Extra Practice: Skills and Word Problems

● **Lesson 3-1** Estimate. State the method you used.

1. $5.35 + 7.953$ **2.** $25.68 - 3.7$ **3.** $6.877 + 3.521 + 8.5$

4. $103.890 - 25.6$ **5.** $42.875 + 36.982 + 45.7$ **6.** $42.651 - 12.8$

● **Lesson 3-2** Estimate each product or quotient.

7. $9.5(12.31)$ **8.** $24.8 \div 5.03$

9. $2.8 \cdot 6.11$ **10.** $-5.78 \div 1.95$

11. $(-2.468)(-9.031)$ **12.** $-19.32 \div 4.025$

● **Lesson 3-3** Find the mean, median, and mode. When the answer is not an integer, round to the nearest tenth. Identify any outliers.

13. 10 13 10 15 12 11 12 19 14 **14.** 85 86 80 85 90 90 50 88

15. \$25 \$30 \$32 \$28 \$30 \$15 \$28 \$30 **16.** 6.2 4.5 4.8 12.3 5.7 4.8 6.0

● **Lesson 3-4** Evaluate each formula for the values given.

17. perimeter of a rectangle: $P = 2\ell + 2w$ when $\ell = 45$ yd and $w = 20$ yd

18. circumference of a circle: $C = 2\pi r$ when $r = 6.8$ in.; use 3.14 for π

19. distance traveled: $d = rt$ when $r = 50$ mi/h and $t = 3.5$ h

20. perimeter of a square: $P = 4s$ when $s = 12$ cm

● **Lessons 3-5 and 3-6** Solve each equation.

21. $t + 4.5 = 17.2$ **22.** $15.5 + y = 10.5$ **23.** $x - 70.2 = 23.6$

24. $1.2b = 6$ **25.** $c \div 5.3 = 12$ **26.** $-21.2 = p - 12.7$

27. $f \div 5.25 = 7.8$ **28.** $6.4m = 38.4$ **29.** $-3.1 = -31a$

30. $h + 25.8 = 76$ **31.** $101.5 = j - 82.8$ **32.** $-50.8 = d + 36.2$

33. $4.5v = 13.5$ **34.** $s \div 10.5 = 42$ **35.** $26.2 = z - 6.55$

● **Lesson 3-7** Complete each statement.

36. 0.95 m = ■ cm **37.** 250 mL = ■ L **38.** 2.5 kg = ■ g

39. 60 g = ■ kg **40.** 0.54 L = ■ mL **41.** 5.62 m = ■ cm

42. 58 cm = ■ m **43.** 564 mm = ■ m **44.** 345 g = ■ mg

45. 36 mg = ■ g **46.** 234 cm = ■ m **47.** 567 mg = ■ g