

State Profile Report

MONTANA

Included in this Report

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.

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

Year	Critical Reading			Mathematics			Writing		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
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	3,024	538	98	545	96	524	95

Table 2: Mean Scores by Gender

SAT Reasoning Test	Test-Takers	Critical Reading		Mathematics		Writing	
	Number	Mean	SD	Mean	SD	Mean	SD
Male	1,400	536	99	559	97	514	96
Female	1,624	539	97	532	93	532	92

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	1,737	533	96	539	95	520	94
Junior	1,234	545	100	554	98	531	96
Sophomore	49	538	107	537	96		
Freshman	4						
Total	3,024	538	98	545	96	524	95

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 3,024 students in this report, 2,771 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	600	610	590	580	600	570
50th	540	550	520	500	520	490
25th	470	480	450	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	22	28	50	28	9	37	17	22	39
700–749	54	65	119	85	39	124	31	45	76
650–699	117	136	253	162	122	284	74	111	185
600–649	203	232	435	249	266	515	121	193	314
550–599	252	284	536	261	311	572	210	287	497
500–549	255	373	628	250	319	569	255	313	568
450–499	247	231	478	193	265	458	239	269	508
400–449	143	170	313	104	162	266	195	185	380
350–399	72	73	145	49	93	142	91	59	150
300–349	29	25	54	12	21	33	24	10	34
250–299	4	3	7	3	11	14	6	8	14
200–249	2	4	6	4	6	10	4	2	6

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	2,471	87	46	54	538	552	524
Religiously Affiliated	146	5	41	59	555	524	527
Independent	230	8	55	45	522	499	525
Other or Unknown	177						

Table 8: Test-Taking Conditions

SAT Reasoning Test	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
Standard Conditions	2,994	99	538	98	545	96	524	94
Nonstandard Conditions	30	1	522	103	523	118	551	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	33	1	495	95	505	97	459	79
Asian, Asian American, or Pacific Islander	64	2	515	104	553	101	500	95
Black or African American	14	0	466		446		435	
Mexican or Mexican American	28	1	513	68	521	75	484	67
Puerto Rican	4	0						
Other Hispanic, Latino, or Latin American	19	1	517		512		496	
White	2,595	86	538	97	546	95	524	94
Other	52	2	557	102	555	94	532	96
No Response*	215	7	554	106	545	99	548	97
Total	3,024	100	538	98	545	96	524	95

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	15	0	510		525		443	
Asian, Asian American, or Pacific Islander	26	1	486	108	566	107	480	105
Black or African American	8	0	456		433		425	
Mexican or Mexican American	13	0	510		537		479	
Puerto Rican	1	0						
Other Hispanic, Latino, or Latin American	7	0	421		410		397	
White	1,202	40	537	96	562	95	515	94
Other	29	1	553	116	565	98	519	110
No Response*	99	3	553	112	556	103	535	104
Total	1,400	46	536	99	559	97	514	96

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	18	1	482		487		471	
Asian, Asian American, or Pacific Islander	38	1	534	96	544	96	515	84
Black or African American	6	0	480		465		448	
Mexican or Mexican American	15	0	515		508		488	
Puerto Rican	3	0						
Other Hispanic, Latino, or Latin American	12	0	573		571		566	
White	1,393	46	539	97	532	93	532	93
Other	23	1	562		543		550	
No Response*	116	4	556	100	534	94	558	90
Total	1,624	54	539	97	532	93	532	92

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	3,024	100	538	98	545	96	524	95
First Language Learned								
English	2,728	94	540	97	546	96	525	94
English and Another	149	5	520	96	531	94	504	92
Another Language	31	1	454	107	567	111	469	111
No Response*	116							
Citizenship								
U.S. Citizen / U.S. National	2,771	99	539	97	546	96	524	95
U.S. Permanent Resident or Refugee	18	1	478		531		491	
Citizen of Another Country	18	1	422		574		438	
Other, Unknown, or No Response*	217							
Disabling Condition								
Yes	180	6	509	105	500	104	487	109
Unknown or No Response*	2,844							
Plans to Apply for Financial Aid								
Yes	2,124	76	543	97	548	95	524	96
No	177	6	512	98	537	103	515	90
Don't Know	481	17	525	96	540	98	521	91
Family Income								
Less than \$10,000	45	2	518	90	508	97	500	91
\$10,000–\$20,000	105	5	511	96	524	91	505	83
\$20,000–\$30,000	173	8	522	98	543	86	512	93
\$30,000–\$40,000	254	12	543	102	549	96	519	99
\$40,000–\$50,000	267	12	545	90	541	95	522	85
\$50,000–\$60,000	267	12	541	102	547	95	525	98
\$60,000–\$70,000	239	11	543	91	545	88	528	94
\$70,000–\$80,000	219	10	540	89	562	90	525	87
\$80,000–\$100,000	285	13	538	99	550	101	529	97
More than \$100,000	350	16	555	96	566	91	538	90
No Response*	820							
Highest Level of Parental Education								
No High School Diploma	18	1	448		502		433	
High School Diploma	795	28	506	90	518	94	494	88
Associate Degree	206	7	514	91	517	93	503	92
Bachelor's Degree	1,020	36	546	94	551	93	528	89
Graduate Degree	811	28	568	97	573	94	554	96
Took the PSAT/NMSQT®								
Yes, As a Junior	1,345	51	543	95	551	96	527	92
Yes, As a Sophomore or Younger	291	11	540	91	545	89	525	92
Yes, As a Junior and As a Sophomore or Younger	350	13	582	96	588	90	573	95
No	650	25	504	94	514	94	487	89

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	802	38	41	59	591	607	578
Second Tenth	562	27	46	54	542	556	526
Second Fifth	405	19	50	50	515	525	500
Final Three Fifths	321	15	59	41	470	479	459
No Response*	934						

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)	201	7	38	62	609	616	601
A (93–96)	736	26	39	61	583	598	570
A- (90–92)	661	23	44	56	547	557	533
B (80–89)	1,055	37	50	50	505	507	488
C (70–79)	219	8	65	35	463	464	443
D, E, or F (below 70)	5	0	60	40	430	426	367
No Response*	147						
Mean Grade Point Average	All Students: 3.46		Male: 3.36		Female: 3.55		

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	2.2	2.7	2.5	3.79	3.91	3.85
English	3.9	3.9	3.9	3.35	3.59	3.48
Foreign and Classical Languages	2.1	2.4	2.3	3.33	3.55	3.45
Mathematics	3.8	3.8	3.8	3.25	3.29	3.27
Natural Sciences	3.4	3.4	3.4	3.40	3.45	3.43
Social Sciences and History	3.2	3.3	3.3	3.49	3.59	3.54
Total for All Subjects	18.6	19.5	19.2			

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	1,197	48	39	61	570	574	556
19 or 19.5 Years	377	15	47	53	533	548	517
18 or 18.5 Years	286	11	51	49	522	534	501
17 or 17.5 Years	207	8	53	47	511	521	486
16 or 16.5 Years	132	5	53	47	490	510	483
15 or 15.5 Years	110	4	54	46	498	504	483
Less than 15 Years	180	7	63	37	475	491	460
Incomplete Response	535						

*'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

English	Test-Takers		Percent by Gender		SAT Reasoning Test Mean Scores		
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics
More Than 4 Years	165	6	42	58	544	544	527
4 Years	2,139	81	46	54	542	551	526
3 Years	268	10	48	52	509	515	502
2 Years	53	2	55	45	509	530	526
1 Year	2	0	0	100			
1/2 Year or Less	4	0	75	25			
No Response*	393						
Course Work or Experience							
American Literature	2,201	87	46	54	545	552	530
Grammar	1,920	76	44	56	544	551	530
Composition	1,897	75	45	55	548	553	533
Literature, Historical Periods	1,307	52	43	57	565	566	546
British Literature	730	29	40	60	569	565	551
Speaking and Listening	1,149	46	44	56	554	558	539
Literature, Other Country	513	20	39	61	573	568	555
English As Second Language	44	2	57	43	495	544	478
AP®/Honors Courses	926	35	36	64	591	585	576
Mathematics							
Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	258	10	51	49	562	603	549
4 Years	1,607	61	46	54	546	557	530
3 Years	673	25	43	57	519	510	505
2 Years	89	3	54	46	476	471	467
1 Year	7	0	57	43	459	421	404
1/2 Year or Less	8	0	75	25	511	478	506
No Response*	382						
Course Work or Experience							
Algebra	2,527	95	46	54	537	545	522
Geometry	2,473	93	46	54	540	549	525
Trigonometry	1,420	54	47	53	555	572	540
Precalculus	1,320	50	46	54	562	584	545
Calculus	773	29	51	49	580	613	566
Other Math Courses	685	26	42	58	533	539	518
Computer Math	149	6	60	40	539	564	517
AP/Honors Courses	698	26	47	53	590	614	576

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

Natural Sciences		Test-Takers		Percent by Gender		SAT Reasoning Test Mean Scores		
Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing	
More Than 4 Years	216	8	50	50	575	598	558	
4 Years	1,060	40	46	54	558	569	541	
3 Years	896	34	44	56	529	534	515	
2 Years	400	15	46	55	501	497	489	
1 Year	53	2	64	36	482	498	461	
1/2 Year or Less	10	0	60	40	481	481	480	
No Response*	389							
Course Work or Experience								
Biology	2,585	97	46	54	539	547	524	
Chemistry	2,023	76	46	54	546	559	532	
Physics	1,233	46	53	47	563	585	545	
Geology, Earth, or Space Science	1,766	66	47	53	534	543	521	
Other Sciences	888	33	41	59	537	542	524	
AP/Honors Courses	526	20	46	54	594	600	576	

Social Sciences and History		Test-Takers		Percent by Gender		SAT Reasoning Test Mean Scores		
Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing	
More Than 4 Years	100	4	41	59	530	528	521	
4 Years	964	37	46	54	549	547	531	
3 Years	1,220	46	44	56	539	553	523	
2 Years	290	11	52	48	510	534	506	
1 Year	47	2	60	40	505	524	492	
1/2 Year or Less	14	1	57	43	476	493	507	
No Response*	389							
Course Work or Experience								
U.S. History	2,601	98	46	54	538	547	524	
World History or Cultures	2,151	81	46	54	540	549	525	
U.S. Government or Civics	2,285	86	45	55	541	550	525	
Economics	417	16	50	50	546	546	530	
Geography	668	25	45	55	523	533	509	
Psychology	560	21	34	66	545	546	530	
European History	297	11	44	56	569	560	549	
Sociology	209	8	42	58	533	533	516	
Ancient History	204	8	45	55	547	537	522	
Anthropology	28	1	39	61	536	544	508	
Other Courses	796	30	45	55	547	558	533	
AP/Honors Courses	553	21	42	58	601	596	584	

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	80	3	44	56	581	591	571
4 Years	387	15	35	65	584	585	578
3 Years	528	20	39	61	568	572	552
2 Years	1,104	42	48	52	528	539	512
1 Year	277	11	49	51	491	502	475
1/2 Year or Less	256	10	62	38	489	504	468
No Response*	392						
Course Work or Experience							
Chinese	19	1	68	32	513	562	493
French	456	17	32	68	564	564	547
German	273	10	56	44	549	557	534
Greek	16	1	44	56	594	555	573
Hebrew	10	0	30	70	589	547	540
Italian	11	0	18	82	598	576	563
Japanese	29	1	52	48	562	574	550
Korean	6	0	50	50	505	560	482
Latin	125	5	37	63	605	577	575
Russian	19	1	58	42	543	561	552
Spanish	1,792	68	45	55	536	545	522
Other Languages	41	2	49	51	552	560	544
AP/Honors Courses	172	7	34	66	601	590	595

*'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

Arts and Music	Test-Takers		Percent by Gender		SAT Reasoning Test Mean Scores			
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	222	8	33	67	560	556	546	
4 Years	611	23	36	64	564	557	550	
3 Years	376	14	39	61	524	527	514	
2 Years	573	22	48	52	526	540	509	
1 Year	712	27	56	44	534	559	518	
1/2 Year or Less	130	5	67	33	509	513	489	
No Response*	400							
Course Work or Experience								
Acting or Play Production	597	24	38	62	560	548	543	
Art History or Appreciation	558	23	42	58	532	537	519	
Dance	230	9	13	87	545	537	540	
Drama: Study or Appreciation	398	16	34	66	554	543	537	
Music: Study or Appreciation	378	15	41	59	570	558	553	
Music Performance	1,362	56	40	60	549	552	535	
Photography or Film	472	19	43	57	542	540	526	
Studio Art and Design	628	26	43	57	548	552	529	
None	237	10	60	40	502	519	490	
AP/Honors Courses	150	6	38	62	586	588	573	
Computers								
Course Work or Experience	Test-Takers		Percent by Gender		SAT Reasoning Test Mean Scores			
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing	
Computer Literacy	1,836	71	46	54	541	548	526	
Computer Programming	409	16	60	40	543	559	520	
Word Processing	2,019	79	44	56	542	549	527	
Internet Activity	1,515	59	46	54	545	550	531	
Using Computer Graphics	938	36	47	53	548	556	532	
Creating Spreadsheets/Databases	1,172	46	46	54	544	555	531	
None	219	9	43	57	539	542	529	

*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
220	574	183	640	640	636

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	14	6
2	71	32
3	124	56
4 or More	11	5

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
English										
Writing*	10	645		8	649		654		625	
Literature	114	623	110	92	654	84	626	82	651	84
History and Social Studies										
U.S. History	114	604	113	92	652	81	632	86	637	90
World History	7	564		5	600		614		623	
Mathematics										
Mathematics Level 1	84	594	108	65	634	82	635	72	628	84
Mathematics Level 2	96	646	95	80	641	91	684	69	637	93
Science										
Biology-E	25	614	88	19	641		643		648	
Biology-M	26	658	90	26	639	68	658	77	653	74
Chemistry	46	612	102	38	640	87	680	77	649	86
Physics	10	640		9	634		683		625	
Foreign and Classical Languages										
Chinese/Listening	0			0						
French	9	581		9	629		636		651	
French/Listening	1			1						
German	2			2						
German/Listening	0			0						
Modern Hebrew	0			0						
Italian	1			1						
Japanese/Listening	1			1						
Korean/Listening	1			1						
Latin	0			0						
Spanish	22	568		20	629		635		635	
Spanish/Listening	5	572		5	688		710		702	

*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	1	10	12	11	14	12		
700–749	2	20	24	21	14	12	1	14
650–699	3	30	28	25	21	18	1	14
600–649			11	10	16	14		
550–599	3	30	15	13	16	14	1	14
500–549	1	10	6	5	7	6	2	29
450–499			9	8	14	12	1	14
400–449			3	3	9	8	1	14
350–399			4	4	2	2		
300–349			2	2	1	1		
250–299								
200–249								
Total	10		114		114		7	
Mean	645		623		604		564	
SD			110		113			
75th percentile			710		690			
50th percentile			650		620			
25th percentile			560		510			

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	5	6	15	16			5	19	6	13		
700–749	11	13	14	15	5	20	5	19	6	13	5	50
650–699	17	20	16	17	6	24	7	27	4	9		
600–649	12	14	26	27	5	20	4	15	12	26	1	10
550–599	11	13	12	13	4	16	1	4	7	15	2	20
500–549	13	15	9	9	2	8	2	8	5	11	2	20
450–499	8	10	3	3	2	8	1	4	3	7		
400–449	3	4					1	4	3	7		
350–399	2	2	1	1	1	4						
300–349	1	1										
250–299	1	1										
200–249												
Total	84		96		25		26		46		10	
Mean	594		646		614		658		612		640	
SD	108		95		88		90		102			
75th percentile	680		720		680		720		680			
50th percentile	600		630		610		660		600			
25th percentile	520		580		550		600		540			

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			1	11								
700–749												
650–699												
600–649			2	22								
550–599			4	44								
500–549					1	100						
450–499			1	11			1	50				
400–449			1	11			1	50				
350–399												
300–349												
250–299												
200–249												
Total	0		9		1		2		0		0	
Mean			581									
SD												
75th percentile												
50th percentile												
25th percentile												

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			1	100	1	100			1	5		
700–749	1	100									1	20
650–699									3	14		
600–649									4	18	1	20
550–599									5	23	1	20
500–549									3	14		
450–499									3	14	2	40
400–449									3	14		
350–399												
300–349												
250–299												
200–249												
Total	1		1		1		0		22		5	
Mean									568		572	
SD												
75th percentile									630			
50th percentile									560			
25th percentile									490			

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
Intended College Major					
Agriculture or Natural Resources	34	2	504	515	500
Architecture or Environmental Design	75	3	533	579	522
Arts: Visual and Performing	213	9	548	537	532
Biological Sciences	160	7	575	572	565
Business and Commerce	236	11	513	529	501
Communications	70	3	561	535	544
Computer or Information Sciences	79	4	548	574	508
Education	157	7	523	511	502
Engineering and Engineering Technologies	254	11	549	601	521
Foreign or Classical Languages	27	1	607	563	602
General or Interdisciplinary Studies	14	1	562	566	577
Health and Allied Services	411	18	519	532	516
Home Economics	10	0	486	506	524
Language and Literature	47	2	623	544	590
Library and Archival Sciences					
Mathematics	31	1	559	623	553
Military Sciences	11	0	504	550	479
Philosophy, Religion, or Theology	17	1	560	547	541
Physical Sciences	41	2	587	606	577
Public Affairs and Services	49	2	496	487	490
Social Sciences and History	210	9	562	537	546
Technical and Vocational	38	2	469	473	442
Undecided	63	3	520	553	498
Degree-Level Goal					
Certificate Program	33	1	473	440	454
Associate Degree	31	1	461	475	450
Bachelor's Degree	822	30	514	526	499
Master's Degree	740	27	545	554	530
Doctoral or Related Degree	520	19	571	577	560
Other	15	1	472	454	461
Undecided	587	21	544	549	526
Plans for Advanced Standing in College Courses					
Art	81	3	521	518	518
Biology	278	11	584	581	569
Chemistry	212	9	594	607	577
Computer Science	60	2	535	571	512
English	743	30	596	582	579
Foreign Languages	274	11	592	597	584
Humanities	46	2	574	552	555
Mathematics	607	25	581	618	565
Music	124	5	549	557	535
Physics	118	5	602	637	591
Social Studies	491	20	606	595	590
None of These	1,057	43	504	512	490

College Plans

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

Of the 3,061 students from your state who participated in the SAT Program, 2,367 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 1,035 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
MONTANA STATE UNIVERSITY	MT	Public	1,117	47.2
UNIVERSITY OF MONTANA	MT	Public	1,018	43.0
CARROLL COLLEGE MONTANA	MT	Private	273	11.5
GONZAGA UNIVERSITY	WA	Private	216	9.1
UNIVERSITY OF WASHINGTON SEATTLE	WA	Public	212	9.0
MONTANA STATE UNIVERSITY BILLINGS	MT	Public	202	8.5
MONTANA TECH OF UNIVERSITY MONTANA	MT	Public	192	8.1
WASHINGTON STATE UNIVERSITY	WA	Public	137	5.8
UNIV OREGON	OR	Public	99	4.2
OREGON STATE UNIVERSITY	OR	Public	94	4.0
WESTERN WASHINGTON UNIVERSITY	WA	Public	91	3.8
UNIVERSITY OF MONTANA WESTERN	MT	Public	89	3.8
UNIVERSITY OF COLORADO BOULDER	CO	Public	85	3.6
SEATTLE UNIVERSITY	WA	Private	84	3.5
NATIONAL MERIT SCHOLARSHIP PROGRAM	IL	Scholarship	83	3.5
EASTERN WASHINGTON UNIVERSITY	WA	Public	81	3.4
STANFORD UNIVERSITY	CA	Private	77	3.3
FLATHEAD VALLEY COMMUNITY COLLEGE	MT	Public	77	3.3
UNIVERSITY OF PUGET SOUND	WA	Private	71	3.0
ROCKY MOUNTAIN COLLEGE	MT	Private	70	3.0
UNIVERSITY OF IDAHO	ID	Public	69	2.9
WHITWORTH COLLEGE	WA	Private	60	2.5
ARIZONA STATE UNIVERSITY TEMPE	AZ	Public	60	2.5
HARVARD UNDERGRADUATE ADMISSIONS	MA	Private	58	2.5
NCAA INITIAL ELIG CLEARINGHSE	IA	Scholarship	55	2.3
PORTLAND STATE UNIVERSITY	OR	Public	53	2.2
PACIFIC LUTHERAN UNIVERSITY	WA	Private	52	2.2
UNIVERSITY OF SOUTHERN CALIFORNIA	CA	Private	50	2.1
LEWIS AND CLARK COLLEGE	OR	Private	50	2.1
WILLAMETTE UNIVERSITY	OR	Private	47	2.0
WHITMAN COLLEGE	WA	Private	46	1.9
UNIVERSITY OF PORTLAND	OR	Private	46	1.9
NEWYORK UNIVERSITY	NY	Private	46	1.9
BOSTON UNIVERSITY	MA	Private	43	1.8
SEATTLE PACIFIC UNIVERSITY	WA	Private	43	1.8
CONCORDIA COLLEGE MOORHEAD MN	MN	Private	43	1.8
UNIVERSITY OF CALIFORNIA BERKELEY	CA	Public	41	1.7
PRINCETON UNIVERSITY	NJ	Private	40	1.7
COLLEGE OF TECHNOLOGY UNIVERSITY OF MONT	MT	Public	40	1.7
MONTANA STATE UNIVERSITY NORTHERN	MT	Public	39	1.6
YALE UNIVERSITY	CT	Private	37	1.6
NORTHWESTERN UNIVERSITY	IL	Private	36	1.5
BOISE STATE UNIVERSITY	ID	Public	36	1.5
BROWN UNIVERSITY	RI	Private	36	1.5
MONTANA STATE U CLG TEC GR FLS	MT	Public	36	1.5

*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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