

Basic One-step Equations.

Date:

Name:

Through your working, show how you are keeping the equation balanced as you solve for the variable.

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Round to 1 d.p. if necessary.

$$\text{[1]} \quad \frac{c}{6.9} = -5$$

$$\text{[2]} \quad \frac{p}{15.6} = 5$$

$$\text{[3]} \quad \frac{m}{18.9} = 2$$

$$\text{[4]} \quad \frac{w}{13.2} = 6$$

$$\text{[5]} \quad \frac{g}{-17.1} = 6$$

$$\text{[6]} \quad \frac{n}{-15.3} = 7$$

$$\text{[7]} \quad -6 = \frac{y}{8.7}$$

$$\text{[8]} \quad 8 = \frac{n}{3.7}$$

$$\text{[9]} \quad 16 = \frac{n}{8}$$

$$\text{[10]} \quad -4 = \frac{p}{13.7}$$

$$\text{[11]} \quad -2 = \frac{m}{6.7}$$

$$\text{[12]} \quad 0 = \frac{g}{-12}$$

$$\text{[13]} \quad \frac{w}{9.7} = 6$$

$$\text{[14]} \quad \frac{k}{22.4} = 3$$

$$\text{[15]} \quad 26 = \frac{n}{-6.8}$$

SOLUTIONS Basic One-step Equations.

Through your working, show how you are keeping the equation balanced as you solve for the variable.

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Round to 1 d.p. if necessary.

$$[1] \quad \frac{c}{6.9} = -5$$

$\times 6.9$ $\times 6.9$

$$c = -34.5$$

$$[2] \quad \frac{p}{15.6} = 5$$

$\times 15.6$ $\times 15.6$

$$p = 78$$

$$[3] \quad \frac{m}{18.9} = 2$$

$\times 18.9$ $\times 18.9$

$$m = 37.8$$

$$[4] \quad \frac{w}{13.2} = 6$$

$\times 13.2$ $\times 13.2$

$$w = 79.2$$

$$[5] \quad \frac{g}{-17.1} = 6$$

$\times -17.1$ $\times -17.1$

$$g = -102.6$$

$$[6] \quad \frac{n}{-15.3} = 7$$

$\times -15.3$ $\times -15.3$

$$n = -107.1$$

$$[7] \quad -6 = \frac{y}{8.7}$$

$\times 8.7$ $\times 8.7$

$$-52.2 = y$$

$$y = -52.2$$

$$[8] \quad 8 = \frac{n}{3.7}$$

$\times 3.7$ $\times 3.7$

$$29.6 = n$$

$$n = 29.6$$

$$[9] \quad 16 = \frac{n}{8}$$

$\times 8$ $\times 8$

$$128 = n$$

$$n = 128$$

[10] $-4 \times 13.7 = \frac{p}{13.7 \times 13.7}$
 $-54.8 = p$
 $p = -54.8$

[11] $-2 \times 6.7 = \frac{m}{6.7 \times 6.7}$
 $-13.4 = m$
 $m = -13.4$

[12] $0 \times -12 = \frac{g}{-12 \times -12}$
 $0 = g$
 $g = 0$

[13] $\frac{w}{9.7} = 6 \times 9.7$
 $w = 58.2$

[14] $\frac{k}{22.4} = 3 \times 22.4$
 $k = 67.2$

[15] $26 \times -6.8 = \frac{n}{-6.8 \times -6.8}$
 $-179.5 = n$
 $n = -179.5$