





For use with pages 13-17

**Practice**

Name \_\_\_\_\_

Date \_\_\_\_\_

Evaluate the expression for the given value of the variable.

- 16.  $y^2$  when  $y = 12$
- 17.  $b^5$  when  $b = 4$
- 18.  $w^3$  when  $w = 15$
- 19.  $v^6$  when  $v = 3$
- 20.  $s^4$  when  $s = 10$
- 21.  $m^8$  when  $m = 2$

Write the number as a power.

- 22. 25
- 23. 121
- 24. 64

25. Write each number in the pattern as a power: 1, 4, 9, 16, 25, ...

26. Computers store information in units called bits and bytes. A kilobyte is  $2^{10}$  bytes. Evaluate the power to find the number of bytes in a kilobyte.

27. In the metric system of weight, there are 1000 milligrams in one gram. Write the number of milligrams in one gram as a power.

28. The solid figure below is called a cube and is made of blocks that are all the same size. How many blocks make up the cube? Write the number of blocks that make up the cube as a power.

