

## Vocabulary

### Using Scientific Notation to Express Distances in Space

- 1. mean:** the number obtained by dividing the sum of the values in a set by the number of values (often called the average).
- 2. significant digits:** In a representation of a number, a digit that is needed for a given purpose, in particular a digit that must be kept to preserve a given accuracy or a given precision.
- 3. scientific notation:** a number written as a product of two factors. The first factor is a number greater than or equal to 1 but less than 10. The second factor is a power of 10.

Examples:  $16,500 = 1.65 \times 10^4$   
 $27,000,000 = 2.7 \times 10^7$