

**Practice****Solving Equations****Solve each equation.**

1.  $13 = 8 - 6r$

2.  $9 + 4n = -59$

3.  $\frac{3}{8}y = 2\frac{3}{4}$

4.  $-6 = \frac{4x}{7} + 2$

5.  $\frac{3}{4} - \frac{1}{2}n = \frac{4}{5}$

6.  $\frac{5}{6}s + \frac{3}{8} = \frac{2}{3}$

7.  $-1.6r + 5 = -7.8$

8.  $6x - 5 = 7 - 9x$

9.  $5(6 - 4v) = v + 21$

10.  $-4(6y - 5) = 23 - 3(8y + 1)$

**Define a variable, write an equation, and solve the problem.**

11. Fourteen less than twice some number is 154. Find the number.
12. The length of a rectangle is 9 centimeters more than half the width. Find the length if the perimeter is 60 centimeters.
13. In an evening, a sporting goods store sold twice as many T-shirts as shorts. T-shirts are \$9 each, and shorts are \$14 each. The total amount of money taken in for both items was \$256. Find the number of each that was sold.