**Lesson 2.4b Multiplying/Dividing Scientific Notation**

**Multiplying:**

* **Steps:**

1. Multiply the bases of both scientific notation numbers
2. Add the exponents together
3. Make sure the numbers are in scientific notation

**Ex 1:** (5 \* ) \* (3 \* )

Step 1: (5 \* 3) = 15

Step 2: =

Step 3: 15 \*

1.5 \*

**1.5 \***

**Dividing:**

* **Steps:**

1. Divide the bases of both scientific notation numbers; if the number is a fraction, convert to decimal.
2. Subtract the exponents
3. Make sure the numbers are in scientific notation

**Ex 2:**

Step 1: ( ) = 2

Step 2: =

Step 3: **2 \***

**Ex 3:**

Step 1: ( ) = = 0.25

Step 2: =

Step 3: 0.25 \*

2.5 \*

**2.5 \***