Zapimove

← Back to Assessment Sessions

Digital SAT Mock Test - 109

Full Length Digital SAT Test
Completed on 12th Feb 2022, at 2:00 PM

Analysis Submitted Successfully

Abhay Kolhapurkar

Overall Score

93 / 150	**50 / 54**	**43 / 44**
Total Questions	Reading and Writing	Math

Section 1, Module 1 : Reading and Writing	Section 1, Module 2 : Reading and Writing	Section 2, Module 1 : Math	Section 2, Module 2 : Math	Time Taken Analytics
43 / 27	50 / 27	43 / 22	43 / 22	1Hr 1m

Total Questions: 22

Section 1, Module 1 : Reading and Writing | 13 Correct | 0 Incorrect | 0 Total Questions | 0 Unanswered | 100.0% Accuracy | 22 / 32 Minutes Taken

Section 1, Module 2 : Reading and Writing | 13 Correct | 0 Incorrect | 0 Total Questions | 0 Unanswered | 100.0% Accuracy | 22 / 32 Minutes Taken

Section 2, Module 1 : Math | 11 Correct | 0 Incorrect | 0 Total Questions | 0 Unanswered | 100.0% Accuracy | 24 / 35 Minutes Taken

Section 2, Module 2 : Math | 11 Correct | 0 Incorrect | 0 Total Questions | 0 Unanswered | 100.0% Accuracy | 24 / 35 Minutes Taken

Question wise report

Section 1, Module 1 : Reading and Writing | Section 1, Module 2 : Reading and Writing | **Section 2, Module 1 : Math** | Section 2, Module 2 : Math | Time Taken Analytics

Filter by
All | Correct | Incorrect | Unattempted | Marked

Total Questions: 22

1 | MCQ | Correct | 15 Seconds | 0

Question
The table shows the frequency of each value in a data set.

Value	Frequency
1	2
2	3
3	1
4	2
5	1
6	1

What is the minimum value of the data set?

Options
1. 1
2. 2
3. 3
4. 4
5. 5
6. 6

Correct | Correct | Analysis

Analysis
Explanation
Time Analysis

2 | MCQ | Correct | 15 Seconds | 0

Question
At what point (x, y) do the graphs of the equations $y = 2x + 3$ and $y = 3x - 6$ intersect in the xy-plane?

Options
1. $(2, 4)$
2. $(4, 2)$
3. $(5, 13)$
4. $(13, 5)$

Correct | Correct | Analysis

Analysis
Explanation
Time Analysis

3 | SPR | Correct | 30 Seconds | 0

Passage
Student product response directions:
- For **fixed-value than one correct answer**, enter only one answer.
- You can enter up to 5 characters for a **positive** answer and up to 6 characters (including the negative sign) for a **negative** answer.
- If your answer is a **fraction** that doesn't fit in the provided space, enter the decimal equivalent.
- If your answer is a **decimal** that doesn't fit in the provided space, enter it by truncating or rounding at the four digit.
- If your answer is a **mixed number** (3½), enter it as an improper fraction (7/2) or its decimal equivalent (3.5).
- Don't enter **symbols** such as a percent sign, comma, or dollar sign.

Answer	Acceptable ways to enter answer	Unacceptable ways to enter answer
$\frac{1}{2}$	1/2 0.5	.5 1/2
$-\frac{1}{2}$	-1/2 -0.5	-.5 -1/2
1	1 1.0 1000 1E3 1.000 1.0E0	0.99 999 1001 1E0 1.01 1E3
1.5	3/2 1.5 1500 1.5E3 1.500 1.5E0	0.99 999 1001 1.01 1E3 1E0

Correct | Correct | Analysis

Analysis
Explanation
Time Analysis

4 | MCQ | Correct | 15:45 Minutes | 0

Passage
Student product response directions:
- For **fixed-value than one correct answer**, enter only one answer.
- You can enter up to 5 characters for a **positive** answer and up to 6 characters (including the negative sign) for a **negative** answer.
- If your answer is a **fraction** that doesn't fit in the provided space, enter the decimal equivalent.
- If your answer is a **decimal** that doesn't fit in the provided space, enter it by truncating or rounding at the four digit.
- If your answer is a **mixed number** (3½), enter it as an improper fraction (7/2) or its decimal equivalent (3.5).
- Don't enter **symbols** such as a percent sign, comma, or dollar sign.

Answer	Acceptable ways to enter answer	Unacceptable ways to enter answer
$\frac{1}{2}$	1/2 0.5	.5 1/2
$-\frac{1}{2}$	-1/2 -0.5	-.5 -1/2
1	1 1.0 1000 1E3 1.000 1.0E0	0.99 999 1001 1E0 1.01 1E3
1.5	3/2 1.5 1500 1.5E3 1.500 1.5E0	0.99 999 1001 1.01 1E3 1E0

Correct | Correct | Analysis

Analysis
Explanation
Time Analysis

5 | MCQ | Correct | 15:11 Minutes | 0

Question
A sphere has a radius of $\frac{3}{2}$ feet. What is the volume, in cubic feet, of the sphere?

Options
1. $\frac{9\pi}{2}$
2. $\frac{27\pi}{8}$
3. $\frac{9\pi}{4}$
4. $\frac{27\pi}{4}$

Correct | Correct | Analysis

Analysis
Explanation
Time Analysis

6 | SPR | Correct | 15:47 Minutes | 0

Passage
Student product response directions:
- For **fixed-value than one correct answer**, enter only one answer.
- You can enter up to 5 characters for a **positive** answer and up to 6 characters (including the negative sign) for a **negative** answer.
- If your answer is a **fraction** that doesn't fit in the provided space, enter the decimal equivalent.
- If your answer is a **decimal** that doesn't fit in the provided space, enter it by truncating or rounding at the four digit.
- If your answer is a **mixed number** (3½), enter it as an improper fraction (7/2) or its decimal equivalent (3.5).
- Don't enter **symbols** such as a percent sign, comma, or dollar sign.

Answer	Acceptable ways to enter answer	Unacceptable ways to enter answer
$\frac{1}{2}$	1/2 0.5	.5 1/2
$-\frac{1}{2}$	-1/2 -0.5	-.5 -1/2
1	1 1.0 1000 1E3 1.000 1.0E0	0.99 999 1001 1E0 1.01 1E3
1.5	3/2 1.5 1500 1.5E3 1.500 1.5E0	0.99 999 1001 1.01 1E3 1E0

Correct | Correct | Analysis

Analysis
Explanation
Time Analysis

7 | MCQ | Correct | 15:36 Minutes | 0

Question
The table gives the average mass (in kilograms) of adult female bears in several distinct U.S. states. Which equation could represent the linear relationship?

Pleasant Valley	Average Mass (pounds)
0.36	12
0.72	24

Options
1. $y = \frac{1}{3}x$
2. $y = \frac{1}{6}x$
3. $y = 3x$
4. $y = 6x$

Correct | Correct | Analysis

Analysis
Explanation
Time Analysis

8 | SPR | Correct | 14 Seconds | 0

Passage
Student product response directions:
- For **fixed-value than one correct answer**, enter only one answer.
- You can enter up to 5 characters for a **positive** answer and up to 6 characters (including the negative sign) for a **negative** answer.
- If your answer is a **fraction** that doesn't fit in the provided space, enter the decimal equivalent.
- If your answer is a **decimal** that doesn't fit in the provided space, enter it by truncating or rounding at the four digit.
- If your answer is a **mixed number** (3½), enter it as an improper fraction (7/2) or its decimal equivalent (3.5).
- Don't enter **symbols** such as a percent sign, comma, or dollar sign.

Answer	Acceptable ways to enter answer	Unacceptable ways to enter answer
$\frac{1}{2}$	1/2 0.5	.5 1/2
$-\frac{1}{2}$	-1/2 -0.5	-.5 -1/2
1	1 1.0 1000 1E3 1.000 1.0E0	0.99 999 1001 1E0 1.01 1E3
1.5	3/2 1.5 1500 1.5E3 1.500 1.5E0	0.99 999 1001 1.01 1E3 1E0

Correct | Correct | Analysis

Analysis
Explanation
Time Analysis

9 | MCQ | Correct | 15:11 Minutes | 0

Question
In the triangle shown, what is the value of $\cos \angle T$?

Note: Figure not drawn to scale.

Options
1. 0.7
2. 0.8
3. 0.9
4. 1.0

Correct | Correct | Analysis

Analysis
Explanation
Time Analysis

10 | SPR | Correct | 15:36 Minutes | 0

Passage
Student product response directions:
- For **fixed-value than one correct answer**, enter only one answer.
- You can enter up to 5 characters for a **positive** answer and up to 6 characters (including the negative sign) for a **negative** answer.
- If your answer is a **fraction** that doesn't fit in the provided space, enter the decimal equivalent.
- If your answer is a **decimal** that doesn't fit in the provided space, enter it by truncating or rounding at the four digit.
- If your answer is a **mixed number** (3½), enter it as an improper fraction (7/2) or its decimal equivalent (3.5).
- Don't enter **symbols** such as a percent sign, comma, or dollar sign.

Answer	Acceptable ways to enter answer	Unacceptable ways to enter answer
$\frac{1}{2}$	1/2 0.5	.5 1/2
$-\frac{1}{2}$	-1/2 -0.5	-.5 -1/2
1	1 1.0 1000 1E3 1.000 1.0E0	0.99 999 1001 1E0 1.01 1E3
1.5	3/2 1.5 1500 1.5E3 1.500 1.5E0	0.99 999 1001 1.01 1E3 1E0

Correct | Correct | Analysis

Analysis
Explanation
Time Analysis

11 | SPR | Correct | 15:47 Minutes | 0

Passage
Student product response directions:
- For **fixed-value than one correct answer**, enter only one answer.
- You can enter up to 5 characters for a **positive** answer and up to 6 characters (including the negative sign) for a **negative** answer.
- If your answer is a **fraction** that doesn't fit in the provided space, enter the decimal equivalent.
- If your answer is a **decimal** that doesn't fit in the provided space, enter it by truncating or rounding at the four digit.
- If your answer is a **mixed number** (3½), enter it as an improper fraction (7/2) or its decimal equivalent (3.5).
- Don't enter **symbols** such as a percent sign, comma, or dollar sign.

Answer	Acceptable ways to enter answer	Unacceptable ways to enter answer
$\frac{1}{2}$	1/2 0.5	.5 1/2
$-\frac{1}{2}$	-1/2 -0.5	-.5 -1/2
1	1 1.0 1000 1E3 1.000 1.0E0	0.99 999 1001 1E0 1.01 1E3
1.5	3/2 1.5 1500 1.5E3 1.500 1.5E0	0.99 999 1001 1.01 1E3 1E0

Correct | Correct | Analysis

Analysis
Explanation
Time Analysis

12 | MCQ | Correct | 15:11 Minutes | 0

Question
Which of the following expressions is equivalent to $(x^{\frac{1}{2}})^{\frac{1}{3}}$?

Options
1. $x^{\frac{1}{6}}$
2. $x^{\frac{1}{5}}$
3. $x^{\frac{5}{6}}$
4. $x^{\frac{6}{5}}$

Correct | Correct | Analysis

Analysis
Explanation
Time Analysis

13 | SPR | Correct | 15:47 Minutes | 0

Passage
Student product response directions:
- For **fixed-value than one correct answer**, enter only one answer.
- You can enter up to 5 characters for a **positive** answer and up to 6 characters (including the negative sign) for a **negative** answer.
- If your answer is a **fraction** that doesn't fit in the provided space, enter the decimal equivalent.
- If your answer is a **decimal** that doesn't fit in the provided space, enter it by truncating or rounding at the four digit.
- If your answer is a **mixed number** (3½), enter it as an improper fraction (7/2) or its decimal equivalent (3.5).
- Don't enter **symbols** such as a percent sign, comma, or dollar sign.

Answer	Acceptable ways to enter answer	Unacceptable ways to enter answer
$\frac{1}{2}$	1/2 0.5	.5 1/2
$-\frac{1}{2}$	-1/2 -0.5	-.5 -1/2
1	1 1.0 1000 1E3 1.000 1.0E0	0.99 999 1001 1E0 1.01 1E3
1.5	3/2 1.5 1500 1.5E3 1.500 1.5E0	0.99 999 1001 1.01 1E3 1E0

Correct | Correct | Analysis

Analysis
Explanation
Time Analysis

14 | MCQ | Correct | 15:11 Minutes | 0

Question
The function f is defined by $f(x) = \sqrt{x^2 - 1}$, where x is a real number. What is the value of $f(-3)$?

Options
1. $-2\sqrt{2}$
2. $-\sqrt{8}$
3. $\sqrt{8}$
4. $2\sqrt{2}$

Correct | Correct | Analysis

Analysis
Explanation
Time Analysis

15 | SPR | Correct | 15:47 Minutes | 0

Passage
Student product response directions:
- For **fixed-value than one correct answer**, enter only one answer.
- You can enter up to 5 characters for a **positive** answer and up to 6 characters (including the negative sign) for a **negative** answer.
- If your answer is a **fraction** that doesn't fit in the provided space, enter the decimal equivalent.
- If your answer is a **decimal** that doesn't fit in the provided space, enter it by truncating or rounding at the four digit.
- If your answer is a **mixed number** (3½), enter it as an improper fraction (7/2) or its decimal equivalent (3.5).
- Don't enter **symbols** such as a percent sign, comma, or dollar sign.

Answer	Acceptable ways to enter answer	Unacceptable ways to enter answer
$\frac{1}{2}$	1/2 0.5	.5 1/2
$-\frac{1}{2}$	-1/2 -0.5	-.5 -1/2
1	1 1.0 1000 1E3 1.000 1.0E0	0.99 999 1001 1E0 1.01 1E3
1.5	3/2 1.5 1500 1.5E3 1.500 1.5E0	0.99 999 1001 1.01 1E3 1E0

Correct | Correct | Analysis

Analysis
Explanation
Time Analysis

16 | MCQ | Correct | 15:11 Minutes | 0

Question
In a study of the effects of a certain medicine on the growth of bacteria, a sample of 12 petri dish is given a large amount of bacteria. The number of bacteria in each petri dish is counted 24 hours later. The data are shown in the following dot plot. The table summarizes the distribution of the collected bacteria by group.

- Explanation
- Time Analysis

74 MCQ Correct **01:13 Minute** 0 Conceptual Calculat

Question

A circle in the cartesian has its centre at $(-2, -4)$. Line 3x is tangent to this circle at the point $(-5, -3)$ What is the slope of line 3?

Options

(A) $\frac{1}{3}$

(B) $-\frac{1}{3}$

(C) 1

(D) 3

- Analysis
- Explanation
- Time Analysis

75 MCQ Correct **01:13 Minute** 0 Conceptual Calculat

Question

$$5x + 25xy = 135$$

In the given equation, x is a constant. The equation has no solution. What is the value of x ?

Options

(A) 1

(B) 3

(C) 9

(D) 5

- Analysis
- Explanation
- Time Analysis

76 MCQ Correct **19 Seconds** 0 Conceptual Calculat

Question

$$P(t) = 2163.162^{0.75}$$

The function P models the population, in thousands, of a certain city t years after 2004. According to this model, the population is expected to increase by 25 every 3 months. What is the value of t?

Options

(A) 27

(B) 12

(C) 36

(D) 9

- Analysis
- Explanation
- Time Analysis

77 MCQ Correct **04:41 Minutes** 0 Conceptual Calculat

Question

In isosceles triangle ABC sides AB and AC are congruent. Point D divides side BC such that the length of BD is $\frac{1}{3}$ of the length of BC. Point E divides side AB such that the length of AE is $\frac{1}{3}$ of the length of AB. Point F divides side AC such that the length of AF is $\frac{1}{3}$ of the length of AC. Point G divides side BD in a manner that the length of BG is $\frac{1}{3}$ of the length of BD and G is closer to the length of D.

Options

(A) $\frac{1}{3}$

(B) $\frac{1}{9}$

(C) $\frac{2}{9}$

(D) $\frac{2}{3}$

- Analysis
- Explanation
- Time Analysis

78 MCQ Correct **03:05 Minutes** 0 Conceptual Calculat

Question

The area of a rectangular region is increasing at a rate of 240 square feet per hour. Which of the following is closest to this rate in square meters per minute? (Use 1 meter = 3.28 feet.)

Options

(A) 0.60

(B) 1.22

(C) 14.63

(D) 44.67

- Analysis
- Explanation
- Time Analysis