


## Scientific Notation - Review

Scientific Notation: a method for writing large and small numbers using a factor and a power of 10.

Form:  $a \times 10^n$

$$1 \leq a < 10$$

Represents the movement of the decimal point; power of 10.

Negative exponent = small numbers

Positive exponent = large numbers

Write the number in scientific notation.

1) The average distance from Earth to the sun is 92,960,000 miles.

Actual

$$9.296 \times 10^7$$

Estimate

$$9.0 \times 10^7$$

$$9.3 \times 10^7$$

2) An average size of a bacteria is 0.00000014 centimeters.

Actual

$$1.4 \times 10^{-7}$$

Estimate

$$1.0 \times 10^{-7}$$