Converting Metric Measurements

Kittens	hick	down	Under	dad's	car	motor
K	h	d	U	d	c	m
Kilo	Hecto	Deka	Base Unit	Deci	Centi	Milli

<u>Base Unit Measurements</u>:

Will have one letter because it is the base measurement.

Meter – m

Gram – g

Liter – L

<u>Examples of other measurements</u>:

Will have two letters because they use the prefix.

Kilo – kg, kL, km

256 m = _____ cm

Steps:

1 – Write the chart on your paper.

K	H	D	U	D	C	M

2 – Locate the starting measurement on the chart.

This is 256 m (meters)

K	H	D	U	D	C	M
			S			

3. Locate the measurement on the chart - ____ cm

K	H	D	U	D	C	M
			S		E	

4. determine the direction of movement

K	H	D	U	D	C	M
			S		E	

5. Count the number of jumps from the S to the E. (do not count the letters. Count the number of times you jump)

K	H	D	U	D	C	M
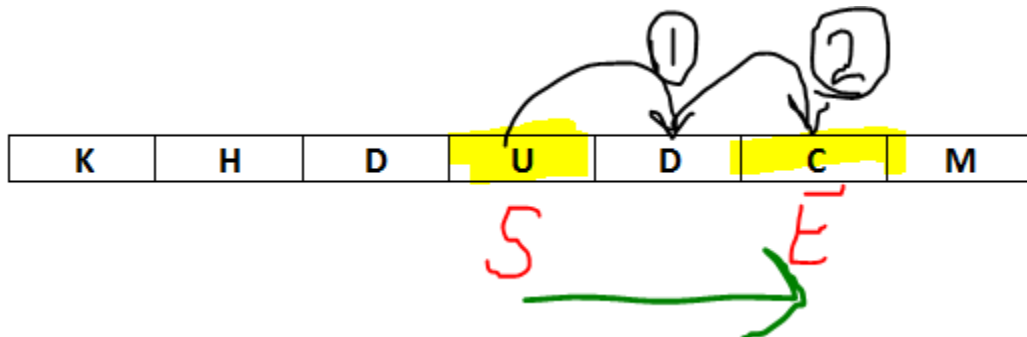
6. Move your decimal in your original problem.

If you don't see a decimal, it is located AT THE END of the number.

256 00.   Cross off the original decimal point and move it the number of jumps in the direction you are going.

7. The final answer is 25600 cm.

What is larger?

1 km _____ 1 m

The numbers are the SAME but the measurements are different. We can just the chart.

BIG	K	h	d	U	d	c	m	Small

1. Locate each measurement on the chart.

‖Km   ‖m

BIG	K	h	d	U	d	c	m	Small

2. The one if front is the larger unit.

1 km > 1 m

Remember the mouth eats the larger number.

Example # 2

3250 meters ＿＿ 3.5 kilometers

Front numbers are different – we NEED to convert one of them.

3250 meters ＝ ＿＿ Km

(follow the steps above for converting)

3.250

3250 meters = 3.250 Km

Measurements are now the same.

3.250 Km _____ 3.5 Km

We can now compare the NUMBERS only.

3.250 Km < 3.5 Km