

## Check Your Progress

### Lessons 1–8

**Multiply.** Look for patterns.

(See pp. 66–67.)

1.  $10 \times 45$   
 $100 \times 45$   
 $1000 \times 45$

2.  $25 \times 2$   
 $25 \times 20$   
 $25 \times 200$   
 $25 \times 2000$

3.  $10 \times 0.3$   
 $100 \times 0.3$   
 $1000 \times 0.3$   
 $10,000 \times 0.3$

**Use rounding to estimate the product.**

(See pp. 68–69.)

4.  $62 \times 19$   
 $431 \times 156$

5.  $874 \times 26$   
 $5.49 \times 62.83$

6.  $54.2 \times 1.78$   
 $177.08 \times 2684$

**Round to estimate. Then find each product.**

(See pp. 68–73.)

10.  $709 \times 333$   
 $\$58.79 \times 209$

11.  $0.26 \times 9.3$   
 $8009 \times 3206$

12.  $382 \times 1101$   
 $\$13.50 \times 42$

**Write the standard form for each.**

(See pp. 74–75.)

16.  $2^4$   
17.  $3^4$

18.  $9^1$

19.  $5^3$

20.  $30^2$

**Write in scientific notation.**

(See pp. 76–77.)

21. 46,000

22. 309,000

23. 85,000,000

24. 9,020,000,000

**Write the standard form for each.**

25.  $9 \times 10^2$

26.  $6.1 \times 10^4$

27.  $3.88 \times 10^5$

28.  $5.167 \times 10^6$

### Problem Solving

(See pp. 78–81.)

29. Tim had \$672 in his bank account on October 1. He has since made three withdrawals of \$44.50 each, and one of \$128.95. He has also made two deposits of \$83.20. How much does he have in his account now?

30. Anna plans to buy 2.75 lb of cheese at \$2.96 per pound. She also wants 3 lb of potato salad that sells for \$3.45 per pound. She has \$25 in her wallet. Is this enough for the cheese and the potato salad?