

SUPER THE V POWERS OF TEN

**What
exactly
are the
powers
of ten?**

“Powers of ten” describe numbers that are the product of a certain number of 10s.

You could also say that when you use 10 as a repeated factor, the resulting number is a “power of ten.”



You might also think about it this way – a “power of ten” is a number made by multiplying 10 by itself a certain number of times.



You can represent a power of ten in a variety of ways.

standard form	multiplication expression	exponent form	word form
100	10 x 10	10^2	ten to the second power (or ten squared)
1,000	10 x 10 x 10	10^3	ten to the third power (or ten cubed)
10,000	10 x 10 x 10 x 10	10^4	ten to the fourth power
100,000	10 x 10 x 10 x 10 x 10	10^5	ten to the fifth power

The exponent tells how many 10s are multiplied to create the number.



You might be wondering about 10^1 and 10^0 .



$$10^1 = 10$$

$$10^0 = 1$$