

**Practice****Solving Multi-Step Equations**

*Solve each equation. Then check your solution.*

1.  $5x + 3 = 23$

2.  $4 = 3a - 14$

3.  $19 = 3y - 5$

4.  $6 - 5c = -29$

5.  $8 - 5w = -37$

6.  $42 = 18 - 4v$

7.  $0.4m - 3 = -1$

8.  $3.2e + 2.6 = -23$

9.  $\frac{n}{3} - 8 = -2$

10.  $\frac{x}{-4} + 5 = 1$

11.  $13 = \frac{w}{-3} - 4$

12.  $-7 = \frac{c}{-6} + 12$

13.  $\frac{3}{4}x - 7 = 8$

14.  $-12 = 6 + \frac{2}{3}y$

15.  $-17 = -32 - \frac{3}{5}f$

16.  $8 - \frac{3}{8}k = -4$

17.  $-14 = \frac{s + 12}{-6}$

18.  $\frac{u + 12}{-4} = 5$

*Define a variable, write an equation, and solve each problem. Then check your solution.*

19. Find two consecutive odd integers whose sum is 116.

20. Find two consecutive even integers whose sum is 126.

21. Find three consecutive odd integers whose sum is 117.

22. Find two consecutive even integers whose sum is 217.

23. Find four consecutive odd integers whose sum is 8.

24. Find three consecutive even integers whose sum is 396.