

# One-Step Equations

## Addition or Subtraction Equations

Add or subtract the same number from each side of the equation.

$$m - 8 = 5$$

$-8$  has been subtracted, so add  $-8$  to each side.

$$m - 8 + 8 = 5 + 8$$

$$m = 13$$

Check:  $13 - 8 = 5$

## Multiplication or Division Equations

Multiply or divide the same number from each side of the equation.

$$\frac{w}{-2} = 7$$

$w$  is divided by  $-2$ , so multiply each side by  $-2$ .

$$-2 \cdot \frac{w}{-2} = 7 \cdot -2$$

$$w = -14$$

Check:  $\frac{-14}{-2} = 7$

Solve each equation.

1.  $f + 4 = 8$

Subtract  $-4$  from each side.

$$f + 4 - 4 = 8 - 4$$

$$f = 8 + 4$$

$$f = 12$$

2.  $-5p = -25$

Divide each side by  $-5$ .

$$\frac{-5p}{-5} = \frac{-25}{-5}$$

$$p = 5$$

3.  $d - 12 = 5$

4.  $n + 10 = -3$

5.  $9t = -45$

6.  $\frac{x}{7} = -7$

7.  $n - 10 = 6$

8.  $\frac{r}{-10} = 4$

9.  $k - 8 = -1$

10.  $e - 11 = 14$

11.  $-4w = -28$

12.  $-10p = 90$

13.  $\frac{s}{-2} = -1$

14.  $c + 14 = -12$

# One-Step Equations

Solve each addition or subtraction equation.

1.  $k + -5 = 7$

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2.  $g - -2 = -12$

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3.  $m + 2 = -9$

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4.  $q + 4 = -3$

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5.  $j - 5 = -3$

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6.  $x + 8 = -1$

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7.  $p - -7 = 0$

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8.  $f + 6 = -2$

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9.  $t - 7 = -1$

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Solve each multiplication or division equation.

10.  $8s = -56$

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11.  $\frac{v}{9} = -4$

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12.  $-3n = -18$

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13.  $7h = -35$

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14.  $-\frac{f}{4} = 5$

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15.  $-9f = 54$

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16.  $\frac{c}{2} = 15$

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17.  $-8g = 88$

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18.  $\frac{w}{12} = -5$

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