

# Converting Made Easy

K H D BASE UNIT D C M

Kilo = 1000  
Hecta = 100  
Deca = 10  
Base Unit = 1  
Deci = 1/10  
Centi = 1/100  
Milli = 1/1000

Need to decide 2 things:

1. Which way to move decimal?
2. How much?

Kilo	Hecta	Deca	Base	Deci	Centi	Milli

King Henry Died By Drinking Chocolate Milk  
or  
Kangaroos Help Detect Bad Decorations Christmas Morning

When going from small to **BIG** move **decimal** to the **Left**. (S.B.L)

ex: 1234 mm = 123.4 cm  
= 1.234 m = .001234 km

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When going from **BIG** to small move **decimal** point to the **Right**. (B.S.R)

ex: 123 km = 123400 m  
= 12340000 cm  
= 123400000 mm

( $1.234 \times 10^9 = 1.2$  Billion Millimeters) **Scientific Notation**