

Warm up

Solve.

$$\frac{\cancel{2}x}{\cancel{2}} = \frac{10}{2}$$

$$x = 5$$

$$\begin{array}{r} x + 2 = -6 \\ \underline{-2 \quad -2} \\ x = -8 \end{array}$$

$$g - 3 = 13$$

(Handwritten annotations: a red diagonal line is drawn through the minus sign and the first 3; blue plus signs and 3s are written below the minus sign and the first 3, respectively.)

$$g = 16$$

(The result g = 16 is circled in blue.)

$$\begin{array}{r} x - 7 = -3 \\ +7 \quad +7 \\ \hline x = 4 \end{array}$$

$$\begin{array}{r} 6 + n = 13 \\ -6 \quad -6 \\ \hline n = 7 \end{array}$$

$$\begin{array}{r} -3 + g = 5 \\ +3 \qquad +3 \\ \hline g = 8 \end{array}$$

$$-3 + 8 = 5 \checkmark$$

$$\frac{3p}{3} = \frac{-21}{3}$$

$$p = -7$$

$$2x + 1$$

coefficient
being multiplied
by the
variable

variable
unknown
value

constant
being added or
subtracted

$$\frac{-d}{-1} = \frac{8}{-1}$$
$$d = -8$$

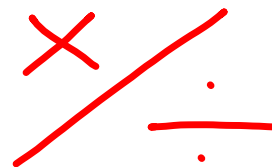
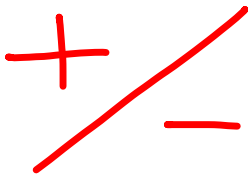
$$-1(-8) = 8 \checkmark$$

$$\cancel{2} \left(\frac{w}{\cancel{2}} \right) = (-5) \cancel{2}$$

$$w = -10$$

$$\frac{-10}{2} = -5 \checkmark$$

Inverse Operations



$$1) -5x = 45$$

$$4) b - 7 = -11$$

$$2) 4 + p = -12$$

$$5) -x = -27$$

$$3) -6 + r = 2$$

$$6) \frac{y}{6} = -3$$

$$1) \frac{-5x}{-5} = \frac{45}{-5}$$

$$x = -9$$

$$2) 4 + p = -12$$

-4 -4

$$p = -16$$

$$3) -6 + r = 2$$

$$+6 \quad +6$$

$$r = 8$$

$$4) b - 7 = -11$$

$$\begin{array}{r} +7 \quad +7 \\ \hline b = -4 \end{array}$$

$$5) \frac{-x}{-1} = \frac{-27}{-1}$$
$$x = 27$$

$$6) \left(\frac{y}{6} \right) = (-3) \cdot 6$$

$$y = -18$$

