

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]

$$f - 33 = -25.5$$

[2]

$$h - 19 = 8.8$$

[3]

$$65.5 = m - 13$$

[4]

$$f - 18 = -3$$

[5]

$$h - 21 = 29.6$$

[6]

$$120 = k - 21$$

[7]

$$48.9 - f = 39$$

[8]

$$40 - k = 24$$

[9]

$$12 = 39.5 - m$$

[10]

$$21.7 - m = 24$$

[11]

$$42.3 - h = 30$$

[12]

$$29 = 22.9 - c$$

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]

$$f - 33 = -25.5$$

$$+33 \quad +33$$

$$f = 7.5$$

[2]

$$h - 19 = 8.8$$

$$+19 \quad +19$$

$$h = 27.8$$

[3]

$$65.5 = m - 13$$

$$+13 \quad +13$$

$$78.5 = m$$

$$m = 78.5$$

[4]

$$f - 18 = -3.0$$

$$+18 \quad +18$$

$$f = 15.0$$

[5]

$$h - 21 = 29.6$$

$$+21 \quad +21$$

$$h = 50.6$$

[6]

$$120.0 = k - 21$$

$$+21 \quad +21$$

$$141 = k$$

$$k = 141.0$$

[7]

$$48.9 - f = 39$$

$$-48.9 \quad -48.9$$

$$-f = -9.9$$

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

$$f = 9.9$$

[8]

$$40 - k = 24$$

$$-40 \quad -40$$

$$-k = -16$$

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

$$k = 16$$

[9]

$$12 = 39.5 - m$$

$$-39.5 \quad -39.5$$

$$-27.5 = -m$$

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

$$27.5 = m$$

$$m = 27.5$$

[10]

$$21.7 - m = 24$$

$$-21.7 \quad -21.7$$

$$-m = 2.3$$

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

$$m = -2.3$$

[11]

$$42.3 - h = 30$$

$$-42.3 \quad -42.3$$

$$-h = -12.3$$

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

$$h = 12.3$$

[12]

$$29 = 22.9 - c$$

$$-22.9 \quad -22.9$$

$$6.1 = -c$$

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

$$c = -6.1$$

2.3