

**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]**

$$d - 52.2 = -48.2$$

**[2]**

$$62.9 - f = 50.9$$

**[3]**

$$-4.1 = c - 30.4$$

**[4]**

$$w + 42.2 = 57.2$$

**[5]**

$$26.1 + p = 28.1$$

**[6]**

$$55 = c + 20.4$$

**[7]**

$$24 = 47.8 - c$$

**[8]**

$$35 + k = 45$$

**[9]**

$$33.2 = 20.8 + f$$

**[10]**

$$\frac{m}{5} = 17$$

**[11]**

$$\frac{h}{8} = 8$$

**[12]**

$$25 = \frac{k}{8}$$

**[13]**

$$92.4 = 7.7y$$

**[14]**

$$17m = 159.8$$

**[15]**

$$164.2 = 21.6y$$

## 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]

$$d - 52.2 = -48.2$$

$$+ 52.2 \quad + 52.2$$

$$d = 4$$

[2]

$$62.9 - f = 50.9$$

$$- 62.9 \quad - 62.9$$

$$- f = -12$$

$$\times -1 \quad \times -1$$

$$f = 12$$

[3]

$$-4.1 = c - 30.4$$

$$+ 30.4 \quad + 30.4$$

$$26.3 = c$$

$$c = 26.3$$

[4]

$$w + 42.2 = 57.2$$

$$- 42.2 \quad - 42.2$$

$$w = 15$$

[5]

$$26.1 + p = 28.1$$

$$- 26.1 \quad - 26.1$$

$$p = 2$$

[6]

$$55 = c + 20.4$$

$$- 20.4 \quad - 20.4$$

$$34.6 = c$$

$$c = 34.6$$

[7]

$$24 = 47.8 - c$$

$$- 47.8 \quad - 47.8$$

$$-23.8 = -c$$

$$\times -1 \quad \times -1$$

$$23.8 = c$$

$$c = 23.8$$

[8]

$$35 + k = 45$$

$$- 35 \quad - 35$$

$$k = 10$$

[9]

$$33.2 = 20.8 + f$$

$$- 20.8 \quad - 20.8$$

$$12.4 = f$$

$$f = 12.4$$

[10]

$$\frac{m}{5} = 16.9$$

$\times 5$

$$m = 84.5$$

[11]

$$\frac{h}{8} = 8.2$$

$\times 8$

$$h = 65.6$$

[12]

$$24.9 = \frac{k}{8}$$

$\times 8$

$$199.2 = k$$

$$k = 199.2$$

[13]

$$92.4 = 7.7y$$

$$\div 7.7 \quad \div 7.7$$

$$12 = y$$

$$y = 12$$

[14]

$$17m = 159.8$$

$$\div 17 \quad \div 17$$

$$m = 9.4$$

[15]

$$164.2 = 21.6y$$

$$\div 21.6 \quad \div 21.6$$

$$7.6 = y$$

$$y = 7.6$$