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.

[1] $\frac{p}{7.4} = 8$

[2] $\frac{d}{12.1} = 3$

[3] $\frac{c}{16.7} = 2$

[4] $\frac{f}{14.7} = 7$

[5] $\frac{y}{18.1} = 5$

[6] $\frac{p}{21.4} = 1$

[7] $4 = \frac{p}{4.7}$

[8] $7 = \frac{p}{8.3}$

[9] $9 = \frac{f}{4.6}$

[10] $5 = \frac{d}{7.7}$

[11] $8 = \frac{m}{14.3}$

[12] $14 = \frac{h}{11.6}$

[13] $\frac{m}{30.9} = 6$

[14] $\frac{y}{21.3} = 9$

[15] $23 = \frac{d}{16.8}$

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] $\frac{p}{7.4} = 8$ $\times 7.4$

$p = 59.2$

[2] $\frac{d}{12.1} = 3$ $\times 12.1$

$d = 36.3$

[3] $\frac{c}{16.7} = 2$ $\times 16.7$

$c = 33.4$

[4] $\frac{f}{14.7} = 7$ $\times 14.7$

$f = 102.9$

[5] $\frac{y}{18.1} = 5$ $\times 18.1$

$y = 90.5$

[6] $\frac{p}{21.4} = 1$ $\times 21.4$

$p = 21.4$

[7] $4 = \frac{p}{4.7}$ $\times 4.7$ $\times 4.7$

$18.8 = p$

$p = 18.8$

[8] $7 = \frac{p}{8.3}$ $\times 8.3$ $\times 8.3$

$58.1 = p$

$p = 58.1$

[9] $9 = \frac{f}{4.6}$ $\times 4.6$ $\times 4.6$

$41.4 = f$

$f = 41.4$

[10]

$$5 \times 7.7 = \frac{d}{7.7} \times 7.7$$

$$38.5 = d$$

$$\boxed{d = 38.5}$$

[11]

$$8 \times 14.3 = \frac{m}{14.3} \times 14.3$$

$$114.4 = m$$

$$\boxed{m = 114.4}$$

[12]

$$14 \times 11.6 = \frac{h}{11.6} \times 11.6$$

$$162.4 = h$$

$$\boxed{h = 162.4}$$

[13]

$$\frac{m}{30.9} \times 30.9 = 6 \times 30.9$$

$$\boxed{m = 185.4}$$

[14]

$$\frac{y}{21.3} \times 21.3 = 9 \times 21.3$$

$$\boxed{y = 191.7}$$

[15]

$$23 \times 16.8 = \frac{d}{16.8} \times 16.8$$

$$391.44 = d$$

$$\boxed{d = 391.44}$$