

Within the Metric System

Value	Prefix	Linear	Weight/Mass	Capacity
1000	Kilo	Kilometer (km)	Kilogram (Kg)	Kiloliter (kl)
100	Hecto	Hectometer (hm)	Hectogram (hg)	Hectoliter (hl)
10	Deka	Dekameter (dam)	Dekagram (dag)	Dekaliter (dal)
1		Meter (m)	Gram (g)	Liter (L)
1/10	Deci	Decimeter (dm)	Decigram (dg)	Deciliter (dl)
1/100	Centi	Centimeter (cm)	Centigram (cg)	Centiliter (cl)
1/1000	Milli	Millimeter (mm)	Milligram (mg)	Milliliter (ml)

Within the U.S. System

Linear	Measure
12 inches (in) =	1 foot (ft)
3 feet (ft) =	1 yard (yd)
36 inches =	1 yard (yd)
5280 feet	1 mile (mi)
1760 yard	1 mile (mi)
Weight	Measure
16 ounces (oz) =	1 pound (lb)
2000 pounds =	1 ton (T)
Capacity	Measure
8 fl oz =	1 cup (c)
2 cups =	1 pint (pt)
2 pints =	1 quart (qt)
4 quarts =	1 gallon (gal)

Unit Fraction:

Units going to
Units coming from

Misc. Formulas

$$C = \frac{5}{9}(F - 32)$$

$$F = \frac{9}{5}C + 32 \text{ or } F = 1.8C + 32$$

**Between U.S. and
Metric Systems**

Metric	U.S. System
Linear	Measure
1m ≈	1.09yd
1km ≈	0.62mi
2.54cm =	1in
Capacity	Measure
1L ≈	1.06qt
29.57ml ≈	1fl oz
Weight	Measure
1kg ≈	2.20lb
28.35g ≈	1oz