

## 5-9

## Practice

## Solving Equations with Rational Numbers

Solve each equation. Check your solution.

1.  $y + 6.1 = 19.5$

2.  $m + 5.8 = 19.9$

3.  $8.7 + x = 9.6$

4.  $t - 4.82 = 5.36$

5.  $\frac{1}{2} + x = \frac{4}{7}$

6.  $-11 = x - 8$

7.  $\frac{11}{12} = \frac{3}{8} + v$

8.  $-2.9 = m - 3.6$

9.  $\frac{x}{5.09} = 0$

10.  $6 = \frac{3}{7} + u$

11.  $\frac{4}{5}x = \frac{16}{25}$

12.  $\frac{q}{3.2} = -20$

13.  $9\frac{3}{4} = r - 6\frac{2}{9}$

14.  $\frac{14}{25} = v + \frac{1}{2}$

15.  $0.8p = 6$

16.  $y + 2\frac{2}{5} = 5\frac{4}{15}$

17.  $10 = \frac{5}{9}u$

18.  $6\frac{2}{3} = n - 10\frac{1}{9}$

19.  $b - \frac{7}{10} = -\frac{1}{4}$

20.  $-5.2 = 20.8c$

21.  $\frac{3}{8} + g = \frac{7}{12}$

22.  $3\frac{3}{4} + h = -8\frac{1}{2}$

23.  $9 = -\frac{1}{4}w$

24.  $1\frac{1}{2} = 6q$

25. **ELECTRICITY** If a television uses  $\frac{3}{20}$  kilowatt-hours of electricity per hour, how long will it take to use 14 kilowatt-hours of electricity?

26. **COMPUTER DISKS** Mr. Rosenthal bought 15 computer disks and a carrying case for \$28.50. If the carrying case cost \$6.75, what was the cost of each disk?