**Scientific Notation & Significant Digits**

**Learning Target:**

**The students will learn what Sc. Notation is and how to use it when using Significant Digits.**

**S. Notation: are used to make numbers shorter so they can fit into calculators.**

**Measurements can be put into S. notation by moving the decimal and counting how far you moved it to figure out the exponent.**

**Example:**

**6,000,000 = ??? in S.N.**

**6.0 x 106**

**Put the following into Sci. Notation and turn in.**

1. **12000**
2. **.000876**
3. **453000000**
4. **.001023**
5. **567000000000**
6. **.0000000000000102**

**\*\*Some times when you make a calculation it is necessary to use Scientific Notation in order to us the correct significant digits.**

**For Example:**

**Convert 152.003 Mi. / Hr to m/s. Be sure to us the correct number of significant digits.**