

**Solving One-Step Equations**

Solve each equation. Check your answers.

1.  $g - 7 = 15$

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2.  $t + 4 = 6$

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3.  $13 = m - 7$

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4.  $x + 3.4 = 9.1$

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5.  $n - \frac{3}{8} = \frac{1}{8}$

\_\_\_\_\_

6.  $p - \frac{1}{3} = \frac{2}{3}$

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7.  $-49 = 7y$

\_\_\_\_\_

8.  $-15 = -\frac{3n}{5}$

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9.  $9m = 6$

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10.  $\frac{v}{-3} = -6$

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11.  $2.8 = 4b$

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12.  $\frac{3r}{4} = \frac{1}{8}$

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13. Marietta was given a raise of \$0.75 an hour, which brought her hourly wage to \$12.25. Write and solve an equation to determine Marietta's hourly wage before her raise. Show that your answer is reasonable.

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14. Brad grew  $4\frac{1}{4}$  inches this year and is now  $56\frac{7}{8}$  inches tall. Write and solve an equation to find Brad's height at the start of the year. Show that your answer is reasonable.

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15. Lola spends one-third of her allowance on movies. She spends \$8 per week at the movies. Write and solve an equation to determine Lola's weekly allowance.

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16. The perimeter of a regular pentagon is 41.5 cm. Write and solve an equation to determine the length of each side of the pentagon.

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