

Houston Community College

The standard units in the metric system are:

Length: 1 meter or 1 m

Weight: 1 gram or 1 g

Volume: 1 liter or 1 L

1 kilometer (km)	= 10 hectometers	= 1000	meters
1 hectometer (hm)	= 10 dekameters	= 100	meters
1 dekameter (dkm)	= 10 meters	= 10	meters
1 meter (m)	= 10 decimeters	= 1	meters
1 decimeter (dm)	= 10 centimeters	= 0.1	meters
1 centimeter (cm)	= 10 millimeters	= 0.01	meters
1 millimeter (mm)	=	= 0.001	meters

12 inches	= 1 foot	16 ounces	= 1 pound
3 feet	= 1 yard	2000 pounds	= 1 ton
5280 feet	= 1 mile		

60 seconds	= 1 minute	3 teaspoons	= 1 tablespoon
60 minutes	= 1 hour	2 cups	= 1 pint
24 hours	= 1 day	2 pints	= 1 quart
7 days	= 1 week	4 quarts	= 1 gallon
365 days	= 1 year		
52 weeks	= 1 year		

1 inch	= 2.54 centimeters	1 centimeter	= 0.39 inches
1 foot	= 0.30 meters	1 meter	= 3.28 feet
1 yard	= 0.91 meters	1 meter	= 1.09 yards
1 mile	= 1.61 kilometers	1 kilometer	= 0.62 miles
1 quart	= 0.95 liters	1 liter	= 1.06 quarts
1 pound	= 0.45 kilograms	1 kilogram	= 2.2 pounds

For Example:



1 kilobuck
(1 thousand dollar bill)



1 hectobuck
(1 hundred dollar bill)



1 dekabuck
(1 ten dollar bill)



1 buck
(1 dollar bill)



1 decibuck
(1 dime)



1 centibuck
(1 penny)



1 millibuck
($\frac{1}{10}$ of a penny)

The above model is based upon hypothetical units.