

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>

[1]

$$g - 44 = -34$$

[2]

$$w - 19 = 20$$

[3]

$$69 = k - 12$$

[4]

$$m - 41 = -19$$

[5]

$$g - 50 = 18$$

[6]

$$127 = p - 29$$

[7]

$$30 - y = 27$$

[8]

$$21 - h = 14$$

[9]

$$24 = 42 - d$$

[10]

$$25 - c = 15$$

[11]

$$20 - y = 25$$

[12]

$$39 = 41 - w$$

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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[1]

$$g - 44 = -34$$

+ 44 + 44

$$g = 10$$

[2]

$$w - 19 = 20$$

+ 19 + 19

$$w = 39$$

[3]

$$69 = k - 12$$

+ 12 + 12

$$81 = k$$

$$k = 81$$

[4]

$$m - 41 = -19$$

+ 41 + 41

$$m = 22$$

[5]

$$g - 50 = 18$$

+ 50 + 50

$$g = 68$$

[6]

$$127 = p - 29$$

+ 29 + 29

$$156 = p$$

$$p = 156$$

[7]

$$30 - y = 27$$

- 30 - 30

$$-y = -3$$

x - 1 x - 1

$$y = 3$$

[8]

$$21 - h = 14$$

- 21 - 21

$$-h = -7$$

x - 1 x - 1

$$h = 7$$

[9]

$$24 = 42 - d$$

- 42 - 42

$$-18 = -d$$

x - 1 x - 1

$$18 = d$$

$$d = 18$$

[10]

$$25 - c = 15$$

- 25 - 25

$$-c = -10$$

x - 1 x - 1

$$c = 10$$

[11]

$$20 - y = 25$$

- 20 - 20

$$-y = 5$$

x - 1 x - 1

$$y = -5$$

[12]

$$39 = 41 - w$$

- 41 - 41

$$-2 = -w$$

x - 1 x - 1

$$2 = w$$

$$w = 2$$