Digital SAT Math Mini Practice Test with Answers

Original Effortless Math practice. This is not an official exam form. Work carefully, then use the answer key and explanations to review.

How to use this mini test: complete the questions without notes, show enough work that you can explain your thinking, and score the page only after the full set is finished. A short practice test is most useful when it tells you what to study next.

Review targets: mark each missed question as arithmetic, algebra, geometry, data, graph reading, or word-problem setup. Then solve one similar problem before moving to a full-length practice test.

1. If 3x - 4 = 20, x equals:

A. 6

B. 7

C. 8

D. 9

2. Which expression is equivalent to 2(a + 5) - a?

A. a + 5

B. a + 10

C. 2a + 5

D. 3a + 10

3. A data set has mean 12 for 5 values. What is the total?

A. 17

B. 50

C. 60

D. 72

4. What is the slope between (1, 2) and (5, 10)?

A. 1

B. 2

C. 4

D. 8

5. If x^2 - 9 = 0, x equals:

A. 3 only

B. -3 only

C. +/- 3

D. 9

6. A price of $120 drops by 25%. New price?

A. $75

B. $80

C. $90

D. $95

7. The area of a rectangle is 48 and width is 6. Length is:

A. 6

B. 7

C. 8

D. 9

8. Which value is greatest?

A. 0.48

B. 1/2

C. 45%

D. 0.49

Answer Key and Explanations

1. C - Add 4, then divide by 3.

2. B - 2a + 10 - a = a + 10.

3. C - Mean x count = total: 12 x 5 = 60.

4. B - Change in y is 8 and change in x is 4.

5. C - x^2 = 9, so x = 3 or -3.

6. C - 25% of 120 is 30; 120 - 30 = 90.

7. C - 48 / 6 = 8.

8. B - 1/2 = 0.50, which is greatest.

Study Log

1. My strongest topic in this set was: _____

2. My weakest topic in this set was: _____

3. The mistake I need to stop repeating is: _____

4. The next topic I will practice is: _____

5. One problem I should solve again tomorrow is number: _____

A good review is not just checking letters. It is naming the skill, correcting the method, and proving that the next similar question can be solved without help.