

MEASUREMENT AND CONVERSION TABLE

U. S. CUSTOMARY SYSTEM

1 yd = 3 ft	3 tsp = 1 T
1 ft = 12 in	16 T \approx 1 cup
1 fathom = 6 ft	1 cup = 8 oz (liquid capacity)
1 mi = 5,280 ft	1 pt = 2 cups
1 acre = 43,560 ft ²	1 qt = 2 pt
1 lb = 16 oz (dry weight)	1 gal = 4 qt
1 ton = 2000 lb	1 gal \approx 231 in ³
	1 ft ³ \approx 7.48 gal

METRIC SYSTEM

1 m = 1,000,000 microns (μ)	1 hectare (ha) = 10,000 m ²
1 m = 1000 mm	1 kg = 1000 g
1 m = 100 cm	1 g = 1000 mg
1 m = 10 dm	1 kL = 1000 L
1 km = 1000 m	1 L = 1000 mL
1 cm = 10 mm	1 cm ³ = 1 mL
	1 m ³ = 1000 L

CONVERSION BETWEEN THE U. S. CUSTOMARY AND THE METRIC SYSTEM

1 in. = 2.54 cm	1 lb \approx 453.6 g
1 m \approx 39.37 in.	1 oz \approx 28.35 g
1 mi \approx 1.609 km	1 kg \approx 2.205 lb
1 kwh = 3,413 Btu	1 pt \approx 473.2 cm ³
1 lb. = 4.448 N (Newtons)	1 L \approx 1.057 qt
	1 tsp = 5 mL
	1 ft ³ \approx 28.32 L

GEOMETRIC FORMULA SHEET

PERIMETER

Rectangle: $P = 2l + 2w$

Circle: $C = \pi d$ or $C = 2\pi r$

AREA

Rectangle: $A = lw$

Parallelogram: $A = bh$

Triangle: $A = \frac{1}{2}bh$

Trapezoid: $A = \frac{h}{2}(b + c)$

Circle: $A = \pi r^2$

VOLUME

Rectangular solid: $V = lwh$

Right Circular Cylinder: $V = \pi r^2 h$

Right Circular Cone: $V = \frac{1}{3}\pi r^2 h$

Sphere: $V = \frac{4}{3}\pi r^3$

Rectangular Pyramid: $V = \frac{1}{3}lwh$