

# Practice 4–6

## Solving Two-Step Equations

Solve each equation. Then check your answer.

1.  $7m + 8 = 71$

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2.  $\frac{y}{7} + 6 = 11$

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3.  $12y + 2 = 146$

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4.  $\frac{m}{9} - 17 = 21$

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5.  $\frac{y}{-12} + 1 = 6$

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6.  $2a - 1 = 19$

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7.  $\frac{c}{5} - 8 = 17$

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8.  $-4t + 16 = 24$

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9.  $\frac{b}{-2} - 8 = -6$

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10.  $3d + 14 = 11$

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11.  $\frac{z}{17} - 1 = 8$

\_\_\_\_\_

12.  $\frac{e}{5} - 14 = 21$

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13.  $\frac{f}{-9} + 4 = 2$

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14.  $-2y + 16 = 10$

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15.  $4w - 26 = 82$

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16.  $\frac{j}{19} - 2 = -5$

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Solve each equation.

17.  $3n - 8 = 4$

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18.  $\frac{n}{5} - 4 = 11$

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19.  $2n - 3 = 9$

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20.  $1 + \frac{n}{4} = 9$

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Match each sentence with a two-step equation.

21. Half of the height of a tree minus five equals fifteen.

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A.  $3n - 2 = 12$

B.  $3n + 2 = 12$

22. Two less than three times the number of feet of fencing required equals twelve feet.

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C.  $\frac{n}{2} - 5 = 15$

D.  $\frac{n}{4} - 8 = -5$

23. Eight less than the quotient of Dave's golf score and four equals negative five.

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24. Three times Gail's age increased by two years equals twelve years.

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