**2.1 What is a Power?**

When an integer, other than 0, can be written as a product of equal factors, we can write the integer as a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.



For example, is \_\_\_\_\_\_\_\_\_\_\_\_\_.



6 is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.



4 is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.



is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of 6.

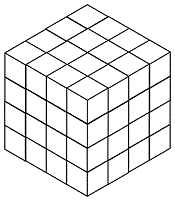
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A power with an integer base and exponent 2 is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.



When the base is a positive integer, we can illustrate a square number.







A power with an integer base and exponent 3 is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.



When the base is a positive integer, we can illustrate a cube number.



**Example (1):** Write as a power.

a) b)



**Example (2):** Write as repeated multiplication and in standard form,

a) b)



**Example (3):** Identify the base of each power, then evaluate the power.

a) b) c) )



H.W. (p. 55-56) #4, 5, 7-11, 13-17

