

## **REVIEW: *Multiplying and Dividing with Scientific Notation***

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### **Multiplying**


Step 1: *Multiply the numbers out front.*


Step 2: *Set your answer to "x 10".*

Step 3: *Add the exponents and attach your answer to the "x 10" from STEP 2.*

**Remember:** *Your FINAL ANSWER MUST contain a number that is between 1 and 10.*

 *So, you MAY have to MOVE the DECIMAL point.....*

 *If you move the decimal point to the LEFT, ADD 1 to the EXPONENT in your answer.*

 *If you move the decimal point to the RIGHT, SUBTRACT 1 from the EXPONENT in your answer.*

## **Dividing**

Step 1: Set up the problem AS A FRACTION.

Step 2: Divide the numbers out front.

Step 3: Set your answer to "x 10".

Step 4: Subtract the exponents and attach your answer to the "x 10" from STEP 3.

**Remember:** Your FINAL ANSWER MUST contain a number that is between 1 and 10.



So, you MAY have to MOVE the DECIMAL point.....

➡ If you move the decimal point to the LEFT, ADD 1 to the EXPONENT in your answer.

➡ If you move the decimal point to the RIGHT, SUBTRACT 1 from the EXPONENT in your answer.

