

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]

$$h - 47 = -45$$

[2]

$$29 - c = 26$$

[3]

$$-3 = m - 48$$

[4]

$$w + 41 = 39$$

[5]

$$56 + w = 49$$

[6]

$$88 = n + 45$$

[7]

$$47 = 56 - f$$

[8]

$$34 + d = 22$$

[9]

$$18 = 23 + f$$

[10]

$$\frac{h}{6} = 13$$

[11]

$$\frac{n}{11} = -13$$

[12]

$$-17 = \frac{g}{-8}$$

[13]

$$-180 = 15p$$

[14]

$$14y = 98$$

[15]

$$-119 = -17y$$

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]

$$h - 47 = -45$$

+ 47 + 47

$$h = 2$$

[2]

$$29 - c = 26$$

- 29 - 29

$$-c = -3$$

× -1 × -1

$$c = 3$$

[3]

$$-3 = m - 48$$

+ 48 + 48

$$45 = m$$

$$m = 45$$

[4]

$$w + 41 = 39$$

- 41 - 41

$$w = -2$$

[5]

$$56 + w = 49$$

- 56 - 56

$$w = -7$$

[6]

$$88 = n + 45$$

- 45 - 45

$$43 = n$$

$$n = 43$$

[7]

$$47 = 56 - f$$

- 56 - 56

$$-9 = -f$$

× -1 × -1

$$9 = f$$

$$f = 9$$

[8]

$$34 + d = 22$$

- 34 - 34

$$d = -12$$

[9]

$$18 = 23 + f$$

- 23 - 23

$$-5 = f$$

$$f = -5$$

[10]

$$\frac{h}{6} = 13$$

× 6 × 6

$$h = 78$$

[11]

$$\frac{n}{11} = -13$$

× 11 × 11

$$n = -143$$

[12]

$$-17 = \frac{g}{-8}$$

× -8 × -8

$$136 = g$$

$$g = 136$$

[13]

$$-180 = 15p$$

÷ 15 ÷ 15

$$-12 = p$$

$$p = -12$$

[14]

$$14y = 98$$

÷ 14 ÷ 14

$$y = 7$$

[15]

$$-119 = -17y$$

÷ -17 ÷ -17

$$7 = y$$

$$y = 7$$