

<http://www.mathsisfun.com/numbers/scientific-notation.html>

# Scientific Notation

Unit 1: Scientific Measurements

# Scientific Notation!

- way of writing numbers that are too big or too small to be conveniently written in decimal form.

# Scientific Notation!

In scientific notation all numbers are written in the form of

$$a * 10^b$$

# Scientific Notation!

$$10000 = 1 \times 10^4$$

$$1000 = 1 \times 10^3$$

$$100 = 1 \times 10^2$$

$$10 = 1 \times 10^1$$

$$1 = 10^0$$

$$1/10 = 0.1 = 1 \times 10^{-1}$$

$$1/100 = 0.01 = 1 \times 10^{-2}$$

$$1/1000 = 0.001 = 1 \times 10^{-3}$$

$$1/10000 = 0.0001 = 1 \times 10^{-4}$$