

# Metric and English Conversion Table



## Linear Measure

1 km	=	0.6214 mi	1 mi	=	1.61 km
1 m	=	0.000621371 mi	1 mi	=	1610 m
1 m	=	3.28 ft	1 ft	=	.305 m
1 cm	=	0.3937 in	1 in	=	2.54 cm
1 mm	=	.03937 in	1 in	=	25.4 mm

## Square Measure

1 km <sup>2</sup>	=	0.3861 mi <sup>2</sup>	1 mi <sup>2</sup>	=	2.59 km <sup>2</sup>
1 m <sup>2</sup>	=	10.76 ft <sup>2</sup>	1 ft <sup>2</sup>	=	.093 m <sup>2</sup>
1 cm <sup>2</sup>	=	0.155 in <sup>2</sup>	1 in <sup>2</sup>	=	.65 cm <sup>2</sup>
1 mm <sup>2</sup>	=	0.00155 in <sup>2</sup>	1 in <sup>2</sup>	=	845.2 mm <sup>2</sup>

## Liquid Measure

1 litre	=	0.264 U.S. Gal.	1 U.S. Gal.	=	3.79 litre
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## Weight Measure

1 kg	=	2.2 lbs	1 lb	=	.455 kg
1 kg	=	35.274 ozs	1 oz	=	.028 kg

## Force Measure

1 Newton (N)	=	.225 lbs	1 lb	=	4.448 N
1 daN	=	2.2 lbs	1 lb	=	.455 daN
1 Kg Force	=	9.8 Newton (N)	1 N	=	.102 Kg Force
1 Kilopound	=	9.5 Newton (N)	1 N	=	.105 Kilopound
1 Pound/Inch	=	175.127 Newton/Metre	1 N/M	=	.0057 Pound/Inch
1 Pound/Foot	=	14.59 Newton/Metre	1 N/M	=	.0685 Pound/Foot

## Pressure Measure

1 Bar	=	14.5 P.S.I.	1 P.S.I.	=	.0690 Bar
1 Kg/m <sup>2</sup>	=	9.8 Newton/Metre <sup>2</sup>	1 N/m <sup>2</sup>	=	.102 Kg/m <sup>2</sup>
1 Kg/m <sup>2</sup>	=	9.8 Pascal (Pa)	1 Pa	=	.102 Kg/m <sup>2</sup>
1 Kilonewton/Metre	=	0.145 P.S.I.	1 P.S.I.	=	6.897 lb./ft.

## Power Measure

1 BTU/hour	=	.0293 Watt(W)	1 Watt	=	3.413 BTU/hour
Horsepower (550 ft.lbs/s)	=	.745 Kilowatt	1 KW	=	1.342 HP

## Temperature Measure

Fahrenheit to Celsius	=	tc = (tf-32)/1.8
Celsius to Fahrenheit	=	tf = 1.8 tc + 32
1 min <sup>-1</sup>	=	1 RPM