How to Write Numbers in Scientific Notation

1) Make the number greater than 1 but less than 10.

1,993 ➡ **1.993**

2) Put *x 10* behind the number.

1.993 **x 10**

3) Figure out *how many times* you had the move the decimal **TO THE LEFT**.

3 times

4) Fill in the exponent with the number of times you jumped

$1.993 \text{ X } 10^{3}$

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1) Make the number greater than 1 but less than 10.

12,000 ➡ **12**

2) Put *x 10* behind the number.

12 **x 10**

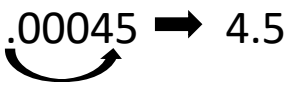
3) Figure out *how many times* you had the move the decimal **TO THE LEFT**.

4 times

4) Fill in the exponent with the number of times you jumped

$12 \text{ X } 10^{4}$

1) Make the number greater than 1 but less than 10.



2) Put *x 10* behind the number.

4.5 **x 10**

3) Figure out *how many times* you had the move the decimal **TO THE RIGHT**.

4 times

4) Fill in the exponent with the number of times you jumped. Make it **negative**.

$4.5 \text{ X } 10^{\mathbf{-4}}$

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1) Make the number greater than 1 but less than 10.

2) Put *x 10* behind the number.

6.02 **x 10**

3) Figure out *how many times* you had the move the decimal **TO THE RIGHT**.

7 times

4) Fill in the exponent with the number of times you jumped. Make it **negative**.

$6.02 \text{ X } 10^{\mathbf{-7}}$