

## Answers

### Reading

Question	Correct Answer	Your Answer	Difficulty	Subscores/Cross-Test Scores
1	D	✓	■ ■ ■	N/A
2	D	✓	■ ■ □	N/A
3	A	✓	■ ■ □	<a href="#">Words in Context</a>
4	B	✓	■ ■ □	N/A
5	D	✓	■ □ □	<a href="#">Words in Context</a>
6	A	✓	■ ■ □	N/A
7	B	✓	■ □ □	N/A
8	C	✓	■ ■ □	<a href="#">Command of Evidence</a>
9	C	✓	■ ■ □	N/A
10	C	✓	■ ■ □	N/A
11	A	✓	■ □ □	<a href="#">Analysis in History/ Social Studies</a> <a href="#">Words in Context</a>
12	C	✓	■ ■ □	<a href="#">Analysis in History/ Social Studies</a>
13	D	✓	■ ■ □	<a href="#">Analysis in History/ Social Studies</a>
14	D	✓	■ ■ ■	<a href="#">Analysis in History/ Social Studies</a>
15	B	A	■ □ □	<a href="#">Analysis in History/ Social Studies</a>
16	C	✓	■ □ □	<a href="#">Analysis in History/ Social Studies</a> <a href="#">Words in Context</a>
17	B	✓	■ ■ □	<a href="#">Analysis in History/ Social Studies</a>
18	D	✓	■ ■ ■	<a href="#">Analysis in History/ Social Studies</a> <a href="#">Command of Evidence</a>
19	B	✓	■ ■ □	<a href="#">Analysis in History/ Social Studies</a>
20	A	✓	■ ■ □	<a href="#">Analysis in History/ Social Studies</a>
21	A	✓	■ ■ □	<a href="#">Analysis in History/ Social Studies</a> <a href="#">Command of Evidence</a>

<a href="#">22</a>	B	✓	■ ■ □	<a href="#">Analysis in Science</a>
<a href="#">23</a>	C	✓	■ ■ □	<a href="#">Analysis in Science</a>
<a href="#">24</a>	D	✓	■ ■ □	<a href="#">Analysis in Science</a> <a href="#">Command of Evidence</a>
<a href="#">25</a>	A	✓	■ ■ □	<a href="#">Analysis in Science</a>
<a href="#">26</a>	D	✓	■ ■ ■	<a href="#">Analysis in Science</a> <a href="#">Command of Evidence</a>
<a href="#">27</a>	C	✓	■ ■ □	<a href="#">Analysis in Science</a> <a href="#">Words in Context</a>
<a href="#">28</a>	A	✓	■ ■ □	<a href="#">Analysis in Science</a>
<a href="#">29</a>	D	✓	■ ■ ■	<a href="#">Analysis in Science</a>
<a href="#">30</a>	A	✓	■ □ □	<a href="#">Analysis in Science</a> <a href="#">Words in Context</a>
<a href="#">31</a>	B	✓	■ ■ ■	<a href="#">Analysis in Science</a>
<a href="#">32</a>	D	✓	■ ■ ■	<a href="#">Analysis in History/ Social Studies</a>
<a href="#">33</a>	D	✓	■ ■ ■	<a href="#">Analysis in History/ Social Studies</a> <a href="#">Command of Evidence</a>
<a href="#">34</a>	A	✓	■ ■ ■	<a href="#">Analysis in History/ Social Studies</a>
<a href="#">35</a>	D	✓	■ □ □	<a href="#">Analysis in History/ Social Studies</a> <a href="#">Words in Context</a>
<a href="#">36</a>	A	✓	■ ■ □	<a href="#">Analysis in History/ Social Studies</a> <a href="#">Words in Context</a>
<a href="#">37</a>	C	✓	■ ■ □	<a href="#">Analysis in History/ Social Studies</a>
<a href="#">38</a>	B	C	■ ■ ■	<a href="#">Analysis in History/ Social Studies</a>
<a href="#">39</a>	C	✓	■ □ □	<a href="#">Analysis in History/ Social Studies</a> <a href="#">Command of Evidence</a>
<a href="#">40</a>	B	✓	■ ■ ■	<a href="#">Analysis in History/ Social Studies</a>
<a href="#">41</a>	D	✓	■ ■ □	<a href="#">Analysis in History/ Social Studies</a>

<a href="#">42</a>	A	✓	■ ■ □	<a href="#">Analysis in Science</a>
<a href="#">43</a>	B	✓	■ □ □	<a href="#">Analysis in Science</a> <a href="#">Words in Context</a>
<a href="#">44</a>	B	✓	■ ■ ■	<a href="#">Analysis in Science</a>
<a href="#">45</a>	D	✓	■ ■ □	<a href="#">Analysis in Science</a>
<a href="#">46</a>	B	C	■ ■ □	<a href="#">Analysis in Science</a> <a href="#">Command of Evidence</a>
<a href="#">47</a>	D	✓	■ ■ ■	<a href="#">Analysis in Science</a>
<a href="#">48</a>	A	✓	■ ■ ■	<a href="#">Analysis in Science</a> <a href="#">Command of Evidence</a>
<a href="#">49</a>	B	✓	■ ■ ■	<a href="#">Analysis in Science</a>
<a href="#">50</a>	C	✓	■ ■ □	<a href="#">Analysis in Science</a> <a href="#">Words in Context</a>
<a href="#">51</a>	C	✓	■ ■ □	<a href="#">Analysis in Science</a> <a href="#">Command of Evidence</a>
<a href="#">52</a>	C	✓	■ ■ □	<a href="#">Analysis in Science</a>

## Writing

Question	Correct Answer	Your Answer	Difficulty	Subscores/Cross-Test Scores
^			↕	
<a href="#">1</a>	B	✓	■ □ □	<a href="#">Standard English Conventions</a>
<a href="#">2</a>	D	✓	■ ■ □	<a href="#">Words in Context</a> <a href="#">Expression of Ideas</a>
<a href="#">3</a>	C	✓	■ ■ □	<a href="#">Standard English Conventions</a>
<a href="#">4</a>	A	✓	■ ■ □	<a href="#">Command of Evidence</a> <a href="#">Expression of Ideas</a>
<a href="#">5</a>	A	✓	■ ■ □	<a href="#">Expression of Ideas</a>
<a href="#">6</a>	C	✓	■ ■ □	<a href="#">Standard English Conventions</a>
<a href="#">7</a>	A	✓	■ ■ □	<a href="#">Command of Evidence</a> <a href="#">Expression of Ideas</a>
<a href="#">8</a>	D	✓	■ ■ □	<a href="#">Standard English Conventions</a>
<a href="#">9</a>	B	✓	■ ■ □	<a href="#">Words in Context</a> <a href="#">Expression of Ideas</a>
<a href="#">10</a>	C	✓	■ ■ □	<a href="#">Standard English Conventions</a>
<a href="#">11</a>	B	✓	■ ■ □	<a href="#">Expression of Ideas</a>

<a href="#">12</a>	A	✓	■ □ □	<a href="#">Analysis in Science</a> <a href="#">Words in Context</a> <a href="#">Expression of Ideas</a>
<a href="#">13</a>	D	B	■ ■ ■	<a href="#">Analysis in Science</a> <a href="#">Expression of Ideas</a>
<a href="#">14</a>	D	✓	■ ■ □	<a href="#">Standard English Conventions</a>
<a href="#">15</a>	D	✓	■ ■ □	<a href="#">Standard English Conventions</a>
<a href="#">16</a>	C	✓	■ ■ □	<a href="#">Standard English Conventions</a>
<a href="#">17</a>	B	✓	■ □ □	<a href="#">Standard English Conventions</a>
<a href="#">18</a>	C	✓	■ ■ □	<a href="#">Analysis in Science</a> <a href="#">Expression of Ideas</a>
<a href="#">19</a>	D	B	■ ■ ■	<a href="#">Standard English Conventions</a>
<a href="#">20</a>	A	✓	■ ■ □	<a href="#">Analysis in Science</a> <a href="#">Words in Context</a> <a href="#">Expression of Ideas</a>
<a href="#">21</a>	D	✓	■ ■ □	<a href="#">Analysis in Science</a> <a href="#">Command of Evidence</a> <a href="#">Expression of Ideas</a>
<a href="#">22</a>	A	✓	■ ■ □	<a href="#">Analysis in Science</a> <a href="#">Command of Evidence</a> <a href="#">Expression of Ideas</a>
<a href="#">23</a>	C	✓	■ ■ ■	<a href="#">Expression of Ideas</a>
<a href="#">24</a>	C	✓	■ ■ □	<a href="#">Standard English Conventions</a>
<a href="#">25</a>	B	✓	■ ■ □	<a href="#">Standard English Conventions</a>
<a href="#">26</a>	D	✓	■ □ □	<a href="#">Standard English Conventions</a>
<a href="#">27</a>	C	✓	■ □ □	<a href="#">Words in Context</a> <a href="#">Expression of Ideas</a>
<a href="#">28</a>	B	✓	■ ■ ■	<a href="#">Standard English Conventions</a>
<a href="#">29</a>	D	✓	■ ■ □	<a href="#">Words in Context</a> <a href="#">Expression of Ideas</a>
<a href="#">30</a>	B	✓	■ ■ □	<a href="#">Expression of Ideas</a>
<a href="#">31</a>	A	✓	■ ■ □	<a href="#">Command of Evidence</a> <a href="#">Expression of Ideas</a>
<a href="#">32</a>	B	✓	■ ■ □	<a href="#">Command of Evidence</a> <a href="#">Expression of Ideas</a>
<a href="#">33</a>	C	✓	■ □ □	<a href="#">Standard English Conventions</a>

<a href="#">34</a>	C	✓	■ ■ □	<a href="#">Standard English Conventions</a>
<a href="#">35</a>	D	✓	■ ■ ■	<a href="#">Analysis in History/ Social Studies</a> <a href="#">Expression of Ideas</a>
<a href="#">36</a>	A	✓	■ □ □	<a href="#">Standard English Conventions</a>
<a href="#">37</a>	B	✓	■ ■ ■	<a href="#">Standard English Conventions</a>
<a href="#">38</a>	D	✓	■ ■ ■	<a href="#">Analysis in History/ Social Studies</a> <a href="#">Command of Evidence</a> <a href="#">Expression of Ideas</a>
<a href="#">39</a>	B	✓	■ ■ ■	<a href="#">Analysis in History/ Social Studies</a> <a href="#">Words in Context</a> <a href="#">Expression of Ideas</a>
<a href="#">40</a>	D	✓	■ ■ □	<a href="#">Standard English Conventions</a>
<a href="#">41</a>	B	✓	■ ■ □	<a href="#">Analysis in History/ Social Studies</a> <a href="#">Words in Context</a> <a href="#">Expression of Ideas</a>
<a href="#">42</a>	C	✓	■ ■ □	<a href="#">Standard English Conventions</a>
<a href="#">43</a>	A	✓	■ ■ ■	<a href="#">Analysis in History/ Social Studies</a> <a href="#">Command of Evidence</a> <a href="#">Expression of Ideas</a>
<a href="#">44</a>	C	✓	■ ■ ■	<a href="#">Analysis in History/ Social Studies</a> <a href="#">Expression of Ideas</a>



<a href="#">1</a>	C	✓	■ □ □	<a href="#">Heart of Algebra</a>
<a href="#">2</a>	C	✓	■ ■ □	<a href="#">Passport to Advanced Math</a>
<a href="#">3</a>	A	✓	■ ■ □	<a href="#">Passport to Advanced Math</a>
<a href="#">4</a>	D	✓	■ ■ □	<a href="#">Heart of Algebra</a>
<a href="#">5</a>	B	✓	■ ■ □	N/A
<a href="#">6</a>	A	✓	■ ■ □	<a href="#">Passport to Advanced Math</a>
<a href="#">7</a>	A	✓	■ ■ □	<a href="#">Passport to Advanced Math</a>
<a href="#">8</a>	B	✓	■ ■ ■	<a href="#">Heart of Algebra</a>
<a href="#">9</a>	C	✓	■ ■ ■	<a href="#">Heart of Algebra</a>
<a href="#">10</a>	A	✓	■ ■ □	<a href="#">Analysis in Science</a> <a href="#">Heart of Algebra</a>
<a href="#">11</a>	C	✓	■ ■ □	N/A
<a href="#">12</a>	C	✓	■ ■ □	<a href="#">Passport to Advanced Math</a>
<a href="#">13</a>	A	✓	■ ■ ■	N/A
<a href="#">14</a>	D	✓	■ ■ ■	<a href="#">Passport to Advanced Math</a>
<a href="#">15</a>	B	✓	■ ■ ■	<a href="#">Analysis in History/ Social Studies</a> <a href="#">Passport to Advanced Math</a>
<a href="#">16</a>	3	✓	■ ■ □	<a href="#">Analysis in Science</a> <a href="#">Heart of Algebra</a>
<a href="#">17</a>	$\frac{8}{3}$ , 2.67, 2.66	✓	■ ■ ■	<a href="#">Passport to Advanced Math</a>
<a href="#">18</a>	9	✓	■ ■ ■	<a href="#">Passport to Advanced Math</a>
<a href="#">19</a>	2.5, $\frac{5}{2}$	✓	■ ■ ■	<a href="#">Heart of Algebra</a>
<a href="#">20</a>	.5, $\frac{1}{2}$	✓	■ ■ ■	<a href="#">Heart of Algebra</a>

# October 2019 US SAT Math: Calculator Section

## Answer Key

Question	Correct Answer	Your Answer	Difficulty	Subscores/Cross-Test Scores
<a href="#">^</a>			<a href="#">↕</a>	
<a href="#">1</a>	C	✓	■ □ □	<a href="#">Problem Solving and Data Analysis</a>
<a href="#">2</a>	C	✓	■ □ □	<a href="#">Problem Solving and Data Analysis</a>
<a href="#">3</a>	A	✓	■ □ □	<a href="#">Problem Solving and Data Analysis</a>
<a href="#">4</a>	C	✓	■ □ □	<a href="#">Passport to Advanced Math</a>
<a href="#">5</a>	B	✓	■ □ □	<a href="#">Passport to Advanced Math</a>
<a href="#">6</a>	B	✓	■ □ □	<a href="#">Problem Solving and Data Analysis</a>
<a href="#">7</a>	C	✓	■ ■ □	<a href="#">Heart of Algebra</a>
<a href="#">8</a>	C	✓	■ ■ □	<a href="#">Passport to Advanced Math</a>
<a href="#">9</a>	B	✓	■ ■ □	<a href="#">Analysis in Science</a> <a href="#">Heart of Algebra</a>
<a href="#">10</a>	A	✓	■ ■ □	<a href="#">Analysis in History/ Social Studies</a> <a href="#">Problem Solving and Data Analysis</a>
<a href="#">11</a>	C	✓	■ ■ □	<a href="#">Heart of Algebra</a>
<a href="#">12</a>	A	✓	■ ■ □	<a href="#">Problem Solving and Data Analysis</a>
<a href="#">13</a>	B	✓	■ ■ □	<a href="#">Passport to Advanced Math</a>
<a href="#">14</a>	B	✓	■ ■ □	<a href="#">Analysis in Science</a> <a href="#">Problem Solving and Data Analysis</a>

# October 2019 US SAT Math: Calculator Section

15	D	✓	■ ■ □	N/A
16	B	✓	■ ■ □	N/A
17	C	✓	■ □ □	Analysis in History/ Social Studies Problem Solving and Data Analysis
18	A	✓	■ ■ ■	Analysis in History/ Social Studies Problem Solving and Data Analysis
19	A	✓	■ ■ □	Problem Solving and Data Analysis
20	D	✓	■ ■ ■	Problem Solving and Data Analysis
21	D	✓	■ ■ □	Analysis in Science Heart of Algebra
22	B	✓	■ ■ ■	Heart of Algebra
23	C	✓	■ ■ ■	Heart of Algebra
24	B	✓	■ ■ ■	Heart of Algebra
25	D	✓	■ ■ □	Problem Solving and Data Analysis
26	C	✓	■ ■ □	Heart of Algebra
27	D	✓	■ ■ ■	Analysis in History/ Social Studies Problem Solving and Data Analysis
28	C	A	■ ■ ■	N/A
29	D	✓	■ ■ ■	Analysis in Science Passport to Advanced Math
30	D	A	■ ■ ■	Heart of Algebra
31	60	✓	■ □ □	Analysis in History/ Social Studies Passport to Advanced Math
32	1500	✓	■ ■ □	Analysis in Science Problem Solving and Data Analysis
33	2	✓	■ ■ □	Heart of Algebra
34	805	✓	■ ■ □	Analysis in History/ Social Studies Problem Solving and Data Analysis
35	3500	✓	■ ■ □	Analysis in History/ Social Studies Heart of Algebra
36	450	✓	■ ■ ■	Analysis in Science Passport to Advanced Math
37	1	✓	■ ■ ■	Problem Solving and Data Analysis
38	6.1, 61/10	✓	■ ■ ■	Problem Solving and Data Analysis



## CONVERSION TABLES

## Raw Score Conversion – Section and Test Scores

## Section and Test Scores

RAW SCORE CONVERSION TABLE 1

Raw Score (# of correct answers)	Math Section Score	Reading Test Score	Writing and Language Test Score	Raw Score (# of correct answers)	Math Section Score	Reading Test Score	Writing and Language Test Score
0	200	10	10	30	530	25	27
1	200	10	10	31	540	26	28
2	210	10	10	32	540	26	29
3	230	10	11	33	550	27	29
4	240	11	12	34	560	28	30
5	260	12	13	35	560	28	31
6	270	13	13	36	570	29	31
7	280	14	14	37	580	29	32
8	300	15	15	38	580	30	33
9	310	15	15	39	590	30	34
10	320	16	16	40	600	31	35
11	330	17	16	41	600	31	36
12	350	17	17	42	610	32	37
13	360	18	17	43	620	32	39
14	380	18	18	44	630	33	40
15	390	18	18	45	640	33	
16	400	19	19	46	650	34	
17	410	19	19	47	660	35	
18	430	20	20	48	670	36	
19	440	20	20	49	680	37	
20	450	20	21	50	690	38	
21	460	21	22	51	700	39	
22	470	21	22	52	710	40	
23	480	22	23	53	730		
24	490	22	23	54	740		
25	500	23	24	55	760		
26	510	23	25	56	780		
27	510	24	25	57	790		
28	520	24	26	58	800		
29	530	25	27				

## Section and Test Scores

CONVERSION EQUATION 1

