Part 5 Working with Remainders

Show how you solved each of the following problems. Explain how any remainders affected your answer.

1. Nine cereal boxes fit into one crate. How many crates are needed for 30 boxes of cereal?

2. Twenty-one children try out for two teams. The children decided that anyone who is not selected will be an umpire. There are three umpires. How many children are on each of the two teams?

3. Mrs. Roberts collected a total of $273 from the 90 students who are going on a field trip. Each student brought in $3. Is the total of $273 the correct amount? Explain.

4. Irma wants to read her 453-page book in 9 days. If she reads about the same number of pages each night, how many should she read a night?

Part 6 Multiplication and Division Practice

Use paper and pencil or mental math to solve the following problems. If you need more space to show your work, you may use a separate sheet of paper. Estimate to make sure your answers are reasonable. Use the *Multiplication* and *Division Strategies Menus* in the Reference section of the *Student Guide*.

1. **A.** $267 \times 7 =$ **B.** $6004 \times 8 =$ **C.** $30 \times 58 =$ **D.** $73 \times 400 =$

   E. $780 \div 8 =$ **F.** $269 \div 3 =$ **G.** $379 \div 2 =$ **H.** $467 \div 6 =$

2. Choose a problem from Question 1 and show how to solve it using mental math.

3. Explain your estimation strategy for Question 1E.

4. Write Question 1H as a multiplication problem using the divisor, quotient, and remainder in your answer.