

Metric Conversion Chart

(See <http://microimg.com/science> for conversion of many various units of measure)

Mass:

1.0 Avoirdupois pound (lb) = 0.454 kilogram (kg) = 454 grams (g)
1.0 kilogram (kg) = 2.2 pounds (lb) = 35.2 Avoirdupois ounces (oz) = 32.15 Troy ounces
1.0 Avoirdupois ounce (oz) = 0.9115 Troy ounce = 0.0284 kilograms (kg) = 28.4 grams (g)
1 short ton (T) = 2000 pounds (lb) = 907.2 kilograms (kg) = 0.893 Long ton = 0.907 metric tonne

Length:

1 inch (in) = 2.54 centimeters (cm)
1 centimeter (cm) = 0.394 inch (in)
1 foot (ft) = 30.48 centimeters (cm)
1 yard (yd) = 91.44 centimeters (cm) or 0.9144 meter (m)
1 meter (m) = 3.28 feet (ft) or 1.0936 yard (yd)
1 mile (mi) = 1.61 kilometers (km)
1 kilometer (km) = 0.621 mile (mi)

Volume:

1 quart (qt) = 0.946 liter (L)
1 liter (L) = 1.057 quarts (qt)
1 cup (c) = 0.24 liter (L)
1 pint (pt) = 0.47 liter (L)
1 quart (qt) = 0.95 liter (L)
1 U.S. bushel (bu) = 35.24 liters (L)
1 liter (L) = 0.2838 bushel (bu)
1 U.S. gallon (gal) = 3.785 liters (L)
1 liter (L) = 0.2642 gallon (gal)
1 cubic foot (ft³) = 28.32 liters (L)
1 cubic yard (yd³) = 0.76 cubic meter (m³)
1 liter (L) = 61.02 cubic inches (in³)

Area:

1 acre = 0.4047 hectare
1 hectare = 2.47 acres
1 square meter (m²) = 1550 square inches (in²) = 1.196 square yards (yd²) = 10.76 square feet (ft²)
1 square inch (in²) = 6.45 square centimeters (cm²)
1 square foot (ft²) = 0.0929 square meters (m²)

Energy/Work:

1 Joule (J) = 0.00094 British thermal units (BTU) = 1 Watt s⁻¹
1 British thermal unit (BTU) = 1055 Joules (J) = 0.252 kilocalories (kcal)