

Conversion Factors – Formula Sheet:

Distance:	Volume:	Mass/Weight:	Metric System:
1 cm = 10 mm	1 L = 1000 mL	1 amu = 1.66×10^{-24} g	Exa = 10^{18}
1 in = 2.54 cm	1 mL = 1 cm ³	1 oz = 28.35 g	Peta = 10^{15}
1 ft = 12 in	1 m ³ = 1000 L	1 lb = 16 oz	Tera = 10^{12}
1 ft = 30.48 cm	1 gal = 3.785 L	1 lb = 453.6 g	Giga = 10^9
1 yard = 3 ft	1 gal = 4 qts	1 kg = 1000 g	Mega = 10^6
1 m = 100 cm	1 qt = 2 pints	1 kg = 2.2 lbs	Kilo = 10^3
1 m = 3.281 ft	1 pt = 2 cups	1 ton = 2000 lbs	Hecto = 10^2
1 km = 1000 m	1 cup = 8 fl oz	1 metric ton = 1000 kg	Deca = 10^1
1 mi = 1.609 km	1 fl oz = 29.57 mL		Base = 1
1 mi = 5280 ft	1 cup = 16 Tbsp	Time:	Deci = 10^{-1}
1 mi = 8 furlongs	1 Tbsp = 3 tsp	1 min = 60 s	Centi = 10^{-2}
1 Å = 1×10^{-10} m	1 gal = 16 cups	1 hr = 60 min	Milli = 10^{-3}
1 Light-year = 9.46×10^{12} km	1 gal = 128 fl oz	1 day = 24 hrs	Micro = 10^{-6}
		1 week = 7 days	Nano = 10^{-9}
Energy:	Pressure:	1 month = 30 days	Pico = 10^{-12}
1 cal = 4.184 J	1 atm = 760 torr	1 year = 12 months	Femto = 10^{-15}
1 Cal = 1000 cal	1 atm = 760 mm Hg	1 year = 52 weeks	Atto = 10^{-18}
1 kJ = 1000 J	1 atm = 101.3 kPa	1 year = 365.24 days	
1 eV = 1.6×10^{-19} J	1 atm = 14.7 psi	1 Leap year = 366 days	
1 kWh = 3.6×10^6 J	1 bar = 100 kPa	1 Decade = 10 years	
1 BTU = 1.055 kJ	1 kPa = 1000 Pa	1 Century = 100 years	
1 ft-lb = 1.356 J	1 Pa = 1 N/m ²	1 Millenium = 1000 yrs	
Power:	Angles:	Area:	Quantity:
1 kW = 1000 W	360° = 2π Radians	1 mi ² = 640 acres	1 dozen = 12
1 hp = 746 W	1 Radian = 57.3°	1 acre = 43,560 ft ²	1 mol = 6.02×10^{23}
1 ft-lb/s = 1.36 W	1° = 0.017453 Radians		