

NAME _____

Now it is time to practice! Measure the lines below with your ruler. Remember, when we are in my science class we are junior scientists! Be as precise and accurate as possible!! After you have measured your line convert the units.

1) _____ cm = _____ Dm

2) _____ cm = _____ mm

3) _____ cm = _____ Km

4) _____ cm = _____ Hm

5) _____ cm = _____ M

6) _____ cm = _____ dm

7) _____ cm = _____ cm

8) _____ cm = _____ Km

9) _____ cm = _____ dm

10) _____ cm = _____ Dm

DOUBLE CHECK YOUR WORK!!!

Name _____ Class _____

L

K H D M d c m

G

Since the metric system is set up by powers of ten it becomes easy to convert measurements between different units. However, you need to follow the steps properly in order to get the right answer. Lets try one...

56 Hm = _____ cm? (Remember if there is not a decimal then you need to make it visible after the whole number.)

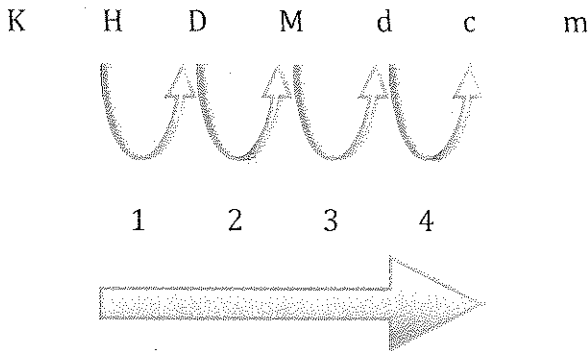
56. Hm

1) Mark your starting and ending point

K H D M d c m

X (start) x (finish)

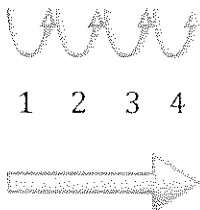
2) Count the number of "hops" that it takes to get from Hm to cm.



3) Make SURE you know which direction you made your hops so that you know which direction your decimal needs to move.

4) Now move the decimal the number of "hops" and the correct direction.

54. . (New decimal place. Be sure to erase the old one!)



5) Fill in all the empty hops with zero's.