

2019

SAT Suite of Assessments Annual Report

SAT

PSAT/NMSQT

PSAT'10

PSAT⁸/9

West Virginia

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About This Report

This report presents data on students in the class of 2019 who took the current SAT® during high school, as well as takers of PSAT-related assessments—the PSAT/NMSQT®, PSAT $^{\text{TM}}$ 10, and PSAT $^{\text{TM}}$ 8/9—during the 2018-19 school year.

Within each assessment, test takers are counted only once and only their latest scores and most recent demographic responses are summarized. Most students supply optional demographic information when they register for or take tests in the SAT Suite of Assessments, which provides valuable contextual information to aid in interpreting and understanding individual and group scores.

Score Ranges

Here are the ranges for reported scores for the Evidence-Based Reading and Writing (ERW) and Math sections of each assessment in the SAT Suite:

SAT sections: 200–800

PSAT/NMSQT and PSAT 10 sections: 160–760

PSAT 8/9 sections: 120–720

Race/Ethnicity Data Collection and Reporting

In June 2015, the College Board aligned its collection and reporting of race/ethnicity categories with U.S. Department of Education guidelines. In addition, while previous SAT cohort assignment reflected self-reported information collected during SAT or SAT Subject Test registration only, it now leverages the most recent information from the SAT, PSAT-related assessment, or AP programs in an effort to more closely align with school, district, and state data systems. For these reasons, we advise caution when comparing data points in this report to those in previous reports.

Caveat on Using the Data

Relationships between test scores and other background or contextual factors are complex and interdependent. Caution is warranted when using scores to compare or evaluate teachers, schools, districts, or states, because of differences in participation and test taker populations.

Statistical Definitions

Mean score: The mean score is the arithmetic average of a defined set of test scores. Mean score statistics are reported here if there are ten or more students in a group or subgroup. Due to rounding, the mean section scores (ERW and Math) may not add up to the Total score.

Scaled score: A scaled score is the result of adjusting a raw score (the number of questions answered correctly) in ways that ensure that results across different test forms are comparable. The scores shown here and reported to educators, students, and institutions are scaled scores.

Standard deviation (SD): The standard deviation 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 more widely dispersed distribution of scores.

College and Career Readiness Benchmarks

Each assessment in the SAT Suite has an associated set of metrics called the College and Career Readiness Benchmarks.

- The SAT Math benchmark is the section score associated with a 75% chance of earning at least a C in first-semester, credit-bearing, college-level courses in algebra, statistics, precalculus, or calculus.
- The SAT Evidence-Based Reading and Writing (ERW) benchmark is associated with a 75% chance of earning at least a C in first-semester, credit-bearing, college-level courses in history, literature, social science, or writing.

The grade-level benchmark scores for PSAT-related assessments are based on expected student growth toward the SAT benchmarks at each grade. While SAT benchmarks indicate likelihood of success in college, grade-level benchmarks indicate whether a student is on track for college and career readiness for their grade. The benchmarks are set to reflect typical annual growth from year to year from 8th through 12th grades.

Assessment/ Grade level	ERW Section Score	Math Section Score
SAT	480	530
Grade 11	460	510
Grade 10	430	480
Grade 9	410	450
Grade 8	390	430

The current SAT Suite benchmark outcomes should not be compared against results from the old SAT or PSAT/NMSQT, as the score scale and benchmark definitions have changed.

Benchmark statistics are reported if there are ten or more students in a group or subgroup.

About the College Board

The College Board is a mission-driven not-for-profit organization that connects students to college success and opportunity. Founded in 1900, the College Board was created to expand access to higher education. Today, the membership association is made up of over 6,000 of the world's leading educational institutions and is dedicated to promoting excellence and equity in education. Each year, the College Board helps more than seven million students prepare for a successful transition to college through programs and services in college readiness and college success—including the SAT® and the Advanced Placement Program® (AP®). The organization also serves the education community through research and advocacy on behalf of students, educators and schools. For further information, visit www.collegeboard.org.

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SAT Suite Participation Summary

The SAT Suite of Assessments — the SAT (grades 12 and 11), PSAT/NMSQT and PSAT 10 (grades 11 and 10), and PSAT 8/9 (grades 9 and 8) — measures a student's college and career readiness. Together, these assessments provide a comprehensive solution that systematically and progressively measures the knowledge, skills, and understandings essential for success in college and career.

38,313 test takers completed the SAT or a PSAT-related assessment (PSAT/NMSQT, PSAT 10, or PSAT 8/9) in the 2018-19 school year.

Class of 2019

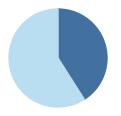
SAT Takers ¹	17,298
High School Graduates ²	17,446
SAT Participation Rate	99%



99% of graduates in the class of 2019 took the SAT during high school

Class of 2020

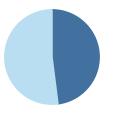
PSAT/NMSQT Takers³	7,837
11th-Grade Enrollment ²	19,038
Participation Rate	41%



41% of 11th graders took the PSAT/NMSQT last fall

Class of 2021

PSAT/NMSQT or PSAT 10 Takers ³	9,833
10th-Grade Enrollment ²	20,374
Participation Rate	48%



48% of 10th graders took the PSAT/NMSQT or PSAT 10 in 2018-19

Class of 2022

PSAT 8/9 Takers³	7,336
9th-Grade Enrollment ²	22,798
Participation Rate	32%



32% of 9th graders took the PSAT 8/9 in 2018-19

Class of 2023

PSAT 8/9 Takers ³	1,043
8th-Grade Enrollment ²	20,784
Participation Rate	5%



5% of 8th graders took the PSAT 8/9 in 2018-19

¹ Reflects 2019 high school graduates who took the current SAT during high school.

² Knocking at the College Door, WICHE, December 2016.

³ PSAT-related assessment data reflect students who tested during the 2018-19 school year.



SAT Participation and Performance

Data reflect 2019 high school graduates who took the current SAT during high school. If a student took the SAT more than once, the most recent score is summarized.

Total	Te	st Takers		Mean Score			Met Benchmarks			
	Number	Percent	Total	ERW	Math	Both	ERW	Math	None	
Total	17,298		943	483	460	21%	48%	23%	50%	
Took Essay ¹	16,563	96%	947	485	462	22%	49%	23%	49%	
Race / Ethnicity	Te	st Takers		Mean Sco	re		Met Ben	chmarks		
	Number	Percent	Total	ERW	Math	Both	ERW	Math	None	
American Indian/Alaska Native	231	1%	822	421	401	4%	19%	5%	80%	
Asian	192	1%	1088	533	555	49%	64%	57%	29%	
Black/African American	728	4%	866	441	424	9%	27%	11%	71%	
Hispanic/Latino	438	3%	948	486	462	24%	52%	24%	48%	
Native Hawaiian/Other Pacific Islander	16	0%	856	439	416	6%	25%	6%	75%	
White	14,903	86%	946	485	462	22%	49%	23%	49%	
Two or More Races	536	3%	967	498	469	23%	57%	24%	43%	
No Response	254	1%	909	468	441	14%	42%	16%	56%	
Sex	To	st Takers		Mean Sco	70		Mot Bon	chmarks		
	Number	Percent	Total	ERW	Math	Both	ERW	Math	None	
Female	8,681	50%	952	492	460	21%	52%	22%	46%	
Male	8,599	50%	934	474	460	22%	44%	24%	54%	
No Response	18	0%	847	427	420	0%	11%	6%	83%	
First Language Learned	Tο	st Takers		Mean Scor	ro		Met Ren	chmarks		
	Number	Percent	Total	ERW	Math	Both	ERW	Math	Non	
English Only	10,927	63%	975	500	475	26%	56%	28%	439	
English and Another Language	388	2%	972	492	480	26%	50%	28%	489	
Another Language	172	1%	1003	499	504	34%	56%	40%	389	
No Response	5,811	34%	879	450	429	11%	34%	13%	659	
Highest Level of Parental Education	Test Takers		Mean Score			Met Benchmarks				
riighest Level of Farental Ludcation	Number	Percent	Total	ERW	Math	Both	ERW	Math	None	
No High School Diploma	598	3%	850	435	414	7%	23%	8%	76%	
High School Diploma	5,209	30%	930	477	453	17%	46%	19%	52%	
Associate Degree	1,172	7%	975	500	474	25%	58%	27%	41%	
Bachelor's Degree	3,528	20%	1031	528	503	36%	71%	38%	27%	
Graduate Degree	1,722	10%	1092	559	534	50%	71%	51%	20%	
No Response	5,069	29%	848	433	415	6%	25%	7%	74%	
·										
SAT Fee Waiver ²		st Takers	.	Mean Sco		Б."		chmarks		
	Number	Percent	Total	ERW	Math	Both	ERW	Math	None	
Used at any point Did not use	431 16,867	2% 98%	1020 941	525 482	494 459	30% 21%	70% 48%	32% 23%	28% 51%	

¹ Reflects the most recent essay of test takers who completed the SAT Essay at any point, not necessarily on the most recent test administration date.

² Reflects students who used a fee waiver for an SAT or Subject Test registration at any point. Caution is warranted if using fee waiver usage to estimate participation and performance for low-income students. For example, fee-waiver usage will likely understate low-income participation in locations in which students participate in SAT School Day under a district or state contract.



SAT Participation and Performance: Score Distributions

Data reflect 2019 high school graduates who took the current SAT during high school. If a student took the SAT more than once, the most recent score is summarized.

Total and Section Scores

	Total Score			ERW		Math	
1400–1600	200		700–800	312		235	
1200-1390	1,273	7%	600–690	1,987	11%	1,009	6%
1000–1190	4,709	27%	500-590	4,791	28%	4,693	27%
800–990	7,170	41%	400–490	6,900	40%	6,724	39%
600–790	3,915	23%	300–390	3,268	19%	4,431	26%
400–590	31		200–290	40		206	
Mean	943		Mean	483		460	
SD	174		SD	93		92	

Cross-Test Scores

	Analysis in History/Social Studies	Analysis in Science
35–40	339	363
30–34	2,097	2,723
25–29	5,185	4,935
20–24	6,478	6,705
15–19	2,927	2,482
10–14	272	90
Mean	24	25
SD	5	5

Test Scores

	Reading	Writing and Language	Math
35–40	397	373	235
30–34.5	2,368	2,237	1,009
25–29.5	5,038	4,846	4,693
20–24.5	7,166	6,368	6,724
15–19.5	2,279	3,320	4,431
10–14.5	50	154	206
Mean	24	24	23
SD	5	5	5

Subscores

	Words in Context	Command of Evidence	Expression of Ideas	Standard English Conventions	Heart of Algebra	Problem Solving and Data Analysis	Passport to Advanced Mathematics
13–15	886	733	706	748	409	695	478
10–12	4,675	3,277	4,145	2,608	1,893	2,791	1,746
7–9	6,863	6,834	6,487	5,305	6,989	6,551	7,843
4–6	3,141	6,312	5,300	6,667	6,986	4,828	6,477
1–3	1,733	142	660	1,970	1,021	2,433	754
Mean	8	8	8	7	7	7	7
SD	3	2	3	3	2	3	2

Essay¹

	8	7	6	5	4	3	2	Mean	SD
Reading	26	200	1,699	2,526	4,381	3,564	4,167	4	1
Analysis	4	61	343	1,057	3,037	2,838	9,223	3	1
Writing	58	387	3,553	3,212	5,494	1,988	1,871	4	1

¹ Reflects the most recent essay of test takers who completed the SAT Essay at any point, not necessarily on the most recent test administration date.



SAT Participation and Performance: Score Distributions by Subgroup

Data reflect 2019 high school graduates who took the current SAT during high school. If a student took the SAT more than once, the most recent score is summarized.

ost recent score is	Total Students	Female	Male	American Indian	Asian	African American	Hispanic	Native Hawaiian	White	Two of More Races
Test Takers	17,298	8,681	8,599	231	192	728	438	16	14,903	536
Total Score										
1400–1600	1%	1%	1%	0%	12%	0%	1%	0%	1%	2%
1200-1390	7%	7%	8%	1%	19%	3%	8%	0%	8%	7%
1000–1190	27%	29%	26%	6%	31%	14%	28%	19%	28%	31%
800–990	41%	44%	39%	46%	27%	46%	42%	38%	41%	43%
600–790	23%	19%	27%	46%	11%	37%	22%	44%	22%	17%
400–590	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%
Section Scores	- ERW									
700–800	2%	2%	2%	0%	9%	0%	1%	0%	2%	3%
600–690	11%	12%	11%	1%	22%	4%	14%	6%	12%	13%
500–590	28%	30%	25%	10%	27%	16%	30%	13%	28%	34%
400–490	40%	41%	38%	48%	28%	50%	36%	44%	40%	37%
300–390	19%	14%	24%	39%	14%	28%	19%	38%	18%	14%
200–290	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%
600–690 (30–34.5) 500–590 (25–29.5)		5% 27%	7% 27%	0% 7%	16% 36%	3% 16%	5% 26%	0% 19%	6% 28%	6% 30%
700–800 (35–40)	1%	1%	2%	0%	17%	0%	2%	0%	1%	2%
500-590 (25-29.5)	27%	27%	27%	7%	36%	16%	26%	19%	28%	30%
400-490 (20-24.5)	39%	41%	36%	43%	20%	39%	42%	31%	39%	39%
300–390 (15–19.5)	26%	24%	27%	47%	9%	40%	24%	44%	25%	22%
200–290 (10–14.5)	1%	1%	2%	2%	2%	2%	1%	6%	1%	1%
Test Scores - Re	eading									
35–40	2%	2%	2%	1%	9%	1%	2%	0%	2%	4%
30–34	14%	14%	13%	0%	22%	5%	18%	6%	14%	16%
25–29	29%	32%	26%	16%	29%	20%	28%	19%	30%	35%
20–24	41%	41%	42%	58%	30%	53%	40%	50%	41%	35%
15–19	13%	11%	16%	25%	11%	20%	12%	25%	13%	10%
10–14	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%
Test Scores - W				00/	440/	00/	00/	00/	20/	20/
35–40	2%	2%	2%	0%	11%	0%	2%	0%	2%	3%
30–34	13%	14%	12%	3%	26%	4%	13%	6%	13%	15%
25–29	28%	31%	26%	11%	24%	17%	30%	19%	29%	31%
20–24	37%	38%	36%	46%	26%	48%	35%	38%	36%	36%
15–19	19%	15%	24%	38%	14%	29%	19%	31%	19%	14%
10–14	1%	0%	1%	3%	0%	1%	1%	6%	1%	19

¹ The Math test score is found by dividing the Math section score by 20.



SAT Participation and Performance: Intended College Major and Degree-Level Goal

Data reflect 2019 high school graduates who took the current SAT during high school. If a student took the SAT more than once, the most recent score is summarized.

				Mean Score	
Intended College Major	Test Takers	Percent	Total	ERW	Math
Agriculture, Agriculture Operations, and Related Sciences	232	2%	906	463	443
Architecture and Related Services	113	1%	982	495	488
Area, Ethnic, Cultural, and Gender Studies	11	0%	943	486	456
Biological and Biomedical Sciences	744	8%	1060	543	517
Business, Management, Marketing, and Related Support Services	696	7%	981	500	481
Communication, Journalism, and Related Programs	131	1%	1000	523	477
Computer and Information Sciences and Support Services	321	3%	1044	535	509
Construction Trades, General	55	1%	818	409	410
Education	585	6%	945	489	456
Engineering	966	10%	1033	517	516
Engineering Technologies/Technicians	142	1%	962	486	476
English Language and Literature/Letters	98	1%	1005	537	467
Family and Consumer Sciences/Human Sciences	75	1%	838	429	409
Foreign Languages and Literatures, General	43	0%	1033	547	487
Health Professions and Related Clinical Sciences	2,665	28%	986	505	480
History, General	66	1%	988	517	470
Legal Studies, General	180	2%	1040	537	503
Liberal Arts and Sciences, General Studies and Humanities	23	0%	1075	569	506
Library Science/Librarianship	3	0%			
Mathematics and Statistics	46	0%	1177	572	605
Mechanic and Repair Technologies/Technicians	93	1%	863	440	423
Military Technologies	44	0%	880	444	435
Multi/Interdisciplinary Studies	13	0%	982	502	479
Natural Resources and Conservation	84	1%	952	487	465
Parks, Recreation and Leisure Studies	69	1%	890	449	441
Personal And Culinary Services, General	96	1%	887	455	431
Philosophy and Religious Studies	15	0%	1031	533	497
Physical Sciences	119	1%	1111	560	552
Precision Production	5	0%			
Psychology, General	325	3%	1011	531	480
Public Administration and Social Service Professions	58	1%	938	484	454
Security and Protective Services	382	4%	945	485	460
Social Sciences	124	1%	1030	536	494
Theology and Religious Vocations	9	0%			
Transportation and Materials Moving	9	0%			
Visual and Performing Arts, General	475	5%	1001	521	479
Other	129	1%	942	478	464
Undecided	341	4%	1015	521	494
Degree-Level Goal					
Certificate Program	425	5%	861	436	425
Associate Degree	368	4%	846	431	415
Bachelor's Degree	2,105	25%	960	491	470
Master's Degree	1,931	23%	995	510	485
Doctoral or Related Degree	1,535	18%	1050	538	512
Other	130	2%	802	413	389
Undecided	1,925	23%	890	413	434
Onucoucu	1,920	2370	090	400	404



SAT Score Sending: Institutions That Received the Most SAT Score Reports from West Virginia

Of the 17,298 students from West Virginia who took the SAT, 13,525 designated that their score reports be sent to institutions. Students may designate more than one institution to receive scores. This list includes only the institutions that received the most score reports. A total of 2,241 institutions received score reports from West Virginia students.

Institution Marshall University	State WV	Type Public College	Number of Students 5,433	% of Score Senders ¹ 40.2%
West Virginia University	WV	Public College	4,927	36.4%
West Virginia State University	WV	Public College	3,978	29.4%
Fairmont State University	WV	Public College	2,789	20.6%
Shepherd University	WV	Public College	1,297	9.6%
Concord University	WV	Public College	1,272	9.4%
Glenville State College	WV	Public College	1,039	7.7%
West Liberty University	WV	Public College	986	7.3%
West Virginia Wesleyan College	WV	Private College	948	7.0%
University of Charleston	WV	Private College	804	5.9%
PROMISE Scholarship	WV	NO ANSWER	764	5.6%
West Virginia University Institute of Technology	WV	Public College	656	4.9%
Potomac State College of West Virginia University	WV	Public College	632	4.7%
Bluefield State College	WV	Public College	573	4.2%
Alderson-Broaddus University	WV	Private College	528	3.9%
Blue Ridge Community and Technical College	WV	Public College	525	3.9%
BridgeValley Community and Technical College	WV	Public College	516	3.8%
Southern West Virginia Comm & Tech College	WV	Public College	470	3.5%
West Virginia University at Parkersburg	WV	Public College	426	3.1%
Davis and Elkins College	WV	Private College	415	3.1%
Ohio State University: Columbus Campus	OH	Public College	410	3.0%
University of Kentucky	KY	Public College	388	2.9%
Pierpont Community and Technical College	WV	Public College	376	2.8%
NCAA Eligibility Center	IN	Public College	353	2.6%
Wheeling Jesuit University	WV	Private College	334	2.5%
Mountwest Community And Technical College	WV	Public College	310	2.3%
New River Community and Technical College	WV	Public College	293	2.2%
Penn State University Park	PA	Public College	269	2.0%
Greater Kanawha Valley Foundation Scholarship	WV	NO ANSWER	252	1.9%
Duke University	NC	Private College	250	1.8%
West Virginia Junior College	WV	Private College	250	1.8%
Ohio State University Agricultural Technical Inst	OH	Public College	242	1.8%
Florida State University	FL	Public College	233	1.7%
West Virginia Northern Community College	WV	Public College	232	1.7%
University of Virginia	VA	Public College	229	1.7%
Virginia Tech	VA	Public College	211	1.6%
Bethany College	WV	Private College	208	1.5%
University of North Carolina at Chapel Hill	NC	Public College	206	1.5%
Ohio Valley University	WV	Private College	201	1.5%
University of Pittsburgh	PA	Public College	195	1.4%
New York University	NY	Private College	183	1.4%
Coastal Carolina University	SC	Public College	175	1.3%
Ohio University	OH	Public College	174	1.3%
Liberty University	VA	Private College	160	1.2%
West Virginia Junior College: Charleston	WV	Private College	152	1.1%
Trock Triginia danior donogo. Orianostori	***	1 Hvate College	102	1.170

¹ Of students who designated that their SAT 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.



PSAT/NMSQT and **PSAT 10** Participation and Performance

Total	Test Taker	'S	Mean Scor	е
	Number	Total	ERW	Math
Total	17,963	920	472	448
PSAT/NMSQT	14,193	935	479	456
PSAT 10	3,959	872	447	425

Sex	Te	st Takers	1	Mean Scor	e e
	Number	Percent	Total	ERW	Math
Female	9,356	52%	933	484	449
Male	8,518	47%	908	459	448
No Response	89	0%	818	406	411

Grade Level	Te	st Takers		Mean Scor	re		Met Bei	nchmarks¹	
	Number	Percent	Total	ERW	Math	Both	ERW	Math	None
10th Grade	9,833	55%	892	457	435	28%	59%	29%	39%
11th Grade	7,848	44%	956	491	465	29%	64%	30%	35%
Other/No Response	282	2%	921	470	451				

Race/Ethnicity	Te	st Takers	1	Mean Scor	e
Total	Number	Percent	Total	ERW	Math
American Indian/Alaska Native	386	2%	799	403	396
Asian	287	2%	1061	525	537
Black/African American	739	4%	830	423	407
Hispanic/Latino	643	4%	870	447	424
Native Hawaiian/Other Pacific Islander	25	0%	874	438	435
White	13,676	76%	939	482	457
Two or More Races	738	4%	929	478	451
No Response	1,469	8%	815	415	400

	Te	st Takers		Mean Scor	е		Met Be	nchmarks	ı
10th Grade	Number	Percent	Total	ERW	Math	Both	ERW	Math	None
American Indian/Alaska Native	287	3%	790	397	393	7%	30%	9%	68%
Asian	140	1%	1011	502	509	55%	69%	61%	25%
Black/African American	350	4%	811	414	397	11%	39%	12%	59%
Hispanic/Latino	412	4%	842	430	413	19%	46%	21%	53%
Native Hawaiian/Other Pacific Islander	14	0%	847	417	430	21%	21%	21%	79%
White	6,908	70%	916	470	445	33%	66%	34%	33%
Two or More Races	424	4%	902	463	439	30%	63%	32%	35%
No Response	1,298	13%	808	411	397	10%	38%	11%	61%

	Tes	t Takers		Mean Scor	re		Met Bei	nchmarks	I
11th Grade	Number	Percent	Total	ERW	Math	Both	ERW	Math	None
American Indian/Alaska Native	95	1%	823	421	402	6%	32%	7%	67%
Asian	143	2%	1108	545	563	64%	82%	68%	14%
Black/African American	376	5%	847	432	415	11%	38%	12%	61%
Hispanic/Latino	220	3%	921	478	444	20%	57%	21%	43%
Native Hawaiian/Other Pacific Islander	11	0%	907	465	442	9%	64%	9%	36%
White	6,576	84%	963	495	468	30%	66%	31%	33%
Two or More Races	308	4%	967	500	467	31%	67%	31%	32%
No Response	119	2%	881	453	428	15%	46%	15%	54%

¹ Based on grade-level benchmarks.



PSAT/NMSQT and **PSAT 10** Participation and Performance

First Language Learned	Te	st Takers		Mean Sco	re		Met Be	enchmarks	1
10th Grade	Number	Percent	Total	ERW	Math	Both	ERW	Math	None
English Only	8,011	81%	906	465	441	31%	63%	32%	35%
English and Another Language	456	5%	878	446	433	25%	53%	28%	44%
Another Language	67	1%	927	451	477	39%	54%	48%	37%
No Response	1,299	13%	806	411	395	10%	37%	10%	62%
	Te	st Takers		Mean Sco	re		Met Be	enchmarks	;1
11th Grade	Number	Percent	Total	ERW	Math	Both	ERW	Math	None
English Only	7,141	91%	963	495	468	30%	66%	30%	33%
English and Another Language	369	5%	930	474	456	25%	56%	25%	44%
Another Language	93	1%	986	483	502	37%	52%	46%	39%
No Response	245	3%	784	399	384	4%	23%	5%	76%
Highest Level of Parental Educa	ation Te	st Takers		Mean Sco	re			enchmarks	1
10th Grade	Number	Percent	Total	ERW	Math	Both	ERW	Math	None
No High School Diploma	464	5%	788	399	388	7%	30%	8%	69%
High School Diploma	3,336	34%	860	441	419	20%	54%	21%	45%
Associate Degree	723	7%	903	464	439	27%	65%	29%	33%
Bachelor's Degree	2,390	24%	951	488	463	41%	74%	42%	24%
Graduate Degree	1,247	13%	995	513	482	51%	79%	53%	19%
No Response	1,673	17%	819	416	403	14%	40%	15%	59%
	Те	st Takers		Mean Sco	re		Met Be	enchmarks	1
11th Grade	Number	Percent	Total	ERW	Math	Both	ERW	Math	None
No High School Diploma	324	4%	821	422	399	7%	33%	8%	67%
High School Diploma	2,938	37%	905	464	440	17%	53%	18%	46%
Associate Degree	664	8%	951	490	461	25%	64%	25%	35%
Bachelor's Degree	2,290	29%	1009	519	490	39%	77%	40%	22%
Graduate Degree	1,233	16%	1066	546	519	52%	82%	53%	17%
No Response	399	5%	810	414	397	6%	31%	7%	68%
High School Grade Point Avera		st Takers		Mean Sco	_			enchmarks	1
10th Grade	Number	Percent	Total	ERW	Math	Both	ERW	Math	None
A+ (97–100)	1,189	12%	1041	536	505	64%	88%	65%	11%
A (93–96)	2,551	26%	959	494	464	43%	78%	44%	21%
A- (90–92)	1,425	14%	900	461	439	28%	66%	31%	31%
B (80–89)	2,245	23%	839	428	411	12%	47%	14%	51%
C (70–79)	930	9%	778	394	384	4%	29%	5%	70%
D, E, or F (below 70)	174	2%	749	377	372	2%	18%	4%	80%
No Response	1,319	13%	808	412	396	10%	38%	11%	61%
		st Takers		Mean Sco				enchmarks	
11th Grade	Number	Percent	Total	ERW	Math	Both	ERW	Math	None
A+ (97–100)	1,157	15%	1095	563	533	60%	88%	61%	11%
A (93–96)	2,253	29%	1017	523	494	40%	79%	41%	20%
A- (90–92)	1,323	17%	950	489	461	25%	67%	26%	329
B (80–89)	2,018	26%	892	457	435	13%	50%	14%	49%
C (70–79)	745	9%	821	419	402	6%	30%	6%	70%
D, E, or F (below 70)	70	1%	758	385	373	0%	17%	1%	81%
No Response	282	4%	794	405	389	5%	25%	6%	74%
<u> </u>									

¹ Based on grade-level benchmarks.



PSAT/NMSQT and PSAT 10 Participation and Performance: Score Distributions by Subgroup - 11th Grade

	Total Students	Female	Male	American Indian	Asian	African American	Hispanic	Native Hawaiian	White	Two or More Races
Test Takers	7,848	4,145	3,696	95	143	376	220	11	6,576	308
Γotal Score										
1400–1520	1%	1%	1%	0%	11%	0%	0%	0%	1%	0%
1200–1390	9%	8%	9%	1%	20%	2%	7%	0%	9%	10%
1000–1190	30%	31%	29%	11%	42%	16%	26%	18%	31%	31%
800–990	41%	44%	36%	43%	23%	38%	39%	73%	41%	41%
600–790	19%	15%	23%	42%	4%	42%	25%	9%	17%	18%
320–590	1%	0%	1%	3%	0%	2%	2%	0%	1%	0%
Section Scores	- ERW									
700–760	2%	2%	2%	0%	7%	0%	1%	0%	2%	2%
600–690	13%	14%	13%	4%	30%	4%	12%	0%	14%	17%
500–590	33%	36%	30%	19%	31%	21%	30%	36%	34%	31%
400–490	32%	34%	30%	35%	23%	33%	32%	36%	32%	33%
300–390	19%	14%	24%	41%	8%	41%	24%	27%	17%	16%
160–290	0%	0%	1%	1%	0%	1%	1%	0%	0%	0%
700–760 (35–38) 600–690 (30–34.5)		1% 6%	2% 8%	0% 2%	17% 20%	0% 1%	0% 6%	0%	1% 7%	0% 8%
` ′										
500-590 (25-29.5)	25%	24%	25%	7%	34%	13%	17%	18%	26%	26%
400–490 (20–24.5)	46%	50%	41%	43%	25%	48%	45%	55%	46%	45%
300-390 (15-19.5)	19%	18%	20%	42%	4%	32%	26%	27%	18%	18%
160–290 (8–14.5)	2%	2%	3%	5%	1%	7%	5%	0%	2%	2%
Test Scores - Re	eading									
35–38	3%	3%	3%	0%	6%	1%	2%	0%	3%	3%
30–34	15%	15%	15%	3%	30%	7%	15%	9%	15%	18%
25–29	37%	40%	35%	26%	40%	22%	34%	27%	39%	38%
20–24	29%	30%	28%	36%	19%	38%	26%	55%	28%	27%
15–19	15%	12%	20%	35%	5%	32%	22%	9%	14%	14%
8–14	0%	0%	1%	0%	1%	1%	0%	0%	0%	0%
Test Scores - W							401	001	001	
35–38	3%	3%	2%	0%	9%	0%	1%	0%	3%	3%
30–34	15%	16%	14%	1%	31%	6%	13%	9%	15%	19%
25–29	31%	34%	27%	21%	28%	19%	31%	36%	32%	29%
20–24	29%	30%	28%	27%	20%	30%	24%	27%	29%	29%
15–19	20%	16%	25%	47%	11%	39%	28%	27%	18%	19%
8–14	2%	1%	4%	3%	1%	6%	2%	0%	2%	2%

¹ The Math test score is found by dividing the Math section score by 20.



PSAT/NMSQT and PSAT 10 Participation and Performance: Score Distributions by Subgroup - 10th Grade

	Total Students	Female	Male	American Indian	Asian	African American	Hispanic	Native Hawaiian	White	Two or More Races
Test Takers	9,833	5,090	4,702	287	140	350	412	14	6,908	424
Total Score										
1400–1520	0%	0%	0%	0%	5%	0%	0%	7%	0%	1%
1200–1390	4%	3%	4%	0%	16%	0%	2%	0%	4%	3%
1000–1190	22%	24%	20%	6%	31%	11%	17%	14%	26%	23%
800–990	43%	48%	38%	39%	31%	41%	35%	29%	44%	46%
600–790	30%	24%	36%	52%	16%	47%	44%	50%	24%	27%
320–590	1%	1%	2%	3%	0%	1%	2%	0%	1%	1%
Section Scores	- ERW									
700–760	1%	1%	0%	0%	6%	0%	0%	7%	1%	1%
600–690	8%	8%	7%	1%	14%	2%	4%	0%	9%	7%
500–590	26%	30%	22%	8%	29%	14%	22%	14%	30%	27%
400–490	35%	38%	32%	37%	26%	36%	30%	21%	36%	39%
300–390	29%	22%	37%	52%	24%	45%	42%	57%	23%	26%
160–290	1%	1%	1%	2%	0%	2%	2%	0%	1%	0%
700–760 (35–38) 600–690 (30–34.5)		0% 2%	1% 4%	0% 0%	10% 12%	0% 0%	0% 1%	0% 7%	1% 3%	1% 2%
600-690 (30-34.5)	3%	2%	4%	0%	12%	0%	1%	7%	3%	2%
500–590 (25–29.5)	'	17%	16%	4%	29%	7%	12%	7%	20%	19%
400–490 (20–24.5)		52%	44%	42%	33%	44%	42%	64%	50%	49%
300–390 (15–19.5)		27%	32%	48%	14%	43%	38%	21%	25%	27%
160–290 (8–14.5) Test Scores - R	3%	2%	4%	5%	2%	7%	6%	0%	2%	2%
35–38	1%	1%	1%	0%	9%	0%	0%	7%	1%	1%
30–34	9%	9%	8%	2%	11%	3%	5%	14%	11%	8%
25–29	31%	35%	26%	11%	37%	20%	26%	0%	34%	33%
20–24	35%	36%	34%	42%	22%	35%	32%	21%	34%	39%
15–19	24%	18%	30%	42%	20%	39%	35%	57%	19%	19%
8–14	1%	0%	1%	2%	1%	2%	1%	0%	0%	0%
		- 1	.,,		,,				.,,	2,0
Test Scores - W	riting and	Language	9							
35–38	1%	1%	1%	0%	7%	0%	0%	7%	1%	1%
30–34	9%	10%	8%	2%	21%	3%	5%	0%	11%	10%
25–29	26%	30%	21%	8%	23%	15%	21%	14%	29%	27%
20–24	32%	34%	29%	30%	25%	34%	27%	21%	32%	33%
15–19	29%	22%	36%	50%	22%	41%	40%	43%	24%	27%
8–14	4%	2%	6%	10%	2%	7%	7%	14%	3%	2%

¹ The Math test score is found by dividing the Math section score by 20.



PSAT/NMSQT and PSAT 10 Participation and Performance: Intended College Major - 10th and 11th Grades

the most recent score and sen-reported questionnaire response	10th C		11th G	rade
Intended College Major	Test Takers	Percent	Test Takers	Percent
Agriculture, Agriculture Operations, and Related Sciences	132	2%	141	2%
Architecture and Related Services	101	1%	85	1%
Area, Ethnic, Cultural, and Gender Studies	10	0%	3	0%
Biological and Biomedical Sciences	420	6%	556	8%
Business, Management, Marketing, and Related Support Services	351	5%	482	7%
Communication, Journalism, and Related Programs	64	1%	102	1%
Computer and Information Sciences and Support Services	186	3%	238	3%
Construction Trades, General	0		19	0%
Education	279	4%	356	5%
Engineering	696	9%	634	9%
Engineering Technologies/Technicians	110	1%	136	2%
English Language and Literature/Letters	48	1%	44	1%
Family and Consumer Sciences/Human Sciences	26	0%	18	0%
Foreign Languages and Literatures, General	26	0%	34	0%
Health Professions and Related Clinical Sciences	1,943	26%	1,780	25%
History, General	31	0%	39	1%
Legal Studies, General	132	2%	139	2%
Liberal Arts and Sciences, General Studies and Humanities	5	0%	7	0%
Library Science/Librarianship	0		0	0%
Mathematics and Statistics	28	0%	28	0%
Mechanic and Repair Technologies/Technicians	0		23	0%
Military Technologies	46	1%	37	1%
Multi/Interdisciplinary Studies	11	0%	15	0%
Natural Resources and Conservation	49	1%	53	1%
Parks, Recreation and Leisure Studies	37	1%	42	1%
Personal And Culinary Services, General	2	0%	21	0%
Philosophy and Religious Studies	12	0%	12	0%
Physical Sciences	80	1%	85	1%
Precision Production	0		2	0%
Psychology, General	252	3%	249	3%
Public Administration and Social Service Professions	20	0%	31	0%
Security and Protective Services	361	5%	297	4%
Social Sciences	71	1%	113	2%
Theology and Religious Vocations	5	0%	5	0%
Transportation and Materials Moving	0		1	0%
Visual and Performing Arts, General	458	6%	385	5%
Other	212	3%	162	2%
Undecided	1,145	16%	819	11%

PSAT 8/9 Participation and Performance

Data reflect students who took the PSAT 8/9 during the 2018-19 school year. If a student took the PSAT 8/9 more than once during the school year, the most recent score and self-reported questionnaire responses are summarized.

Total	Test Takers		Mean Score		
	Number	Total	ERW	Math	
Total	8,438	837	428	409	
Fall	5,069	825	422	403	
Spring	3,431	854	437	418	

Sex	Tes	Test Takers					
	Number	Percent	Total	ERW	Math		
Female	4,099	49%	853	441	412		
Male	4,288	51%	824	416	408		
No Response	51	1%	717	364	353		

Grade Level	Te	Test Takers			re		Met Benchmarks ¹			
	Number	Percent	Total	ERW	Math	Both	ERW	Math	None	
8th Grade	1,043	12%	804	410	394	28%	58%	31%	39%	
9th Grade	7,336	87%	843	431	412	31%	56%	33%	42%	
Other / No Response	59	1%	725	374	351					

Race/Ethnicity

	168	st lakers		wean Scor	е
Total	Number	Percent	Total	ERW	Math
American Indian/Alaska Native	380	5%	755	383	373
Asian	108	1%	935	465	470
Black/African American	302	4%	763	391	372
Hispanic/Latino	425	5%	780	401	378
Native Hawaiian/Other Pacific Islander	8	0%			
White	5,537	66%	861	441	420
Two or More Races	456	5%	855	436	419
No Response	1,222	14%	776	394	382

	Tes	st Takers		Mean Sco	re		Met Be	nchmarks¹	
8th Grade	Number	Percent	Total	ERW	Math	Both	ERW	Math	None
American Indian/Alaska Native	32	3%	738	376	362	6%	34%	13%	59%
Asian	11	1%	835	429	405	36%	64%	45%	27%
Black/African American	18	2%	769	401	369	22%	67%	22%	33%
Hispanic/Latino	43	4%	774	401	373	19%	51%	19%	49%
Native Hawaiian/Other Pacific Islander	1	0%							
White	647	62%	815	417	398	30%	63%	33%	34%
Two or More Races	49	5%	829	426	403	35%	65%	35%	35%
No Response	242	23%	786	395	391	26%	45%	31%	50%

	Tes	t Takers	Mean Score				Met Benchmarks¹			
9th Grade	Number	Percent	Total	ERW	Math	Both	ERW	Math	None	
American Indian/Alaska Native	347	5%	757	383	374	10%	34%	12%	64%	
Asian	97	1%	947	469	478	55%	69%	60%	26%	
Black/African American	282	4%	763	390	373	13%	39%	15%	59%	
Hispanic/Latino	380	5%	780	401	379	18%	42%	20%	56%	
Native Hawaiian/Other Pacific Islander	7	0%								
White	4,870	66%	868	444	424	36%	62%	38%	35%	
Two or More Races	403	5%	859	437	421	34%	62%	37%	35%	
No Response	950	13%	776	396	381	19%	39%	20%	60%	

PSAT 8/9 Participation and Performance

Data reflect students who took the PSAT 8/9 during the 2018-19 school year. If a student took the PSAT 8/9 more than once during the school year, the most recent score and self-reported questionnaire responses are summarized.

First Language Learned	Te	st Takers		Mean Sco	re		Met Benchmarks¹		
8th Grade	Number	Percent	Total	ERW	Math	Both	ERW	Math	None
English Only	807	77%	810	415	395	29%	61%	31%	36%
English and Another Language	17	2%	830	424	406	35%	59%	35%	41%
Another Language	6	1%							
No Response	213	20%	779	390	390	26%	43%	31%	52%
	Te	st Takers		Mean Sco	re		Met Be	enchmarks	1
9th Grade	Number	Percent	Total	ERW	Math	Both	ERW	Math	None
English Only	5,945	81%	854	437	417	33%	59%	35%	39%
English and Another Language	303	4%	833	424	409	27%	50%	28%	49%
Another Language	59	1%	873	436	437	34%	58%	39%	37%
No Response	1,029	14%	778	397	381	20%	40%	22%	58%
High School Grade Point Average	Te	st Takers		Mean Sco	re		Met Be	enchmarks	1
8th Grade	Number	Percent	Total	ERW	Math	Both	ERW	Math	None
A+ (97–100)	156	15%	888	458	430	52%	81%	54%	16%
A (93–96)	251	24%	840	430	410	39%	73%	41%	26%
A- (90–92)	144	14%	813	416	397	27%	65%	31%	31%
B (80-89)	203	19%	757	385	372	12%	43%	15%	54%
C (70–79)	61	6%	730	374	356	7%	36%	7%	64%
D, E, or F (below 70)	18	2%	665	338	327	0%	22%	6%	72%
No Response	210	20%	773	388	386	23%	41%	29%	53%
	Te	st Takers		Mean Sco	re		Met Be	enchmarks	1
9th Grade	Number	Percent	Total	ERW	Math	Both	ERW	Math	None
A+ (97–100)	725	10%	984	503	481	66%	85%	67%	14%
A (93–96)	1,696	23%	922	473	449	50%	78%	53%	20%
A- (90–92)	924	13%	854	436	418	34%	64%	36%	34%
B (80–89)	1,779	24%	800	408	392	17%	47%	20%	51%
C (70–79)	835	11%	746	381	365	7%	28%	9%	70%
D, E, or F (below 70)	229	3%	712	366	346	4%	18%	6%	80%
No Response	1,148	16%	788	402	386	22%	42%	24%	56%
•	•								

¹ Based on grade-level benchmarks.



PSAT 8/9 Participation and Performance: Score Distributions by Subgroup - 9th Grade

Data reflect students who took the PSAT 8/9 during the 2018-19 school year. If a student took the PSAT 8/9 more than once during the school year, the most recent score and self-reported questionnaire responses are summarized.

Two or

, , , , ,	Total Students	Female	Male	American Indian	Asian	African American	Hispanic	Native Hawaiian	White	Two of More Races
est Takers	7,336	3,580	3,739	347	97	282	380	7	4,870	403
otal Score										
1400–1440	0%	0%	0%	0%	0%	0%	0%		0%	0%
1200–1390	2%	2%	2%	0%	11%	0%	0%		2%	1%
1000–1190	16%	18%	15%	3%	27%	5%	9%		20%	19%
800–990	40%	43%	37%	33%	37%	35%	32%		42%	41%
600–790	38%	35%	41%	58%	25%	51%	49%		33%	36%
240–590	4%	2%	5%	7%	0%	9%	9%		3%	2%
Section Scores -	- ERW									
700–720	0%	0%	0%	0%	1%	0%	0%		0%	0%
600–690	4%	4%	4%	0%	11%	1%	1%		5%	4%
500–590	20%	24%	17%	5%	27%	9%	13%		24%	22%
400–490	36%	39%	33%	33%	32%	33%	33%		37%	40%
300–390	37%	31%	43%	59%	27%	52%	49%		32%	33%
120–290	2%	1%	4%	4%	2%	5%	4%		2%	2%
600–690 (30–34.5)	2%	2%	2%	0%	9%	0%	1%		2%	1%
Section (Test) S 700–720 (35–36)	0%	0%	0%	0%	3%	0%	0%		0%	0%
, ,										
500–590 (25–29.5)		13%	14%	3%	29%	4%	6%		16%	17%
400–490 (20–24.5)	42%	45%	40%	34%	34%	34%	34%		46%	45%
300–390 (15–19.5)		34%	35%	51%	24%	48%	42%		30%	32%
120–290 (6–14.5)	8%	6%	9%	12%	1%	13%	17%		6%	5%
Test Scores - Re	ading									
35–36	0%	0%	0%	0%	3%	0%	0%		0%	0%
30–34	7%	7%	6%	1%	10%	2%	3%		8%	6%
25–29	21%	25%	18%	8%	28%	11%	14%		25%	25%
20–24	37%	40%	34%	39%	33%	37%	33%		38%	38%
15–19	34%	28%	39%	52%	25%	47%	49%		28%	29%
6–14	1%	1%	2%	1%	1%	3%	1%		1%	1%
Test Scores - Wi	riting and	Language 0%	0%	0%	1%	0%	0%		0%	0%
30–34	4%	4%	4%	1%			3%			4%
					10%	1%			5% 25%	
25–29	21%	26%	17%	5%	29%	8%	16%		25%	21%
20–24	33%	35%	31%	29%	35%	33%	27%		34%	37%
15–19	36%	32%	40%	55%	19%	45%	46%		31%	34%
6–14	6%	3%	8%	10%	6%	13%	9%		4%	4%

¹ The Math test score is found by dividing the Math section score by 20.



PSAT 8/9 Participation and Performance: Score Distributions by Subgroup - 8th Grade

Data reflect students who took the PSAT 8/9 during the 2018-19 school year. If a student took the PSAT 8/9 more than once during the school year, the most recent score and self-reported questionnaire responses are summarized.

Two or

	Total Students	Female	Male	American Indian	Asian	African American	Hispanic	Native Hawaiian	White	Two of More Races
Test Takers	1,043	509	527	32	11	18	43	1	647	49
otal Score										
1400–1440	0%	0%	0%	0%	0%	0%	0%		0%	0%
1200–1390	0%	0%	0%	0%	0%	0%	0%		0%	2%
1000–1190	9%	9%	9%	0%	18%	6%	14%		9%	12%
800–990	41%	44%	38%	31%	45%	28%	23%		45%	45%
600–790	46%	43%	48%	66%	18%	61%	56%		41%	39%
240–590	5%	4%	5%	3%	18%	6%	7%		4%	2%
Section Scores	- ERW									
700–720	0%	0%	0%	0%	0%	0%	0%		0%	0%
600–690	1%	1%	1%	0%	0%	0%	2%		1%	2%
500–590	14%	16%	12%	3%	27%	11%	16%		15%	18%
400–490	38%	41%	35%	28%	36%	39%	26%		43%	45%
300–390	44%	41%	48%	66%	36%	50%	49%		40%	31%
120–290	2%	0%	4%	3%	0%	0%	7%		2%	4%
700–720 (35–36) 600–690 (30–34.5)		0% 0%	0% 1%	0% 0%	0% 0%	0%	0% 0%		0% 0%	0% 2%
700–720 (35–36)	0%	0%	0%	0%	0%	0%	0%		0%	0%
500-590 (25-29.5)		8%	9%	0%	18%	6%	9%		9%	8%
400–490 (20–24.5)		41%	39%	25%	36%	28%	26%		43%	41%
300–390 (15–19.5)		41%	42%	63%	27%	50%	49%		40%	41%
120–290 (6–14.5)	9%	9%	9%	13%	18%	17%	16%		8%	8%
Γest Scores - R 35–36	eading 0%	0%	0%	0%	0%	0%	0%		0%	0%
30–34	3%	3%	2%	0%	0%	6%	2%		3%	4%
25–29	16%	18%	15%	6%	27%	11%	21%		17%	24%
20–24	41%	43%	38%	41%	36%	39%	30%		44%	35%
15–19	39%	35%	43%	50%	36%	44%	42%		35%	33%
										4%
6–14 Test Scores - W	1% riting and	1%	2%	3%	0%	0%	5%		1%	4
35–36	0%	0%	0%	0%	0%	0%	0%		0%	0%
30–34	1%	1%	1%	0%	0%	0%	2%		1%	2%
25–29	14%	17%	12%	6%	36%	11%	14%		16%	20%
20–24	35%	38%	32%	19%	36%	39%	23%		38%	35%
15–19	43%	40%	46%	69%	27%	39%	49%		40%	39%
6–14	6%	4%	9%	6%	0%	11%	12%		5%	4%

¹ The Math test score is found by dividing the Math section score by 20.



SAT Suite Performance: Interquartile Ranges

Comparing the 25th percentile point to the 75th percentile point gives an idea of the range of performance in a group. SAT data reflect 2019 high school graduates who took the current SAT during high school. PSAT/NMSQT and PSAT 10 data reflect 10th or 11th grade students who took the PSAT/NMSQT and/or PSAT 10 during the 2018-19 school year. PSAT 8/9 data reflect 8th or 9th grade students who took the PSAT 8/9 during the 2018-19 school year. If a student took the respective assessment more than once, the most recent score is summarized.

SAT		Sec	ction		Writing and	Analysis in History/ ng and Social Ana				
Percentile	Total	ERW	Math	Reading	Writing and Language	Math	Studies	Analysis in Science		
75th	1060	550	520	28	27	26	28	28		
50th	920	470	450	24	23	22.5	24	24		
25th	810	410	390	21	20	19.5	21	21		

PSAT/NMSQT and PS	PSAT/NMSQT and PSAT 10 - Grade 11		ction				Analysis in History/	
Percentile	Total	ERW	Math	Reading	Writing and Language	Math	Social Studies	Analysis in Science
75th	1070	560	520	28	28	26	28	28
50th	950	490	460	25	24	23	25	24
25th	820	420	400	21	20	20	21	21

PSAT/NMSQT and PSAT 10 - Grade 10		Section					Analysis in History/	
Percentile	Total	ERW	Math	Reading	Writing and Language	Math	Social Studies	Analysis in Science
75th	1000	520	480	26	26	24	26	26
50th	880	450	430	23	22	21.5	22	23
25th	770	380	380	20	18	19	19	20

PSAT 8/9 - Grade 9		Sec	ction				Analysis in History/	
Percentile	Total	ERW	Math	Reading	Writing and Language	Math	Social Studies	Analysis in Science
75th	950	490	470	25	25	23.5	24	25
50th	830	420	410	21	20	20.5	20	21
25th	720	360	360	19	17	18	18	18

PSAT 8/9 - Grade 8		Sec	tion				Analysis in History/	
Percentile	Total	ERW	Math	Reading	Writing and Language	Math	Social Studies	Analysis in Science
75th	900	460	440	23	23	22	22	23
50th	790	400	390	20	20	19.5	20	20
25th	710	350	350	18	17	17.5	17	18