

Both Systems	
1 Foot=12 Inches = 0.33= 5280 Miles	
1 gallon = 4 quarts= 8 pints = 16 cups = 32 fluid ounces	
1 pound = 16 ounces	
200 pounds=ton	
Kilo Deca Unit Deci Centi Milli Micro nano pico	

Conversions from Imperial to Metric	
1 Pound =	454 g
1 yd =	0.914 m
1 qt =	0.946 L

Significant Figure Rules	
Nonzero=	Significant
Independent of Decimal =	73.14 = 4 SF
Zeros inbetween nonzeros =	Significant: 60.052 = 5 SF
Trailing Zeros con Decimal =	Significant: 4.70 = 3 SF: 100= 1SF but 100. = 3 SF

Scientific Notation Rules	
Convert # >1 =	OG Dec Goes <-
Convert # >1 =	Multiply 10^x
Convert # <1 =	OG Dec goes ->
Convert # <1 =	Multiply 10^-x

Multiplying & Dividing Sig Fig	
Fewest SF =	# used

Adding & Subtracting SigFig	
Least # after Dec =	Sig Fig
Ex: 2.55+2.5=	5.0
Sig Fig right of Dec=	Right of Sig fig

Adding & Subtracting Sci Nota	
Convert to	standard form
Make Exponents	similar

Conversions Between F,C, & K	
F to C=	(F-32)/(5/9)
C to F=	(9/5)C+31
C to K	C+273.15

Energy Conversions	
1 calorie=	4.18 Joules (J)
kcal=	1 Calorie= 1000 calories

Calculating Density	
Density=	m/V

Calculating Density	
Density=	m/V

Specific Gravity	
Specific Gravity=	Density of object/Density of water

