

3 Standardized Test Practice

1. The school store sells 4 pencils for \$0.50. At that rate, what would be the cost of 10 pencils?

- A. \$1.10 C. \$2.00
 B. \$1.25 D. \$5.00

2. Which expressions do *not* have a value of 3?

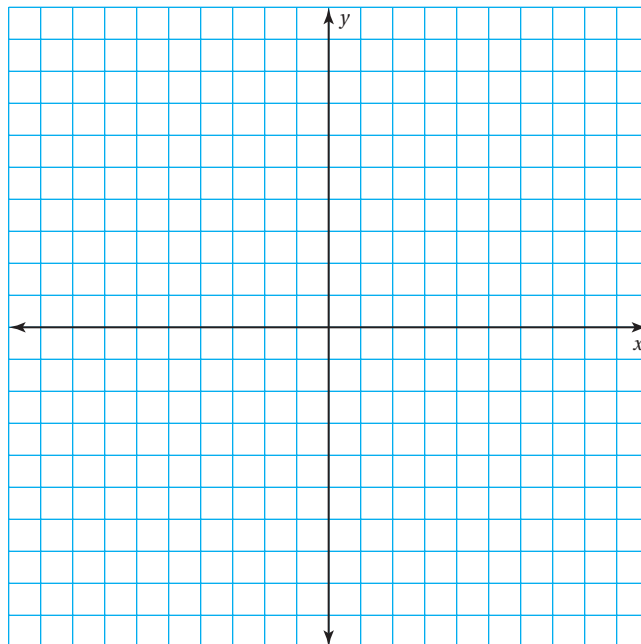
- I. $|3|$ II. $|-3|$
 III. $-|3|$ IV. $-|-3|$
 F. I and II H. II and IV
 G. I and III I. III and IV

3. What is the value of y in the equation below when $x = 12$ and $k = 3$?



$$xy = k$$

4. Use the coordinate plane to answer the question below.



A line contains both the point (0, 5) and the point (5, 0). Which of the following points is also on this line?

- A. (0, -5) C. (5, 5)
 B. (3, 3) D. (7, -2)

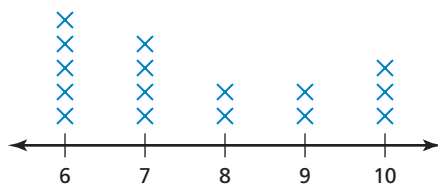
Test-Taking Strategy
Read Question Before Answering

What is **NOT** the ratio of human years to dog years?
 (A) $\frac{1}{7}$ (B) 1:7 (C) 1 to 7 (D) 7

Newton the senior citizen

"Be sure to read the question before choosing your answer. You may find a word that changes the meaning."

5. The scores from a diving competition are shown in the line plot below.



What is the median score?

- F. 7
G. 6
H. 5
I. 4
6. Meli was solving the equation in the box below.

$$\begin{aligned} -\frac{1}{2}(4x - 10) &= -16 \\ -2x - 5 &= -16 \\ -2x - 5 + 5 &= -16 + 5 \\ -2x &= -11 \\ \frac{-2x}{-2} &= \frac{-11}{-2} \\ x &= \frac{11}{2} \end{aligned}$$

What should Meli do to correct the error that she made?

- A. Distribute the $-\frac{1}{2}$ to get $-2x + 5$.
B. Distribute the $-\frac{1}{2}$ to get $2x - 5$.
C. Divide -11 by -2 to get $-\frac{11}{2}$.
D. Add 2 to -11 to get -9 .
7. What is the value of the expression below when $n = -8$ and $p = -4$?

$$-9n - p$$

- F. 76
G. 68
H. -68
I. -76

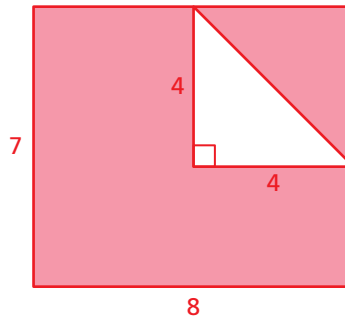
8. How many millimeters are equivalent to 20 inches?
(Use 1 millimeter \approx 0.04 inch.)



9. If 5 dogs share equally a bag of dog treats, each dog gets 24 treats. Suppose 8 dogs share equally the bag of treats. How many treats does each dog get?

- A. 3
B. 15
C. 21
D. 38

10. The figure below consists of a rectangle and a right triangle.



What is the area of the shaded region?

- F. 23 units²
G. 40 units²
H. 48 units²
I. 60 units²

11. You can mow 800 square feet of lawn in 15 minutes. At this rate, how many minutes will you take to mow a lawn that measures 6000 square feet?



Part A Write a proportion to represent the problem. Use m to represent the number of minutes. Explain your reasoning.

Part B Solve the proportion you wrote in Part A and use it to answer the problem. Show your work.

12. What number belongs in the box to make the equation true?

$$5\frac{7}{8} = \square \cdot \left(-\frac{1}{4}\right)$$

- A. $-23\frac{1}{2}$
B. $-1\frac{15}{32}$
C. $6\frac{1}{8}$
D. $23\frac{1}{2}$