

SI Units and Conversion Factors

Length

| | | |
|-------------------|---|-------------------------------|
| 1 meter (m) | = | 1.0936 yards (yd) |
| 1 centimeter (cm) | = | 0.39370 inch (in) |
| 1 inch (in) | = | exactly 2.54 centimeters (cm) |
| 1 kilometer (km) | = | 0.62137 mile (mi) |
| 1 mile (mi) | = | 5280 feet (ft) |
| | = | 1.6093 kilometers (km) |

Volume

| | | |
|----------------|---|-------------------------------------------------------|
| 1 Liter (L) | = | 0.001 cubic meters ($1 \times 10^{-3} \text{ m}^3$) |
| | = | 1 cubic decimeter (dm^3) |
| | = | 1.0567 quarts (qt) |
| 1 gallon (gal) | = | 4 quarts (qt) |
| | = | 8 pints (pt) |
| | = | 3.7854 liters (L) |
| 1 quart (qt) | = | 32 fluid ounces (oz) |
| | = | 0.94635 liter (L) |

Mass

| | | |
|-----------------|---|-------------------------------------------|
| 1 kilogram (kg) | = | 1000 grams ($1 \times 10^3 \text{ gr}$) |
| | = | 2.2046 pounds (lb) |
| 1 pound (lb) | = | 453.59 grams (gr) |
| | = | 0.45359 kilogram (kg) |
| | = | 16 ounces (oz) |

Pressure

| | | |
|--------------------|---|----------------------------------------------------------------|
| 1 atmosphere (atm) | = | 101.325 kilopascals (kPa) |
| | = | 760 torr (mm Hg) |
| | = | 14.70 pounds per square inch (psi or lb/in^2) |

Energy

| | | |
|-----------------|---|-----------------------|
| 1 joule (J) | = | 0.23901 calorie (cal) |
| 1 calorie (cal) | = | 4.184 joules (J) |