

Name \_\_\_\_\_

to follow text page 119

**Problem Solving: Using the 5-Point Checklist**

**Practice**

Solve. Use the 5-point checklist. Identify problems where you do not have sufficient data to find the answer. Be prepared to identify the information you would need.

1. When Debbie moved to Guam in 1969, she was 8 years old. She lived there until 1983. How old was Debbie when she left Guam?
2. An auditorium has 2 equal sections of 38 rows. In each section, the first 6 rows have 9 seats. The rest of the rows have 12 seats. How many seats are in the auditorium altogether?
3. While travelling in England, Cecelia and her friends spent 2 nights at a guest house and paid a total of \$52. Cecelia paid the bill for everyone, and then her friends paid her back. How much does each friend owe Cecelia?
4. Yolanda, Troy, Eric and Carol drove into the city for dinner and a show. They paid \$6 to park, \$52 for the theater tickets and \$60 for dinner. They split the cost of the evening equally. How much money did Troy have left?
5. Ken drew 94 illustrations for an instruction manual. He spent about 2 hours on each full-page diagram and 1 hour on each chart or table. If 41 of the illustrations were full-page drawings, how much time did he work on the project altogether?

**Mixed Practice**

First estimate each answer. Then use a calculator to find the exact answer.

6. 
$$\begin{array}{r} 479 \\ \times 306 \\ \hline \end{array}$$

7. 
$$\begin{array}{r} 87 \\ \times 51 \\ \hline \end{array}$$

8. 
$$\begin{array}{r} 234 \\ \times 793 \\ \hline \end{array}$$

9. 
$$\begin{array}{r} 62 \\ \times 92 \\ \hline \end{array}$$

10. 
$$\begin{array}{r} 985 \\ \times 378 \\ \hline \end{array}$$

11. 
$$\begin{array}{r} 730 \\ \times 11 \\ \hline \end{array}$$