

# Scientific Notation

## Put a number into scientific notation:

1. Move the decimal point to the left so that the number is between one (1) and ten (10). **That means you should have only one place to the left of the decimal!**
2. If there are more than 4 decimal places, round the number to the thousandth place (3 digits to the right of the decimal).
3. Count the Number of places that you moved the decimal point.
4. The number of places the decimal point moved becomes the exponent for the 10.
5. Write the product of the number between one (1) and ten (10) and the exponent (or power) of ten

## Take a number out of scientific notation:

1. Find the exponent of 10.
2. Move the decimal point to the right the number of places that equals the exponent (i.e. exponent of 2 means move decimal point 2 places to the right.)
3. Drop the "x 10" part of the statement.