

INSTITUTO PRIVADO RAFAEL

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NOMBRE: ELSY REGINA MALDONADO CASTILLO

CARRERA: 4TO PERITO EN ADMINISTRACIÓN DE
EMPRESAS

CURSO: MATEMATICA

MAESTRA: SANDRA DIAZ VILLEDA

TRABAJO: SEMANA 8

FECHA DE ENTREGA: 2/9/2021

"Semana 8"

a) $4x + 33 = 21$ $4x = 33 - 21$
 $4x = 33 - 21$ $4(3) = 33 - 21$
 $4x = \frac{12}{4}$ $12 = 12$

$x = 3$

b) $3x + 75 = 15$ $3x = 15 - 75$
 $3x = 15 - 75$ $3(20) = 15 - 75$
 $3x = \frac{60}{3}$ $60 = 60$

$x = 20$

c) $\frac{x}{5} + 35 = 125$ $\frac{450}{5} = 90$
 $\frac{x}{5} = 125 - 35$
 $x = (90) (5)$ $90 = 90$

$x = 450$

$$\begin{aligned} d) \quad 5t + 5 &= 95 \\ 5t &= 95 - 5 \\ 5t &= \frac{90}{5} \end{aligned}$$

$$\begin{aligned} 5t &= 95 - 5 \\ 5(18) &= 90 \\ 90 &= 90 \end{aligned}$$

$$t = 18$$

$$\begin{aligned} e) \quad 8x - 136 &= 64 \\ 8x - 64 + 136 & \\ 8x &= \frac{200}{8} \end{aligned}$$

$$\begin{aligned} 8x &= 64 + 136 \\ 8(25) &= 64 + 136 \\ 200 &= 200 \end{aligned}$$

$$x = 25$$

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

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

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

$$58 = 58$$

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

$$\begin{aligned} g) \quad 84 - 15 &= 65 \\ 84 &= 65 + 15 \\ 84 &= \frac{80}{8} \end{aligned}$$

$$\begin{aligned} 84 &= 65 + 15 \\ 8(10) &= 65 + 15 \\ 80 &= 80 \end{aligned}$$

$$4 = 10$$

$$\begin{aligned}
 h) \quad 3w - 12 &= 36 \\
 3w &= 36 + 12 \\
 3w &= \frac{48}{3}
 \end{aligned}$$

$$\begin{aligned}
 3w &= 36 + 12 \\
 3(16) &= 48 \\
 48 &= 48
 \end{aligned}$$

$$w = 16$$

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

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

$$x = 60 \times 3$$

$$x = 180$$

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

$$60 = 60$$

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

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

$$x = 10$$

$$\begin{aligned}
 k) \quad 52 - 20 &= 245 \\
 52 &= 245 + 200 \\
 52 &= \frac{445}{5}
 \end{aligned}$$

$$\begin{aligned}
 52 &= 245 + 200 \\
 5(89) &= 445 \\
 445 &= 445
 \end{aligned}$$

$$2 = 89$$

$$L) \frac{x}{4} + 20 = 84$$

$$\frac{x}{4} = 84 - 20$$

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

$$x = 256$$

$$\frac{256}{4} = 64$$

$$64 = 64$$

$$M) \begin{array}{l} 2x - 4 = 36 \\ 2x = 36 + 4 \\ 2x = \frac{40}{2} \end{array}$$

$$\begin{array}{l} 2x = 36 + 4 \\ 2(20) = 36 + 4 \\ 40 = 40 \end{array}$$

$$x = 20$$

$$N) \begin{array}{r} 15z - 200 = 845 \\ 15z = 845 + 200 \\ 15z = \frac{1,045}{15} \end{array}$$

$$z = 69.67$$

$$15z = 845 + 200$$

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

$$1,045 = 1,045$$

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

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

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

$$x = 450$$

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

$$90 = 90$$