METRIC CONVERSION

How to convert within the metric system



The Metric System is based on sets of 10. $1 \times 10 = 10$ $10 \times 10 = 100$ $10 \times 100 = 1,000$

The Metric System



Is used by

scientie

all over the world!

Do you remember...

King Henry?













Let's add the gram line:							
k	h	d	u	d	С	m	
⊢	+					-	
km kl <mark>kg</mark>	hm hl <mark>hg</mark>	dam dal dag	m I g	dm dl dg	cm cl cg	mm ml mg	

How to use this device:

- 1. Look at the problem. Look at the unit that has a number. On the device put your pencil on <u>that</u> unit.
- 2. Move to <u>new unit</u>, counting jumps and noticing the direction of the jump.
- 3. Move decimal in original number the same # of spaces and in the same direction.

Example #1:

(1) Look at the problem. $56 \text{ cm} = ____ \text{ mm}$

Look at the unit that has a number. 56 cm On the device put your pencil on that unit.







Add a zero as a placeholder.

Example #1:

56 cm = ____ mm

56cm = 560 mm

Example #2:

(1) Look at the problem. 7.25 L = kL Look at the unit that has a number. 7.25 L On the device put your pencil on that unit.







Move decimal to the left three jumps. Add two zeros as placeholders.









45,000 g = 45,000,000 mg

Three jumps to the right!

Example #4: Try this problem on your own: 5 cm = km k h d d С m U km dam hm dm m cm mm





5 cm = .00005 km

Five jumps to the left!

One last caution:

Be careful NOT to count the spot you start from, where you put your pencil point. Only count

the jumps!

