Name: Date: Date:

Nanochemistry

The smallest thing...

This table shows how scientists deal with very big numbers. Fill in the blank boxes in the table.

Number	Written as a multiple of ten	Written as a power of ten	One way to say it	Another way to say it
10	10	10	Ten	Ten
100	10×10	10 ²	Ten squared	One Hundred
1000	10×10×10			
10 000	10×10×10×10		Ten to the power of four	
1 000 000	10×10×10×10×10×10			
1 000 000 000	10×10×10×10×10×10 ×10×10×10			One Billion
10 000 000 000 000 000 000 000 000 000	10×10×10×10 10×10×10×10×10×10 10×10×10×10×10×10 10×10×10×10×10×10			Ten Thousand Million Million Million

Did you know?

- There are more stars in the sky than grains of sand on earth.
- The number of air molecules you breathe in, in one gulp, is about the same as all the stars in the Universe.



Answers

Number	Written as a multiple of ten	Written as a power of ten	One way to say it	Another way to say it
10	10	10	Ten	Ten
100	10×10	10 ²	Ten squared	One Hundred
1000	10×10×10	10 ³	Ten cubed	One Thousand
10 000	10×10×10×10	10 ⁴	Ten to the power of four	Ten Thousand
1 000 000	10×10×10×10×10×10	10 ⁶	Ten to the power of six	One Million
1 000 000 000	10×10×10×10×10×10 ×10×10×10	10 ⁹	Ten to the power of nine	One Billion
10 000 000 000 000 000 000 000 000 000	10×10×10×10 10×10×10×10×10×10 10×10×10×10×10×10 10×10×10×10×10×10	10 ²²	Ten to the power of twenty-two	Ten Thousand Million Million Million

