

# Independent Practice

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Write each product using an exponent. (Examples 1 and 2)

1.  $6 \times 6 =$

Show your work →

2.  $1 \times 1 \times 1 =$

3.  $5 \times 5 \times 5 \times 5 \times 5 \times 5 =$

4.  $12 \times 12 =$

5.  $27 \times 27 \times 27 \times 27 =$

6.  $15 \times 15 \times 15 =$

Write each power as a product of the same factor. Then find the value. (Examples 3–5)

7.  $6^4 =$

8.  $0.5^3 =$

9.  $\left(\frac{1}{8}\right)^2 =$

10. **CCSS Identify Repeated Reasoning** A byte is a basic unit of measurement for information storage involving computers. (Example 6)

a. A kilobyte is equal to  $10^3$  bytes. Write  $10^3$  as a product of the same factor. Then find the value.

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b. A megabyte is equal to  $10^6$  bytes. Write  $10^6$  as a product of the same factor. Then find the value.

\_\_\_\_\_

c. How many more bytes of information are in a gigabyte than a megabyte? \_\_\_\_\_

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