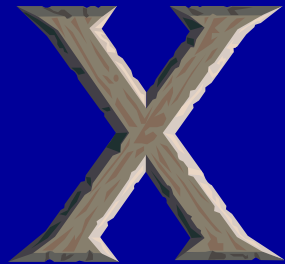


Scientific Notation



Scientific Notation

Rules:

1. First number: $1 \leq x < 10$
2. Multiply by $10^?$

Examples:

$$2500 = 2.5 \times 10^3$$

$$0.000379 = 3.79 \times 10^{-4}$$

$$993.4 = 9.934 \times 10^2$$

$$2.51 \times 10^3 = 2510$$

$$1.376 \times 10^{-5} = 0.00001376$$

Dealing With Exponents

- $10^A \cdot 10^B = 10^{A+B}$
- $10^A/10^B = 10^{A-B}$
- $\frac{1}{10^A} = 10^{-A}$