

Converting Made Easy

K **H** **D** **BASE UNIT** **D** **C** **M**
(BIGGER Prefix (meter/liter/gram) smaller prefix)

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 Drove By Drinking Chocolate Milk



For Your Prefix Learning Pleasure

Tera = 1,000,000,000,000

Giga = 1,000,000,000

Mega = 1,000,000

Kilo = 1000

Base Unit = 1

micro = (10^{-6}) 1/1,000,000

nano = (10^{-9}) 1/1,000,000,000

pico = (10^{-12}) 1/1,000,000,000,000

Sample Problems on the board

(S.B.L) ex: 123 mm = 12.3 cm = .123 m

(B.S.R) ex: 123 km = 123000 m = 123000000 cm
= 1230000000 mm or $(1.23 \times 10^9 = 1.2 \text{ billion mm})$