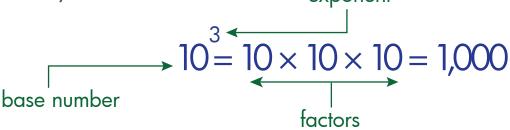
## Power Play: Exponents

The product of multiplying a number by itself is called a **power**. It is written as a **base number** and an **exponent**. The base number is the number being multiplied. The exponent shows how many times the base number is being multiplied by itself.

exponent



Write out the factors and find out the value.

Write out the value.

$$2^{7}$$

$$6^{3} =$$

## Power Play: Exponents

Write the value of the factors using exponents.

2 x 2 x 2	3 x 3 x 3 x 3 x 3	6x6x6x6x6	8 x 8 x 8 x 8
4 x 4	7 x 7 x 7	5 x 5 x 5 x 5	9 x 9
6x6x6	3 x 3 x 3	10 x 10 x 10 x 10	11 x 11

Fill in all the missing numbers

Factors	Number To Given Power	Standard Notation
3x3x3	3	27
2x2x2x2x2x2		
7x7x7x7		
12 x 12 x 12 x 12		