



Conversion Factors

<u>Imperial to Metric / S.I.</u>	<u>Metric / S.I. to Imperial</u>
<p>Length 1 inch = 25.4mm 1 foot = 0.3034 m 1 yard = 0.9144 m 1 mile = 1.60 km</p> <p>Surface 1 sq. in = 6.452 cm² 1 sq foot = 0.093 m² 1 sq yard = 0.836 m² 1 acre = 0.405 ha 1 sq mile = 259. 1 ha 1 sq mile = 2.590 km²</p> <p>Volume 1 cubic inch = 16.3871 cm³ 1 cubic foot = 0.02832 m³ 1 cubic yard = 0.765 m³</p> <p>Capacity 1 fluid oz. = 28.4131 ml. 1 pint = 1.137 l 1 liq quart (U.S.) = 0.9463 l 1 gallon (imperial) = 4.546 l 1 gallon (U.S.) = 3.785 l</p> <p>Weight 1 ounce (Troy) = 31.103 g 1 ounce (avdp.) = 28.35 g 1 pound (Troy) = 373.242 g 1 pound (avdp.) = 453.592 g 1 short ton = 0.907 t 1 long ton = 1.016 t</p> <p>Velocity 1 fps = 0.3048 m/s 1 fpm = 0.00508 m/s 1 mph = 1.60934 km/h</p> <p>Power 1 BTU/h (intl.) = 0.23907 W 1 BTU/s (intl.) = 1.05506 kW 1 HP = 1.341 kW</p> <p>Temperature 1 °F = 1.8 x °C + 32</p> <p>Torque 1 lb-ft = 1.355 Nm</p> <p>Energy 1 ft-lb = 1 J</p> <p>Pressure 1 lb/sq in = 6.8966 kPa</p>	<p>Length 1 cm = 0.3937 inches 1 dm = 0.3281 feet 1 m = 3.281 feet 1 m = 1.094 yds. 1 km = 0.6214 miles</p> <p>Surface 1 cm² = 0.155 sq inch 1 m² = 10.76 sq ft. 1 m² = 1.196 sq yds. 1 ha = 2.471 acres 1 km² = 0.386 sq miles.</p> <p>Volume 1 cm³ = 0.061 cubic in. 1 dm³ = 0.035 cubic ft. 1 m³ = 1.308 cubic yds.</p> <p>Capacity 1 l = 0.880 pint 1 l = 0.9083 liq quart (U.S.) 1 l = 0.220 gallon (imperial) 1 l = 0.2642 gallon (U.S.)</p> <p>Weight 1 g = 0.032 ounce (Troy) 1 g = 0.035 ounce (avdp.) 1 kg = 2.679 lb (Troy) 1 kg = 2.205 lb (avdp.) 1 t = 1.102 short tons 1 t = 0.9843 long tons.</p> <p>Velocity 1 m/s = 3.2808 fps 1 m/s = 196.85 fpm 1 km/h = 0.62137 mph</p> <p>Power 1 W = 4.1829 BTU/h (intl.) 1 kW = 0.9478 BTU/s (intl.) 1 kW = 0.7457 HP</p> <p>Temperature 1 °C = 0.555 x (°F - 32)</p> <p>Torque 1 Nm = 0.738 lb-ft</p> <p>Energy 1 J = 0.730 ft-lb 1 kWh = 3412 BTU</p> <p>Pressure 1 kPa = 0.145 lb/sq in</p>