

General Conversion Factors

To Convert	To	Multiply by
Length		
Inches (in)	Centimetres (cm)	2.54
Feet (ft)	Centimetres	30.48
Feet	Metres (m)	0.3048
Yards (yd)	Metres	0.9144
Miles (land)*	Metres	1,609.3
Miles (land)	Kilometres (km)	1.609
Nautical Miles (UK)	Kilometres	1,853.27
Area		
Square inches (in ²)	Square centimetres (cm ²)	6.452
Square feet (ft ²)	Square centimetres	929.0304
Square feet	Square metres (m ²)	0.092903
Square yards (yd ²)	Square metres	0.836
Acres	Square metres	4046.86
Acres	Hectares (ha)	0.404686
Acres	Square kilometres (km ²)	0.004047
Square miles	Square kilometres	2.58999
Capacity / Volume		
Cubic inches (in ³)	Cubic centimetres (cm ³)	16.387
UK Pints	Litres (l)	0.5683
UK Gallons	Litres	4.546
US Gallons	Litres	3.785
Cubic feet (ft ³)	Litres	28.317
Cubic yards (yd ³)	Cubic metres (m ³)	0.76
Cubic feet	Cubic metres	0.0283
UK Gallons	US gallons	1.20095
US Gallons	UK gallons	0.832674
Weight / Mass		
Ounces, avoirdupois (oz)	Grams (g)	28.3495
Pounds, avoirdupois (lb)	Grams	453.59237
Pounds	Kilograms (kg)	0.45359
Long tons*	Tonnes (t)	1.01605
Long tons (cwt)*	Kilograms	1016.05
Hundredweights	Kilograms	50.8
Velocity		
Miles per hour	Feet per minute	88.0
Miles per hours	Kilometres per hour	1.609344
Miles per UK gallon	Kilometres per litre	0.35401
Miles per US gallon	Kilometres per litre	0.42514
Pressure		
Pounds per square inch	kiloGrams per square centimetre	0.0703

*Footnote: 1 land mile — 5280ft 1 UK Nautical mile — 6080ft
 1 hundredweight — 112lb 1 UK Nautical mile — 6080ft

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To Convert	To	Multiply by	
Length			
Centimetres	Inches	0.3937	
Metres	Feet	3.2808	
Metres	Yards	1.0936	
Kilometres	Miles (land)	0.62137	
Kilometres	Nautical Miles (UK)	0.53961	
Area			
Square centimetres	Square inches	0.1550	
Square metres	Square feet		
Square metres	Square yards		
Hectares	Acres		
Square kilometres	Acres		
Square kilometres	Square miles		
Capacity / Volume			
Cubic centimetres	Cubic inches	0.06102	
Litres	UK Pints		
Litres	UK Gallons		
Litres	US Gallons		
Litres	Cubic feet		
Cubic metres	Cubic yards		
Cubic metres	Cubic feet		
Weight / Mass			
Grams	Ounces, avoirdupois	0.03527	
Kilograms	Pounds, avoirdupois		2.20462
Tonnes	Long tons		0.984207
Velocity			
Feet per minute	Miles per hour	0.1134	
Kilometres per hour	Miles per hours	0.62137	
Kilometres per litre	Miles per UK gallon	2.82481	
Kilometres per litre	Miles per US gallon	2.35215	
Pressure			
Kilograms per square centimetre	Pounds per square inch	0.0703	
Temperature			
Fahrenheit to Celsius — Subtract 32, multiply by 0.5555 Celsius to Fahrenheit — Multiply by 1.8, add 32.			