

Use an algebraic method solve each of these pairs of simultaneous equations...

$$\begin{aligned} 1) \quad y &= 4x \\ y &= 2x + 12 \end{aligned}$$

$$\begin{aligned} 2) \quad y &= 3x + 4 \\ y &= 5x - 2 \end{aligned}$$

$$\begin{aligned} 3) \quad y &= x + 12 \\ y &= 2x \end{aligned}$$

$$\begin{aligned} 4) \quad y &= x + 4 \\ y &= 3x \end{aligned}$$

$$\begin{aligned} 5) \quad y &= x - 10 \\ y &= 2x \end{aligned}$$

$$\begin{aligned} 6) \quad y &= 2x + 3 \\ y &= 8x \end{aligned}$$

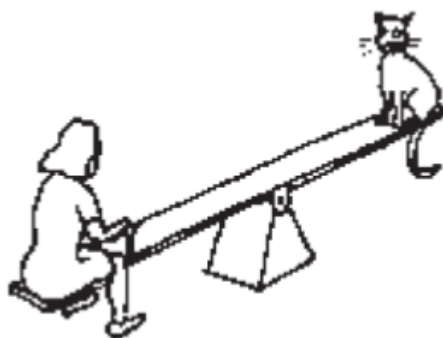
$$\begin{aligned} 7) \quad x + y &= 24 \\ y &= 2x \end{aligned}$$

$$\begin{aligned} 8) \quad y &= x - 10 \\ x &= 5y \end{aligned}$$

$$\begin{aligned} 9) \quad 4x + y &= 17 \\ 2x + y &= 9 \end{aligned}$$

$$\begin{aligned} 10) \quad 3x + 2y &= 16 \\ x - 2y &= 4 \end{aligned}$$

A man and his daughter together weigh 90kg, the man with his cat weigh 70kg, the daughter and cat together weigh 40kg. What do they each weigh?



Use an algebraic method solve each of these pairs of simultaneous equations...

$$\begin{aligned} 1) \quad & y = 4x \\ & y = 2x + 12 \\ & x = 6, y = 24 \end{aligned}$$

$$\begin{aligned} 2) \quad & y = 3x + 4 \\ & y = 5x - 2 \\ & x = 3, y = 13 \end{aligned}$$

$$\begin{aligned} 3) \quad & y = x + 12 \\ & y = 2x \\ & x = 12, y = 24 \end{aligned}$$

$$\begin{aligned} 4) \quad & y = x + 4 \\ & y = 3x \\ & x = 2, y = 6 \end{aligned}$$

$$\begin{aligned} 5) \quad & y = x - 10 \\ & y = 2x \\ & x = -10, y = -20 \end{aligned}$$

$$\begin{aligned} 6) \quad & y = 2x + 3 \\ & y = 8x \\ & x = 0.5, y = 4 \end{aligned}$$

$$\begin{aligned} 7) \quad & x + y = 24 \\ & y = 2x \\ & x = 8, y = 16 \end{aligned}$$

$$\begin{aligned} 8) \quad & y = x - 10 \\ & x = 5y \\ & x = 12.5, y = 2.5 \end{aligned}$$

$$\begin{aligned} 9) \quad & 4x + y = 17 \\ & 2x + y = 9 \\ & x = 4, y = 1 \end{aligned}$$

$$\begin{aligned} 10) \quad & 3x + 2y = 16 \\ & x - 2y = 4 \\ & x = 5, y = 0.5 \end{aligned}$$

A man and his daughter together weigh 90kg, the man with his cat weigh 70kg, the daughter and cat together weigh 40kg. What do they each weigh?

