

**Basic One-step Equations.**

Date:

Name:

Through your working, show how you are keeping the equation balanced as you solve for the variable.

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**[1]**

$$f - 19 = -16$$

**[2]**

$$c - 23 = 10$$

**[3]**

$$61 = g - 20$$

**[4]**

$$h - 28 = -23$$

**[5]**

$$g - 49 = -6$$

**[6]**

$$114 = n - 17$$

**[7]**

$$25 - g = 18$$

**[8]**

$$36 - y = 25$$

**[9]**

$$18 = 34 - m$$

**[10]**

$$21 - h = 12$$

**[11]**

$$13 - n = 18$$

**[12]**

$$22 = 32 - m$$

# 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]

$$f - 19 = -16$$

+ 19            + 19

$$f = 3$$

[2]

$$c - 23 = 10$$

+ 23            + 23

$$c = 33$$

[3]

$$61 = g - 20$$

+ 20            + 20

$$81 = g$$
$$g = 81$$

[4]

$$h - 28 = -23$$

+ 28            + 28

$$h = 5$$

[5]

$$g - 49 = -6$$

+ 49            + 49

$$g = 43$$

[6]

$$114 = n - 17$$

+ 17            + 17

$$131 = n$$
$$n = 131$$

[7]

$$25 - g = 18$$

- 25            - 25

$$-g = -7$$

x - 1            x - 1

$$g = 7$$

[8]

$$36 - y = 25$$

- 36            - 36

$$-y = -11$$

x - 1            x - 1

$$y = 11$$

[9]

$$18 = 34 - m$$

- 34            - 34

$$-16 = -m$$

x - 1            x - 1

$$16 = m$$
$$m = 16$$

[10]

$$21 - h = 12$$

- 21            - 21

$$-h = -9$$

x - 1            x - 1

$$h = 9$$

[11]

$$13 - n = 18$$

- 13            - 13

$$-n = 5$$

x - 1            x - 1

$$n = -5$$

[12]

$$22 = 32 - m$$

- 32            - 32

$$-10 = -m$$

x - 1            x - 1

$$10 = m$$
$$m = 10$$