Worksheet **1.8**

Divisibility.

Determine whether the given number is divisible by 2, 3, 4, 5, 6, 8, 9, *and/or* 10. *See examples on pages 67-70 in text.*

1. 24

A) 2, 3, 4 B) 2, 3, 4, 6, 8 C) 2, 3, 4, 8 D) 2, 3, 4, 6

2. 6200

A) 2, 5, 8, 10 B) 2, 4, 5, 8, 10 C) 2, 4, 5, 8 D) 2, 4, 5

3. 179

A) 3, 5 B) 3, 9 C) 3 D) None

4. 209

A) 3 B) 3, 9 C) 3, 5 D) None

5. 22,997

A) 3 B) 5 C) 3, 9 D) None

6. 3526

A) 2, 3, 4 B) 2 C) 3, 4 D) 4

7. 10,974

A) 2, 3, 4 B) 2, 3, 6 C) 4, 5, 6 D) 3, 4, 6

Solve the problem. See examples on pages 67-70 in text.

8. 346 chocolates are to be packed into boxes each of which will contain 9 chocolates. How many boxes of chocolates will there be? How many chocolates will be left over?

A) 38 boxes; 4 chocolates left over B) 37 boxes; 4 chocolates left over

C) 38 boxes; no chocolates left over D) 37 boxes; 5 chocolates left over

9. David's company has to ship 3300 boxes of sprinklers. If a truck can hold 550 boxes, how many truckloads does he need to ship all the boxes?

A) 7 truckloads B) 6 truckloads C) 5 truckloads D) 4 truckloads

Estimate the answer by rounding as indicated. See examples on page 31 in text.

10. Estimate by first rounding to the nearest hundred.

$$\begin{array}{r} 424 \\ \times\ 134 \\ \hline \end{array}$$

A) 56, 800 B) 500 C) 56, 816 D) 40, 000