

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. $\frac{v}{8} - 9 = -13$ _____ 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?