584	125	47	676	64	685	76	678	68
German/Listening	66	532	112	66	654	83	653	89	652	78
Modern Hebrew	20	621		20	656		650		684	
Italian	26	632	139	26	643	72	630	86	636	76
Japanese/Listening	18	669		18	603		686		595	
Korean/Listening	46	762	64	46	566	122	690	76	583	113
Latin	239	623	97	234	674	78	670	72	674	74
Spanish	856	594	115	852	647	86	645	85	653	84
Spanish/Listening	224	587	116	222	635	100	616	91	637	96

\*After the January 2005 administration, the SAT Subject Test in Writing was no longer administered because the SAT Reasoning Test now includes the writing section; 2006 is the last year for which scores for the SAT Subject Test in Writing are reported.

NOTE: The ELPT (English Language Proficiency Test) was last administered in January 2005. Please consult the 2005 College-Bound Seniors Reports for data on ELPT.

## SAT Subject Tests Score Distributions

Table 23: English, History and Social Studies

SAT Subject Tests	English				History and Social Studies			
	Writing		Literature		U.S. History		World History	
	N	Pct	N	Pct	N	Pct	N	Pct
750–800	148	19	327	9	508	15	51	15
700–749	126	17	653	18	636	19	31	9
650–699	142	19	760	21	629	18	53	15
600–649	114	15	689	19	546	16	49	14
550–599	103	13	468	13	408	12	57	17
500–549	67	9	328	9	282	8	42	12
450–499	37	5	182	5	194	6	32	9
400–449	16	2	115	3	132	4	20	6
350–399	9	1	76	2	79	2	7	2
300–349	1	0	15	0	15	0	2	1
250–299			1	0				
200–249								
Total	763		3,614		3,429		344	
Mean	646		626		633		608	
SD	102		98		107		114	
75th percentile	730		700		710		690	
50th percentile	650		640		650		610	
25th percentile	570		570		570		520	

Table 24: 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	227	5	1,001	27	58	6	165	12	303	15	188	15
700–749	712	15	654	17	130	13	265	19	322	16	213	17
650–699	1,003	22	692	18	186	19	313	23	363	18	276	22
600–649	1,061	23	726	19	193	20	263	19	374	18	239	19
550–599	638	14	424	11	157	16	173	13	300	15	182	15
500–549	437	9	163	4	119	12	109	8	195	9	94	8
450–499	264	6	63	2	71	7	38	3	108	5	37	3
400–449	147	3	23	1	45	5	18	1	66	3	11	1
350–399	94	2	10	0	12	1	7	1	21	1	6	0
300–349	32	1	4	0	6	1	9	1	2	0		
250–299	1	0										
200–249												
Total	4,616		3,760		977		1,360		2,054		1,246	
Mean	615		675		606		646		634		650	
SD	94		88		95		89		99		87	
75th percentile	680		750		680		710		710		710	
50th percentile	630		680		620		660		640		650	
25th percentile	560		620		540		590		560		590	

## SAT Subject Tests Score Distributions

Table 25: 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	69	82	51	10	22	13	6	13	3	5	3	15
700–749	6	7	61	12	20	12	5	11	4	6	2	10
650–699	4	5	72	14	20	12	6	13	3	5	4	20
600–649	3	4	71	14	33	20	4	9	9	14	2	10
550–599	1	1	83	16	20	12	4	9	8	12	4	20
500–549	1	1	65	13	21	13	8	17	12	18	4	20
450–499			65	13	20	12	8	17	13	20	1	5
400–449			29	6	6	4	4	9	7	11		
350–399			10	2	4	2	2	4	5	8		
300–349									1	2		
250–299									1	2		
200–249												
Total	84		507		166		47		66		20	
Mean	769		599		609		584		532		621	
SD	56		107		112		125		112			
75th percentile	800		680		690		690		600		680	
50th percentile	790		600		610		560		520		600	
25th percentile	770		510		510		460		450		530	

Table 26: 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	8	31	9	50	36	78	25	10	78	9	24	11
700–749	1	4	1	6	4	9	39	16	116	14	23	10
650–699	6	23	2	11	3	7	46	19	134	16	28	13
600–649			1	6	1	2	42	18	109	13	36	16
550–599	2	8			1	2	33	14	122	14	30	13
500–549	6	23	2	11	1	2	21	9	107	13	19	8
450–499	1	4					28	12	93	11	31	14
400–449			2	11			4	2	60	7	27	12
350–399	1	4					1	0	27	3	6	3
300–349			1	6					8	1		
250–299	1	4							2	0		
200–249												
Total	26		18		46		239		856		224	
Mean	632		669		762		623		594		587	
SD	139				64		97		115		116	
75th percentile	750				800		700		690		670	
50th percentile	660				790		630		600		590	
25th percentile	520				760		550		510		480	

## College Plans

Table 27: Intended College Major, Degree-Level Goal, Plans for Advanced Standing

SAT Reasoning Test	Test-Takers		Mean Scores		
	Number	Pct	Critical Reading	Mathematics	Writing
<b>Intended College Major</b>					
Agriculture or Natural Resources	794	1	473	471	455
Architecture or Environmental Design	2,048	3	483	517	476
Arts: Visual and Performing	5,847	8	508	490	497
Biological Sciences	3,676	5	530	534	518
Business and Commerce	9,363	13	479	498	470
Communications	3,062	4	514	490	509
Computer or Information Sciences	2,715	4	503	527	474
Education	9,627	13	477	481	473
Engineering and Engineering Technologies	4,498	6	524	577	507
Foreign or Classical Languages	596	1	577	547	562
General or Interdisciplinary Studies	247	0	516	497	512
Health and Allied Services	13,067	18	475	483	470
Home Economics	296	0	466	465	456
Language and Literature	1,233	2	595	529	583
Library and Archival Sciences	47	0	586	515	533
Mathematics	679	1	534	614	530
Military Sciences	302	0	502	510	482
Philosophy, Religion, or Theology	405	1	546	518	516
Physical Sciences	1,153	2	547	579	530
Public Affairs and Services	2,202	3	457	451	442
Social Sciences and History	6,396	9	527	503	511
Technical and Vocational	1,023	1	426	440	408
Undecided	2,482	3	491	504	479
<b>Degree-Level Goal</b>					
Certificate Program	1,068	1	432	442	422
Associate Degree	1,688	2	412	414	404
Bachelor's Degree	28,539	31	472	477	461
Master's Degree	23,034	25	509	516	499
Doctoral or Related Degree	13,206	14	540	547	530
Other	479	1	444	447	435
Undecided	23,950	26	504	511	494
<b>Plans for Advanced Standing in College Courses</b>					
Art	2,730	3	488	481	480
Biology	7,043	9	557	569	550
Chemistry	5,929	8	563	595	554
Computer Science	2,025	3	522	551	502
English	14,117	18	575	562	567
Foreign Languages	7,567	10	569	572	566
Humanities	1,503	2	562	546	549
Mathematics	13,544	17	560	605	554
Music	2,364	3	496	492	492
Physics	4,419	6	581	625	570
Social Studies	14,078	18	580	577	568
None of These	43,429	56	466	469	455

## College Plans

**Table 28: Institutions That Received the Most SAT Program Score Reports from Your Students**

Of the 103,724 students from your state who participated in the SAT Program, 77,667 designated that their SAT 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 2,987 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
PENNSYLVANIA STATE UNIVERSITY UNIVERSITY	PA	Public	33,397	43.0
UNIVERSITY OF PITTSBURGH PITTSBURGH	PA	Private	13,872	17.9
TEMPLE UNIVERSITY	PA	Private	13,534	17.4
WEST CHESTER UNIVERSITY OF PENNSYLVANIA	PA	Public	9,097	11.7
DREXEL UNIVERSITY	PA	Private	8,336	10.7
BLOOMSBURG UNIVERSITY OF PENNSYLVANIA	PA	Public	6,615	8.5
INDIANA UNIVERSITY OF PENNSYLVANIA	PA	Public	6,106	7.9
KUTZTOWN UNIVERSITY OF PENNSYLVANIA	PA	Public	6,038	7.8
MILLERSVILLE UNIVERSITY OF PENNSYLVANIA	PA	Public	5,840	7.5
SHIPPENSBURG UNIVERSITY OF PENNSYLVANIA	PA	Public	5,655	7.3
DUQUESNE UNIVERSITY	PA	Private	4,911	6.3
VILLANOVA UNIVERSITY	PA	Private	4,906	6.3
UNIVERSITY OF PENNSYLVANIA UNDERGRADUATE	PA	Private	4,491	5.8
SLIPPERY ROCK UNIVERSITY OF PENNSYLVANIA	PA	Public	4,475	5.8
UNIVERSITY OF DELAWARE	DE	Public	4,211	5.4
SAINT JOSEPHS UNIVERSITY	PA	Private	3,631	4.7
EAST STROUDSBURG UNIVERSITY OF PENNSYLVANIA	PA	Public	3,531	4.5
LOCK HAVEN UNIVERSITY OF PENNSYLVANIA	PA	Public	3,427	4.4
NEW YORK UNIVERSITY	NY	Private	3,205	4.1
LEHIGH UNIVERSITY	PA	Private	3,121	4.0
CARNEGIE MELLON UNIVERSITY	PA	Private	3,087	4.0
CALIFORNIA UNIVERSITY OF PENNSYLVANIA	PA	Public	3,026	3.9
CLARION UNIVERSITY OF PENNSYLVANIA	PA	Public	2,998	3.9
BUCKNELL UNIVERSITY	PA	Private	2,990	3.8
LA SALLE UNIVERSITY	PA	Private	2,720	3.5
UNIVERSITY OF MARYLAND COLLEGE PARK	MD	Public	2,487	3.2
WEST VIRGINIA UNIVERSITY MORGANTOWN	WV	Public	2,424	3.1
EDINBORO UNIVERSITY OF PENNSYLVANIA	PA	Public	2,358	3.0
CORNELL UNIVERSITY	NY	Private	2,336	3.0
BOSTON UNIVERSITY	MA	Private	2,179	2.8
YORK COLLEGE OF PENNSYLVANIA	PA	Private	2,100	2.7
UNIVERSITY OF SCRANTON	PA	Private	2,076	2.7
SYRACUSE UNIVERSITY	NY	Private	2,067	2.7
UNIVERSITY OF PITTSBURGH JOHNSTOWN	PA	Private	2,003	2.6
ARCADIA UNIVERSITY	PA	Private	1,860	2.4
ROBERT MORRIS UNIVERSITY	PA	Private	1,779	2.3
GROVE CITY COLLEGE	PA	Private	1,703	2.2
PRINCETON UNIVERSITY	NJ	Private	1,701	2.2
PHILADELPHIA UNIVERSITY	PA	Private	1,683	2.2
WIDENER UNIVERSITY	PA	Private	1,663	2.1
ELIZABETHTOWN COLLEGE	PA	Private	1,624	2.1
GANNON UNIVERSITY	PA	Private	1,594	2.1
MANSFIELD UNIVERSITY OF PENNSYLVANIA	PA	Public	1,555	2.0
WILKES UNIVERSITY	PA	Private	1,551	2.0
BOSTON COLLEGE	MA	Private	1,545	2.0

\*Of your students who designated that their SAT Program 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.

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Mailing address:  
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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202 741-4745 (Fax)

### Washington Office

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