

**Basic One-step Equations.**

Date:

Name:

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

<http://www.learnersgrid.com>

Round to 1 d.p. if necessary.

**[1]**  $\frac{n}{4.2} = 5$

**[2]**  $\frac{n}{11.3} = 3$

**[3]**  $\frac{n}{20.2} = 7$

**[4]**  $\frac{f}{8.9} = 5$

**[5]**  $\frac{d}{14.0} = 4$

**[6]**  $\frac{f}{16.3} = 3$

**[7]**  $1 = \frac{f}{4.7}$

**[8]**  $4 = \frac{n}{5.3}$

**[9]**  $8 = \frac{d}{5.1}$

**[10]**  $2 = \frac{c}{12.7}$

**[11]**  $5 = \frac{d}{13.3}$

**[12]**  $6 = \frac{f}{10.1}$

**[13]**  $\frac{n}{38.8} = 5$

**[14]**  $\frac{n}{18.5} = 2$

**[15]**  $22 = \frac{p}{18.3}$

## 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.

$$[1] \quad \frac{n}{4.2} = 5$$

$\times 4.2$                        $\times 4.2$

$$n = 21$$

$$[2] \quad \frac{n}{11.3} = 3$$

$\times 11.3$                        $\times 11.3$

$$n = 33.9$$

$$[3] \quad \frac{n}{20.2} = 7$$

$\times 20.2$                        $\times 20.2$

$$n = 141.4$$

$$[4] \quad \frac{f}{8.9} = 5$$

$\times 8.9$                        $\times 8.9$

$$f = 44.5$$

$$[5] \quad \frac{d}{14.0} = 4$$

$\times 14$                        $\times 14$

$$d = 56$$

$$[6] \quad \frac{f}{16.3} = 3$$

$\times 16.3$                        $\times 16.3$

$$f = 48.9$$

$$[7] \quad 1 = \frac{f}{4.7}$$

$\times 4.7$                        $\times 4.7$

$$4.7 = f$$

$$f = 4.7$$

$$[8] \quad 4 = \frac{n}{5.3}$$

$\times 5.3$                        $\times 5.3$

$$21.2 = n$$

$$n = 21.2$$

$$[9] \quad 8 = \frac{d}{5.1}$$

$\times 5.1$                        $\times 5.1$

$$40.8 = d$$

$$d = 40.8$$

[10]

$$2 \times 12.7 = \frac{c}{12.7 \times 12.7}$$

$$25.4 = c$$

$$c = 25.4$$

[11]

$$5 \times 13.3 = \frac{d}{13.3 \times 13.3}$$

$$66.5 = d$$

$$d = 66.5$$

[12]

$$6 \times 10.1 = \frac{f}{10.1 \times 10.1}$$

$$60.6 = f$$

$$f = 60.6$$

[13]

$$\frac{n}{38.8 \times 38.8} = 5 \times 38.8$$

$$n = 194$$

[14]

$$\frac{n}{18.5 \times 18.5} = 2 \times 18.5$$

$$n = 37$$

[15]

$$22 \times 18.3 = \frac{p}{18.3 \times 18.3}$$

$$393.45 = p$$

$$p = 393.45$$