Long division \_\_\_\_\_\_\_\_ works!



**Setting up for Long Division:**

1.) Write your dividend & divisor in \_\_\_\_\_\_\_\_\_\_.

\*If you are missing an exponent put in a \_\_\_\_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_\_\_.

2.) On the side of your paper, take the \_\_\_\_\_\_\_\_\_\_ of the \_\_\_\_\_\_\_\_\_\_ and divide it by the \_\_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_. Place the quotient \_\_\_\_\_\_\_ its \_\_\_\_\_\_\_\_\_\_\_.

3.) Multiply the newest term in the \_\_\_\_\_\_\_\_\_\_ by each term in the \_\_\_\_\_\_\_\_. Place the product "inside" \_\_\_\_\_\_\_\_\_ its \_\_\_\_\_\_\_\_\_\_\_\_.

4.) Put ( ) around the product and then \_\_\_\_\_\_\_\_\_.

5.) Bring down the next term in the \_\_\_\_\_\_\_\_\_\_ & repeat Steps 2 - 5 until the degree of the divisor is bigger than the degree of the dividend. This piece will become your \_\_\_\_\_\_\_\_\_\_.

**What will my answer look like?**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ +

Example: Divide using long division.



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