

8. **Consecutive even numbers** are even whole numbers that follow one another: for example, 4, 6, and 8. If the sum of three consecutive even numbers is 42, which equation can be used to find the smallest (x) of the three numbers?

a. $x + 2x + 4x = 42$ c. $x + x + x = 42$ e. $x + 2 + 4 = 42$
 b. $x + 2x = 4x + 2 = 42$ d. $x + x + 2 + x + 4 = 42$

9. What is the missing term (value of y) in the following proportion?

$$\frac{12}{9} = \frac{48}{y}$$

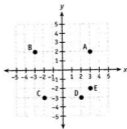
10. Elvira walked 3 miles in 40 minutes. If she maintains this rate, about how many minutes will it take Elvira to walk 7 miles?

11. In a local poll of 98 shoppers, 5 out of every 7 said they prefer low-fat milk over whole milk. Which proportion can be used to find the number of shoppers who said they prefer low-fat?

a. $\frac{7}{12} = \frac{x}{98}$ b. $\frac{5}{7} = \frac{28}{x}$ c. $\frac{5}{12} = \frac{x}{98}$ d. $\frac{7}{12} = \frac{28}{x}$ e. $\frac{5}{7} = \frac{x}{98}$

12. In the equation $y = 4x - 7$, what is the value of y when $x = 2$?

13. Which of the lettered points on the grid has the coordinates $(-3, 2)$?



14. The line on the grid contains the point $(4, 2)$. Which of the following is the equation of this line?

a. $y = 2x + 1$ d. $y = 3x - 1$
 b. $y = \frac{1}{3}x + 2$ e. $y = \frac{1}{4}x + 1$
 c. $y = \frac{1}{2}x - 2$

