Worksheet **3.6**

Estimating.

Estimate an answer to the problem. See examples on page 179 in text.

1. An advertisement states that television sets are on sale at B&G Electronics. The sale prices are: 13-inch set, $147.99; 19-inch set, $208.95; 21-inch set, $231.99; 27-inch set, $289.97; 50-inch set, $519.97. Estimate to the nearest ten the total cost of one 19-inch set and one 21-inch set.

A) $440   B) $450   C) $430   D) $420

2. A 22-ounce can of coffee is 6.3 inches (0.525 ft) tall. How many 22-ounce cans of coffee stacked one on top of another would it take to reach the top of a building that is 1393 feet tall? Round to the nearest one.

A) 2653   B) 2637   C) 2673   D) 2660

Estimate by rounding as directed. See examples on page 180 in text.

3. $0.06 + 91 + 0.73$; nearest one

A) 95   B) 90   C) 92   D) 93

4. $32.902 + 0.582 + 79.99$; nearest tenth

A) 113.8   B) 113.3   C) 112.6   D) 113.5

Estimate the product or quotient by first rounding each number so that there is one non zero digit. See examples on pages 180-181 in text.

5. 26.4×4.6

A) 15,000   B) 1500   C) 150   D) 15

Estimate the product or quotient by first rounding each number so that there is one non zero digit. See examples on pages 180-181 in text.

6. 7.312×6.02

A) 56 B) 42 C) 4.2 D) 420

7. $9.77 \div 2$

A) 5 B) 50 C) 0.05 D) 0.5

Divide. See examples on pages 166-167 in text.

8. $\dfrac{390.3683}{0.001}$

A) 0.390 368 3 B) 3,903,683 C) 0.039 036 83 D) 390,368.3

Find the least common multiple of the set of numbers. See examples on pages 74-75 in text.

9. 8, 10, 12, 15

A) 108 B) 120 C) 60 D) 90

Divide and simplify. See examples on pages 74-75 in text.

10. $\dfrac{1}{3} \div 8$

A) $\dfrac{1}{3}$ B) $\dfrac{1}{24}$ C) $\dfrac{1}{11}$ D) None of these.