

Indicaciones: Encuentra los valores.

a) $4x + 33 = 21$
 $4x = 33 - 21$
 $4x = 12$
 $x = 3$

$4x = 33 - 21$
 $4(3) = 33 - 21$
 $12 = 12$

b) $3x + 75 = 15$
 $3x = 15 - 75$
 $3x = 60$
 $x = 20$

$3x = 15 - 75$
 $3(20) = 15 - 75$
 $60 = 60$

c) $\frac{x}{5} + 35 = 125$

$450 = 90$

$\frac{x}{5} = 125 - 35$

$90 = 90$

$x = (90)(5)$

$x = 450$

$$d) 5t + 5 = 95$$

$$5t = 95 - 5$$

$$5t = 90$$

$$\underline{5}$$

$$t = 18$$

$$5t = 95 - 5$$

$$5(18) = 90$$

$$\underline{\underline{90 = 90}}$$

$$e) 8x - 136 = 64$$

$$8x = 64 + 136$$

$$8x = 200$$

$$\underline{8}$$

$$x = 25$$

$$8x = 64 + 136$$

$$8(25) = 64 + 136$$

$$\underline{\underline{200 = 200}}$$

$$f) \frac{x}{2} + 14 = 72$$

$$\underline{2}$$

$$\frac{x}{2} = 72 - 14$$

$$\underline{2}$$

$$\frac{x}{2} = 58 \quad x = 116$$

$$\underline{2}$$

$$116 = 58$$

$$\underline{2}$$

$$\underline{\underline{58 = 58}}$$

$$g) \quad 84 - 15 = 69$$

$$84 = 69 + 15$$

$$84 = \frac{80}{8} = 10$$

$$4 = 10$$

$$84 = 69 + 15$$

$$8(10) = 69 + 15$$

$$\underline{80 = 80}$$

$$h) \quad 3w - 12 = 36$$

$$3w = 36 + 12$$

$$3w = \frac{48}{3}$$

$$w = 16$$

$$3w = 36 + 12$$

$$3(16) = 48$$

$$\underline{48 = 48}$$

$$i) \quad \frac{x}{3} + 15 = 75$$

$$3$$

$$\frac{x}{3} = 75 - 15$$

$$3$$

$$x = 60 \times 3$$

$$x = \underline{180}$$

$$\frac{180}{3} = 60 + 15$$

$$3$$

$$\underline{60 = 60}$$

$$\begin{aligned}
 j) \quad 2x - 4 &= 16 \\
 2x &= 16 + 4 \\
 2x &= 20 \\
 \hline
 &2 \\
 x &= 10
 \end{aligned}$$

$$\begin{aligned}
 2x &= 16 + 4 \\
 2(10) &= 16 + 4 \\
 20 &= 20
 \end{aligned}$$

$$\begin{aligned}
 k) \quad 5z - 200 &= 245 \\
 5z &= 245 + 200 \\
 5z &= 445 \\
 \hline
 z &= 89 \\
 z &= 89
 \end{aligned}$$

$$\begin{aligned}
 5z &= 245 + 200 \\
 5(89) &= 445 \\
 445 &= 445
 \end{aligned}$$

$$\begin{aligned}
 l) \quad \frac{x}{4} + 20 &= 84 \\
 \frac{x}{4} &= 84 - 20
 \end{aligned}$$

$$\begin{aligned}
 \frac{256}{4} &= 64 \\
 4 &
 \end{aligned}$$

$$\begin{aligned}
 \frac{x}{4} &= 84 - 20 \\
 \frac{x}{4} &= 64
 \end{aligned}$$

$$\frac{64}{1} = 64$$

$$x = (64)(4)$$

$$x = 256$$

$$m) 2x - 4 = 36$$

$$2x = 36 + 4$$

$$2x = \frac{40}{2}$$

$$x = 20$$

$$2x = 36 + 4$$

$$2(20) = 36 + 4$$

$$40 = 40$$

$$n) 15z - 200 = 845$$

$$15z = 845 + 200$$

$$15z = \frac{1,045}{15}$$

$$z = 69.67$$

$$15z = 845 + 200$$

$$15(69.67) = 845 + 200$$

$$1,045 = 1,045$$

$$0) \frac{x}{5} + 25 = 115$$

$$\frac{x}{5} = 115 - 25$$

$$\frac{x}{5} = (90) (5)$$

$$x = 450$$

$$\frac{450}{5} = 115 - 25$$

$$\underline{\underline{90 = 90}}$$