

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]

$$w - 18 = -7.5$$

[2]

$$c - 23 = 6.2$$

[3]

$$21.8 = n - 32$$

[4]

$$f - 25 = -8.8$$

[5]

$$g - 51 = 6.5$$

[6]

$$72.1 = h - 42$$

[7]

$$30.6 - d = 19$$

[8]

$$70.4 - y = 48$$

[9]

$$12 = 43 - h$$

[10]

$$13.3 - k = 25$$

[11]

$$29.7 - y = 17$$

[12]

$$24 = 20.2 - k$$

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]

$$w - 18 = -7.5$$

$$+18 \quad +18$$

$$w = 10.5$$

[2]

$$c - 23 = 6.2$$

$$+23 \quad +23$$

$$c = 29.2$$

[3]

$$21.8 = n - 32$$

$$+32 \quad +32$$

$$53.8 = n$$

$$n = 53.8$$

[4]

$$f - 25 = -8.8$$

$$+25 \quad +25$$

$$f = 16.2$$

[5]

$$g - 51 = 6.5$$

$$+51 \quad +51$$

$$g = 57.5$$

[6]

$$72.1 = h - 42$$

$$+42 \quad +42$$

$$114.1 = h$$

$$h = 114.1$$

[7]

$$30.6 - d = 19$$

$$-30.6 \quad -30.6$$

$$-d = -11.6$$

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

$$d = 11.6$$

[8]

$$70.4 - y = 48$$

$$-70.4 \quad -70.4$$

$$-y = -22.4$$

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

$$y = 22.4$$

[9]

$$12 = 43 - h$$

$$-43 \quad -43$$

$$-31 = -h$$

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

$$31 = h$$

$$h = 31$$

[10]

$$13.3 - k = 25$$

$$-13.3 \quad -13.3$$

$$-k = 11.7$$

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

$$k = -11.7$$

[11]

$$29.7 - y = 17$$

$$-29.7 \quad -29.7$$

$$-y = -12.7$$

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

$$y = 12.7$$

[12]

$$24 = 20.2 - k$$

$$-20.2 \quad -20.2$$

$$3.8 = -k$$

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

$$k = -3.8$$

11.7