

2-7**Practice**

7AF1.1, 7NS1.2

Solving Equations with Rational Numbers**Solve each equation. Check your solution.**

1. $m + 0.88 = 1.64$

2. $t - 2.89 = 9.15$

3. $-\frac{3}{5} = d - \frac{5}{6}$

4. $-\frac{7}{16} = b + \frac{1}{4}$

5. $h - (-6.3) = 8.12$

6. $-2.5 = n - (-5.37)$

7. $-\frac{5}{8}k = 25$

8. $-\frac{3}{7}v = -27$

9. $-2.94 = -0.42a$

10. $-8.4 = 1.4y$

11. $\frac{f}{2.4} = -7.5$

12. $\frac{p}{-6.25} = -3.6$

13. $2.5x = -\frac{13}{16}$

14. $-4.5w = -8\frac{1}{3}$

15. $8\frac{2}{3} = -1.\bar{3}g$

17. **MONEY** The currency in Switzerland is called a franc. On a certain day, one U.S. dollar equaled $1\frac{1}{4}$ Swiss francs. Write and solve a multiplication equation to find the number of U.S. dollars that would equal 15 Swiss francs.

FOOTBALL For Exercise 18, refer to the table.

18. Let s equal the number of additional seats that the Pittsburgh Steelers' stadium needs to equal the number of seats in Kansas City Chiefs' stadium. Write and solve an addition equation to determine the number of seats that the Steelers' stadium needs to equal the number of seats in the Chiefs' stadium.

NFL Stadiums Seating Capacity	
Stadium	Seats (thousands)
Dallas Cowboys	65.7
Kansas City Chiefs	79.4
Pittsburgh Steelers	64.5
San Diego Chargers	71.3

Source: stadiums.nfl.com