

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]

$$g - 27 = -21$$

[2]

$$16 - c = 13$$

[3]

$$-2 = n - 28$$

[4]

$$d + 12 = 11$$

[5]

$$28 + g = 26$$

[6]

$$58 = p + 29$$

[7]

$$47 = 56 - p$$

[8]

$$33 + p = 28$$

[9]

$$25 = 28 + n$$

[10]

$$\frac{d}{3} = 4$$

[11]

$$\frac{w}{7} = -14$$

[12]

$$-14 = \frac{p}{-8}$$

[13]

$$-21 = 3p$$

[14]

$$19d = 209$$

[15]

$$-44 = -22h$$

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]

$$g - 27 = -21$$

$$+27 \quad +27$$

$$g = 6$$

[2]

$$16 - c = 13$$

$$-16 \quad -16$$

$$-c = -3$$

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

$$c = 3$$

[3]

$$-2 = n - 28$$

$$+28 \quad +28$$

$$26 = n$$

$$n = 26$$

[4]

$$d + 12 = 11$$

$$-12 \quad -12$$

$$d = -1$$

[5]

$$28 + g = 26$$

$$-28 \quad -28$$

$$g = -2$$

[6]

$$58 = p + 29$$

$$-29 \quad -29$$

$$29 = p$$

$$p = 29$$

[7]

$$47 = 56 - p$$

$$-56 \quad -56$$

$$-9 = -p$$

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

$$9 = p$$

$$p = 9$$

[8]

$$33 + p = 28$$

$$-33 \quad -33$$

$$p = -5$$

[9]

$$25 = 28 + n$$

$$-28 \quad -28$$

$$-3 = n$$

$$n = -3$$

[10]

$$\frac{d}{3} = 4$$

$\times 3$

$$d = 12$$

[11]

$$\frac{w}{7} = -14$$

$\times 7$

$$w = -98$$

[12]

$$-14 = \frac{p}{-8}$$

$\times -8$

$\times -8$

$$112 = p$$

$$p = 112$$

[13]

$$-21 = 3p$$

$$\div 3 \quad \div 3$$

$$-7 = p$$

$$p = -7$$

[14]

$$19d = 209$$

$$\div 19 \quad \div 19$$

$$d = 11$$

[15]

$$-44 = -22h$$

$$\div -22 \quad \div -22$$

$$2 = h$$

$$h = 2$$