

**Practice 7-1 Solving Two-Step Equations**

Solve each equation.

1.  $4x - 17 = 31$  \_\_\_\_\_ 2.  $15 = 2m + 3$  \_\_\_\_\_

3.  $\frac{k}{3} + 3 = 8$  \_\_\_\_\_ 4.  $7 = 3 + \frac{h}{6}$  \_\_\_\_\_

5.  $9n + 18 = 81$  \_\_\_\_\_ 6.  $5 = \frac{y}{3} - 9$  \_\_\_\_\_

7.  $14 = 5k - 31$  \_\_\_\_\_ 8.  $\frac{t}{9} - 7 = -5$  \_\_\_\_\_

9.  $\frac{g}{8} - 9 = -13$  \_\_\_\_\_ 10.  $25 - 13f = -14$  \_\_\_\_\_

**Choose the correct equation. Solve.**

17. Tehira has read 110 pages of a 290-page book. She reads 20 pages each day. How many days will it take to finish?

A.  $20 + 110p = 290$

B.  $20p + 290 = 110$

C.  $110 + 20p = 290$

D.  $290 = 110 + 20p$

**Write an equation to describe the situation. Solve.**

18. A waitress earned \$73 for 6 hours of work. The total included \$46 in tips. What was her hourly wage?

19. You used  $6\frac{3}{4}$  c of sugar while baking muffins and nutbread for a class party. You used a total of  $1\frac{1}{2}$  c of sugar for the muffins. Your nutbread recipe calls for  $1\frac{3}{4}$  c of sugar per loaf. How many loaves of nutbread did you make?