

**INSTITUTO PRIVADO
RAFAEL AREVALO MARTINEZ**



**CURSO:
MATEMATICA**

**CATEDRATICA:
SANDRA DIAZ**

**NOMBRE:
ZABDY ANDREA APEN GARCIA**

**GRADO:
4TO ADMON**

**TAREA:
ACT 8. ECUACIONES DE PRIMER GRADO CON INCOGNITA**

Ecuaciones de Primer Grado con Incógnita

Indicaciones: Encuentre los valores

a) $4x + 33 = 21$

$$4x = 21 - 33$$

$$4x = -12$$

$$x = \frac{-12}{4}$$

$$x = -3$$

Prueba: $4(-3) = -12$
 $-12 = -12$

b) $3x + 75 = 15$

$$3x = 15 - 75$$

$$3x = -60$$

$$x = \frac{-60}{3}$$

$$x = -20$$

Prueba: $3(-20) = -60$
 $-60 = -60$

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

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

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

$$x = (90)(5)$$

$$x = 450$$

$$\text{Prueba } \frac{450}{5} = 90$$

$$90 = 90$$

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

$$5t = 95 - 5$$

$$5t = 90$$

$$t = \frac{90}{5}$$

$$t = 18$$

$$\text{Prueba } 5(18) = 90$$

$$90 = 90$$

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e) $8x - 136 = 64$

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

$$x = 25$$

Prueba $8(25) = 200$
 $200 = 200$

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

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

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

$$x = (58)(2)$$

$$x = 116$$

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

$$58 = 58$$

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g) $8y - 15 = 65$

$$\begin{aligned} 8y &= 65 + 15 \\ 8y &= 80 \\ y &= \frac{80}{8} \end{aligned}$$

$$y = 10$$

Prueba $8(10) = 80$
 $80 = 80$

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

$$3w = 36 + 12$$

$$3w = 48$$

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

$$w = 16$$

$$\text{Prueba } 3(16) = 48$$

$$48 = 48$$

i)

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

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

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

$$x = (60)(3)$$

$$x = 180$$

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

$$60 = 60$$

j)

$$2x - 4 = 16$$

$$2x = 16 + 4$$

$$2x = 20$$

$$x = \frac{20}{2}$$

$$x = 10$$

$$\text{Prueba } 2(10) = 20$$

$$20 = 20$$

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$$k) 5z - 200 = 245$$

$$5z = 245 + 200$$

$$5z = 445$$

$$z = \frac{445}{5}$$

$$z = 89$$

Prueba $5(89) = 445$
 $445 = 445$

1)

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

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

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

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

$$x = 256$$

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

$$64 = 64$$

m)

$$2x - 4 = 36$$

$$2x = 36 + 4$$

$$2x = 40$$

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

$$x = 20$$

Prueba $2(20) = 40$

$$40 = 40$$

Tarica

#8

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

$$15z = 845 + 200$$

$$15z = 1045$$

$$z = \frac{1045}{15}$$

$$z = 69.67$$

Rueba

$$15(69.6) = 1045$$

$$1045 = 1045$$

o)

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

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

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

$$x = (90)(5)$$

$$x = 450$$

Rueba $\frac{450}{5} = 90$

$$90 = 90$$

Zabdy Apén

4to. Admón

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