

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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Addition only**[1]**

$$n + 21 = 30$$

[2]

$$k + 39 = 46$$

[3]

$$71 = n + 28$$

[4]

$$f + 26 = 47$$

[5]

$$m + 40 = 78$$

[6]

$$132 = h + 46$$

[7]

$$20 + m = 28$$

[8]

$$9 + p = 23$$

[9]

$$37 = 21 + g$$

[10]

$$35 + k = 25$$

[11]

$$54 + y = 51$$

[12]

$$50 = 55 + p$$

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]

$$n + 21 = 30$$

$$\begin{array}{r} -21 \\ -21 \end{array}$$

$$n = 9$$

[2]

$$k + 39 = 46$$

$$\begin{array}{r} -39 \\ -39 \end{array}$$

$$k = 7$$

[3]

$$71 = n + 28$$

$$\begin{array}{r} -28 \\ -28 \end{array}$$

$$43 = n$$

$$n = 43$$

[4]

$$f + 26 = 47$$

$$\begin{array}{r} -26 \\ -26 \end{array}$$

$$f = 21$$

[5]

$$m + 40 = 78$$

$$\begin{array}{r} -40 \\ -40 \end{array}$$

$$m = 38$$

[6]

$$132 = h + 46$$

$$\begin{array}{r} -46 \\ -46 \end{array}$$

$$86 = h$$

$$h = 86$$

[7]

$$20 + m = 28$$

$$\begin{array}{r} -20 \\ -20 \end{array}$$

$$m = 8$$

$$m = 8$$

[8]

$$9 + p = 23$$

$$\begin{array}{r} -9 \\ -9 \end{array}$$

$$p = 14$$

$$p = 14$$

[9]

$$37 = 21 + g$$

$$\begin{array}{r} -21 \\ -21 \end{array}$$

$$16 = g$$

$$g = 16$$

[10]

$$35 + k = 25$$

$$\begin{array}{r} -35 \\ -35 \end{array}$$

$$k = -10$$

[11]

$$54 + y = 51$$

$$\begin{array}{r} -54 \\ -54 \end{array}$$

$$y = -3$$

[12]

$$50 = 55 + p$$

$$\begin{array}{r} -55 \\ -55 \end{array}$$

$$-5 = p$$

$$p = -5$$