

**Summary of Approximate Conversion Factors
Customary to Metric Conversion**

To Convert	Into	Multiply By	Conversion Fact
Length			
inches (in)	centimetres (cm)	2.5	1 in = 2.5 cm
feet (ft)	centimetres (cm)	30	1 ft = 30 cm
yards (yd)	metres (m)	0.9	1 yd = 0.9 m
miles (mi)	kilometres (km)	1.6	1 mi = 1.6 km
Area			
square inches (in ²)	square centimetres (cm ²)	6.5	1 in ² = 6.5 cm ²
square feet (ft ²)	square metres (m ²)	0.09	1 ft ² = 0.09 m ²
square yards (yd ²)	square metres (m ²)	0.8	1 yd ² = 0.8 m ²
Mass (weight)			
ounces (oz)	grams (g)	28	1 oz = 28 g
pounds (lb)	kilograms (kg)	0.454	1 lb = 0.454 kg
pounds (lb)	grams (g)	454	1 lb = 454 g
Volume			
ounces (oz)	millilitres (mℓ)	30	1 oz = 28 mℓ
pints (pt)	litres (ℓ)	0.47	1 pt = 0.47 ℓ
quarts (qt)	litres (ℓ)	0.95	1 qt = 0.95 ℓ
gallons (gal)	litres (ℓ)	3.8	1 gal = 3.8 ℓ
cubic inches (in ³)	cubic centimetres (cm ³)	16.39	1 in ³ = 16.39 cm ³
cubic feet (ft ³)	cubic metres (m ³)	0.03	1 ft ³ = 0.03 m ³
cubic yards (yd ³)	cubic metres (m ³)	0.76	1 yd ³ = 0.76 m ³
Temperature			
Fahrenheit (F)	Celsius (C)	Use	$C = \frac{F - 32}{1.8}$ or $C = \frac{5}{9}(F - 32)$