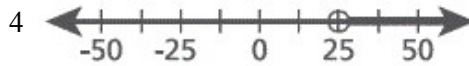


- 1 Which value from the set $\left\{\frac{1}{2}, \frac{2}{3}, \frac{4}{3}, \frac{5}{2}\right\}$ is a value of x that will make the equation $\frac{3}{4} + x = \frac{9}{8}$ true?

- 1 $\frac{1}{2}$
- 2 $\frac{2}{3}$
- 3 $\frac{4}{3}$
- 4 $\frac{5}{2}$

- 2 Which number line shows a graph of the inequality $x > -25$?



- 3 Which two expressions are equivalent?

- 1 $x + x + x$ and x^3
- 2 $14x + 10 - 2x$ and $16x + 10$
- 3 $12x + 16x$ and $4(3x + 4x)$
- 4 $12x^2 + 5x + 10$ and $17x^2 + 10$

- 4 An equation is shown below.

$$12 - 9 + c = 12$$

What value of c makes the equation true?

- 1 0
- 2 3
- 3 9
- 4 12

- 5 Louis and Tony are building houses out of blocks. Louis has 30 blocks, and gives Tony 13 blocks to build with. Which equation can be used to determine the number of blocks Louis has left to build his house with?

- 1 $30 - 13 = x$
- 2 $13 - 30 = x$
- 3 $30 - x = 13$
- 4 $x - 13 = 30$

- 6 Which value or values for the variable x from the set below will make $2.1 + 0.8x \leq 3$ true?

{0, 1, 1.3, 1.5}

- 1 only 0
- 2 0 and 1
- 3 0, 1, and 1.3
- 4 all values in the set

- 7 The surface area, S , of a right rectangular prism with length l , width w , and height h can be found using the formula below.
$$S = 2(lw + wh + hl)$$

What is the surface area, in square centimeters, of a prism with a length of 8 centimeters, a width of 6 centimeters, and a height of 2 centimeters?
- 1 124
 - 2 152
 - 3 64
 - 4 96
- 8 Cameron is going to the market to buy some vegetables. He has \$20 to spend. He plans on buying peppers and onions. If he spends more than \$12 on the onions, which inequality represents the amount of money Cameron can spend on peppers, p ?
- 1 $p < 8$
 - 2 $p > 8$
 - 3 $p < 32$
 - 4 $p > 32$
- 9 What is the value of the expression below when simplified?
- $$4[5(3 - 1)]^2 - 2^3$$
- 1 408
 - 2 394
 - 3 392
 - 4 377
- 10 Josué earned \$56.25 fixing a coding issue with a popular website. It took him a total of 4.5 hours to fix the issue. The equation $4.5x = 56.25$ can be used to find Josué's hourly rate. What is Josué's hourly rate?
- 1 \$11.25
 - 2 \$12.50
 - 3 \$13.75
 - 4 \$15.00