

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]

$$g + 21 = 26.2$$

[2]

$$d + 31 = 56.9$$

[3]

$$94.3 = c + 41$$

[4]

$$d + 35 = 47.8$$

[5]

$$c + 24 = 70.8$$

[6]

$$138.5 = g + 31$$

[7]

$$42.5 + k = 33$$

[8]

$$59.9 + f = 40$$

[9]

$$48 = 73.3 + m$$

[10]

$$59.3 + p = 51$$

[11]

$$36.2 + c = 35$$

[12]

$$50 = 59.9 + h$$

ANSWERS 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]

$$g + 21 = 26.2$$

$$\begin{array}{r} -21 \quad -21 \\ g + 21 = 26.2 \end{array}$$

$$g = 5.2$$

[2]

$$d + 31 = 56.9$$

$$\begin{array}{r} -31 \quad -31 \\ d + 31 = 56.9 \end{array}$$

$$d = 25.9$$

[3]

$$94.3 = c + 41$$

$$\begin{array}{r} -41 \quad -41 \\ 94.3 = c + 41 \end{array}$$

$$53.3 = c$$

$$c = 53.3$$

[4]

$$d + 35 = 47.8$$

$$\begin{array}{r} -35 \quad -35 \\ d + 35 = 47.8 \end{array}$$

$$d = 12.8$$

[5]

$$c + 24 = 70.8$$

$$\begin{array}{r} -24 \quad -24 \\ c + 24 = 70.8 \end{array}$$

$$c = 46.8$$

[6]

$$138.5 = g + 31$$

$$\begin{array}{r} -31 \quad -31 \\ 138.5 = g + 31 \end{array}$$

$$107.5 = g$$

$$g = 107.5$$

[7]

$$42.5 + k = 33$$

$$\begin{array}{r} -42.5 \quad -42.5 \\ 42.5 + k = 33 \end{array}$$

$$k = -9.5$$

[8]

$$59.9 + f = 40$$

$$\begin{array}{r} -59.9 \quad -59.9 \\ 59.9 + f = 40 \end{array}$$

$$f = -19.9$$

[9]

$$48 = 73.3 + m$$

$$\begin{array}{r} -73.3 \quad -73.3 \\ 48 = 73.3 + m \end{array}$$

$$-25.3 = m$$

$$m = -25.3$$

[10]

$$59.3 + p = 51$$

$$\begin{array}{r} -59.3 \quad -59.3 \\ 59.3 + p = 51 \end{array}$$

$$p = -8.3$$

[11]

$$36.2 + c = 35$$

$$\begin{array}{r} -36.2 \quad -36.2 \\ 36.2 + c = 35 \end{array}$$

$$c = -1.2$$

[12]

$$50 = 59.9 + h$$

$$\begin{array}{r} -59.9 \quad -59.9 \\ 50 = 59.9 + h \end{array}$$

$$-9.9 = h$$

$$h = -9.9$$