

Units and Equivalences

<u>Customary System</u>	<u>Metric System</u>
Length 12 inches (<i>in</i>) = 1 foot (<i>ft</i>) 3 feet (<i>ft</i>) = 1 yard (<i>yd</i>) 5280 feet (<i>ft</i>) = 1 mile (<i>mi</i>)	Length 10 millimeters (<i>mm</i>) = 1 centimeter (<i>cm</i>) 100 centimeter (<i>cm</i>) = 1 meter (<i>m</i>) 1000 meter (<i>m</i>) = 1 kilometer (<i>km</i>)
Mass (weight) 16 ounces (<i>oz</i>) = 1 pound (<i>lb</i>) 2000 pound (<i>lb</i>) = 1 ton (<i>T</i>)	Mass (weight) 1000 milligrams (<i>mg</i>) = 1 gram (<i>g</i>) 1000 grams (<i>g</i>) = 1 kilogram (<i>kg</i>) 1000 kilogram (<i>kg</i>) = 1 metric tonne (<i>mT</i>)
Volume 3 teaspoons (<i>tsp</i>) = 1 tablespoon (<i>Tbsp</i>) 16 tablespoons (<i>Tbsp</i>) = 1 cup (<i>c</i>) 8 fluid ounces (<i>fl oz</i>) = 1 cup (<i>c</i>) 2 cup (<i>c</i>) = 1 pint (<i>pt</i>) 2 pint (<i>pt</i>) = 1 quart (<i>qt</i>) 4 quart (<i>qt</i>) = 1 gallon (<i>gal</i>)	Volume 1000 milliliters (<i>mL</i>) = 1 liters (<i>L</i>)

Time

60 seconds (*sec*) = 1 minute (*min*)

24 hour (*hr*) = 1 day (*day*)

60 minute (*min*) = 1 hour (*hr*)

365 day (*day*) = 1 year (*yr*)

The metric system is nice because you can just use the prefix (first part) of each word to determine the number of places to move the decimal because everything is a power of 10.

If you are moving to a prefix on the right move the decimal to the left

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Kilo	Hecto	Deca	Meters Liters Grams	Deci	Centi	Milli
1000	100	10	1	0.1	0.01	0.001