

Solving One-Step Equations

Multiplication & Division

Name: _____ Date: _____

Multiply or divide by the same amount on both sides so that the variable is by itself.

Examples:

$$6x = 54$$

$$\frac{6x}{6} = \frac{54}{6}$$

$$x = 9$$

$$\frac{1}{5}y = 8$$

$$\left(\frac{1}{5}\right) \frac{1}{5}y = 8 \left(\frac{1}{5}\right)$$

$$y = 40$$



Solve each equation.

(1) $\frac{1}{4}r = -4$

(2) $24 = j(-4)$

(3) $z(3) = -9$

(4) $8 = -4j$

(5) $e(6) = 36$

(6) $-18 = 3q$

(7) $-18 = 6x$

(8) $4k = 12$

(9) $16 = -4s$

(10) $-6n = -30$

(11) $-4n = -20$

(12) $-\frac{q}{7} = 2$

(13) $-6 = \frac{z}{5}$

(14) $z(-7) = -28$

(15) $5 = -\frac{1}{5}n$

(16) $-2 = -\frac{m}{4}$

(17) $5 = \frac{1}{3}z$

(18) $f(6) = -36$

(19) $-7 = \frac{1}{3}m$

(20) $-14 = -2m$