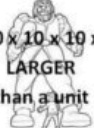


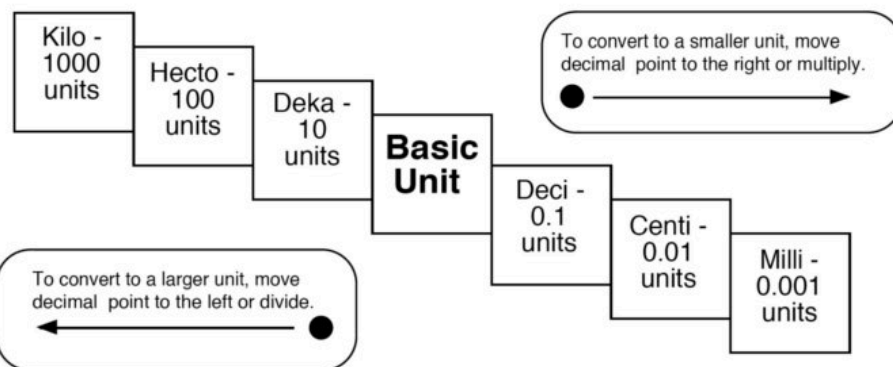
Metric Conversion

K _{ing}	H _{enry}	D _{ied}	U _{nusually}	D _{inking}	C _{hocolate}	M _{ilk}
Kilo	Hecto	Deca	* Unit *	Deci	Centi	Milli
10 x 10 x 10 x LARGER than a unit 	10 x 10 x LARGER than a unit	10 x LARGER than a unit	Meter (length) Liter (liquid volume) Gram (mass/weight) 1 unit	10 x SMALLER than a unit	10 x 10 x SMALLER than a unit	10 x 10 x 10 x SMALLER than a unit 
1 kilo = 1,000 units	1 hecto = 100 units	1 deca = 10 units		10 deci = 1 unit	100 centi = 1 unit	1,000 milli = 1 unit
km = kilometer kL = kiloliter kg = kilogram	hm = hectometer hL = hectoliter hg = hectogram	dam = decameter daL = decaliter dag = decagram	m = meter L = liter g = gram	dm = decimeter dL = deciliter dg = decigram	cm = centimeter cL = centiliter cg = centigram	mm = millimeter mL = milliliter mg = milligram
Example: 5 kilo	50 hecto	500 deca	5,000 units	50,000 deci	500,000 centi	5,000,000 milli

DIVIDE numbers by 10 if you are getting bigger (same as moving decimal point one space to the left)

MULTIPLY numbers by 10 if you are getting smaller (same as moving decimal point one space to the right)

Metric Conversion Chart



Prefix	Abbreviation	Exponential Multiplier	Meaning	Example using Length
giga	G	10^9	1000000000	1 gigameter (Gm) = 1000000000m
mega	M	10^6	1000000	1 megameter (Mm) = 1000000m
kilo	k	10^3	1000	1 kilometer (km) = 1000m
hecto	h	10^2	100	1 hectometer (hm) = 100m
deka	da	10^1	10	1 dekameter (dam) = 10m
			1	1 meter (m)
deci	d	10^{-1}	1/10	1 decimeter (dm) = 0.1m
centi	c	10^{-2}	1/100	1 centimeter (cm) = 0.01m
milli	m	10^{-3}	1/1000	1 millimeter (mm) = 0.001m
micro	μ	10^{-6}	1/1000000	1 micrometer (μ m) = 0.000001m
nano	n	10^{-9}	1/1000000000	1 nanometer (nm) = 0.000000001m
pico	p	10^{-12}	1/1000000000000	1 picometer (pm) = 0.000000000001m

Common Customary Measurements			
Length	Weight	Time	Capacity
1 foot = 12 inches 1 yard = 36 inches 1 yard = 3 feet 1 mile = 5,280 feet 1 mile = 1,760 yards	1 pound = 16 ounces 1 ton = 2,000 pounds	1 minute = 60 seconds 1 hour = 60 minutes 1 day = 24 hours 1 week = 7 days 1 year = 12 months 1 year = 365 days 1 leap year = 366 days	1 cup = 8 fluid ounces 1 pint = 2 cups 1 quart = 2 pints 1 quart = 4 cups 1 gallon = 4 quarts 1 gallon = 16 cups

liquid measures

