

Conversions

U.S. System:

length

12 in = 1 ft
3 ft = 1 yd
5280 ft = 1 mi

weight

16 oz = 1 lb
2,000 lb = 1 ton

volume

8 fl oz = 1 c
2 c = 1 pt
4 c = 2 pt = 1 qt
4 qt = 1 gal
1 gal = 231 in³

other

1 acre = 43,560 ft²
640 acres = 1 mi²
144 in² = 1 ft²
9 ft² = 1 yd²
27 ft³ = 1 yd³

Metric System:

| | | | | | | |
|---|---|----|--------|---|---|---|
| k | h | da | grams | d | c | m |
| | | | liters | | | |
| | | | meters | | | |

length

1 km = 1000 m
1 m = 100 cm
1 m = 1000 mm

weight

1 kg = 1000 g
1 g = 1000 mg

volume

1 L = 1000 ml
1 mL = 1 cm³ = 1 cc

Conversions Between the Metric and the U.S. System:

length

1 m ≈ 3.2808 ft
1.609 km ≈ 1 mi
2.54 cm = 1 in
1 m ≈ 1.0936 yd

weight

28.35 g ≈ 1 oz
454 g ≈ 1 lb
1 kg ≈ 2.2 lb
908 kg ≈ 1 ton

volume

1L ≈ 1.06 qt
1L ≈ 33.8 fl oz
3.785 L ≈ 1 gal

other

1 min = 60 s
1 hr = 60 min
1 hr = 3,600 s
 $F = \frac{9}{5}C + 32^{\circ}$
 $C = \frac{5(F-32^{\circ})}{9}$