

Scientific Notation

$b \times 10^n$  where  $1 \leq b < 10$   
and  $n$  is an integer

used to represent very large or  
very small values

Write in scientific notation.

$$\begin{array}{l} 5600 \\ 5.6 \times 10^3 \end{array}$$

$$\begin{array}{l} \underline{0.00014783} \\ 1.4783 \times 10^{-4} \end{array}$$

$$(1.4 \times 10^7)(3.5 \times 10^{-3})$$

$$4.9 \times 10^4$$

$$(5 \times 3)(7 \times 5)$$

$$35 \times 8$$

$$(8.9 \times 10^{-2})(9.1 \times 10^{-6})$$

$$80.99 \times 10^{-8}$$

$$(8.099 \times 10^1) \times 10^{-8}$$

$$8.099 \times 10^{-7}$$

$$\frac{(2.8 \times 10^5)(9.8 \times 10^{-7})}{1.96 \times 10^8}$$

$$\begin{array}{l} 14 \times 10^{-10} \\ (1.4 \times 10^1) \times 10^{-10} \\ 1.4 \times 10^{-9} \end{array}$$

Rewrite in  
Sci. not.

$$\begin{array}{l} 49.8 \times 10^5 \\ 4.98 \times 10^1 \times 10^5 \\ \underline{4.98 \times 10^6} \end{array}$$