

## Check My Progress *(Lessons 1 through 5)*

Write each power as a product of the same factor. Then find the value.

1.  $10^2$
2.  $14^3$
3.  $7^2$

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

Find the prime factorization of each number using exponents.

4. 50
5. 560

4. \_\_\_\_\_
5. \_\_\_\_\_

Find each product mentally.

6.  $60 \times 500 =$
7.  $240 \times 10^2 =$
8.  $96 \times 10^3 =$

6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_

Solve.

9. Mr. Gabriel bought  $10^2$  packages of pens. Each package contains 15 pens. How many pens did he buy?
10. Andre is helping his father build a toy box for his little brother. The amount of space inside the toy box can be found by multiplying its width, length, and height. Write the amount of space, using an exponent. Then evaluate.

9. \_\_\_\_\_
10. \_\_\_\_\_

