

**CUSTOMARY/ METRIC CONVERSIONS  
(APPROXIMATE)**

Customary		Metric	Metric		Customary
Inches (in)	x	25.4 = millimeters	millimeters (mm)	x	.04 = inch
Feet (ft)	x	.3 = meter	Meters (m)	x	3.3 = feet
Yards (yd)	x	.9 = meter	Meters (m)	x	1.1 = yards
Miles (mi)	x	1.6 = Kilometers	Kilometers (km)	x	.6 = mile
Square inches (in <sub>2</sub> )	x	6.5 = sq centimeters	Sq centimeters (cm <sub>2</sub> )	x	.2 = sq. inch
Square feet (ft <sub>2</sub> )	x	.1 = sq meter	Square meters (m <sub>2</sub> )	x	10.8 =sq. feet
Square yards (yd <sub>2</sub> )	x	.8 = sq meter	Square meters (m <sub>2</sub> )	x	1.2 =sq yards
Acres	x	.4 = hectare	Hactares (ha)	x	2.5 =acres
Cubic feet (ft <sub>3</sub> )	x	.03 = cu meter	Cu meters (m <sub>3</sub> )	x	35.3 =cu feet
Cord (cd)	x	3.6 = cu meter	Liters (l)	x	1.1 =quarts(ql)
Quarts (lq) (qt)	x	.9 = liter	Cu meters (m <sub>3</sub> )	x	284.2 = gallons
Gallons (gal)	x	.004 = cu meters	Grams (g)	x	.04 = ounce(avdp)
Ounces (avdp) (oz)	x	28.4 = grams	Kilograms	x	2.2 = pounds(avdp)
Pounds (avdp) (lb)	x	.5 = kilogram	Kilowatts (kW)	x	1.3 = horsepower
Horsepower (hp)	x	.7 = kilowatt	Degrees Celsius	x	9/5+32 = degrees Fahrenheit
Degress Fahrenheit (-32)	x	5/9 = degrees Celsius			

**Units of Length and Area**

Customary		Metric	Metric		Customary
Inch (in)	=	25.4 millimeters	Millimeter (mm)	=	.001 meter = .039 in.
Foot (ft)	=	12 in = .305 meter	Centimeter (cm)	=	.01 meter = .394 in.
Yard (yd)	=	36 in or 3 ft = .914 meter	Decimeter (dm)	=	.1 meter =3.937 in.
Mile (mi)	=	5,280 ft. =1.609	meter (m)	=	=3.291 ft.
In <sub>2</sub> (sq in)	=	= 6.452 cm <sub>2</sub>	Kilometer (km)	=	1,000meters=.621 mile
Ft <sub>2</sub> (sq ft)	=	144sq ft =.093m <sub>2</sub>	Sq millimeter (mm <sub>2</sub> )	=	.000001 m <sub>2</sub> =.002sq in.
Yd <sub>2</sub> (sq yd)	=	1,296 sq ft =.836m <sub>2</sub>	Sq centimeter (cm <sub>2</sub> )	=	.0001 m <sub>2</sub> =.155sq in.
		Or 9 sq ft.	Sq decimeter (dm <sub>2</sub> )	=	01 m <sub>2</sub> = 15.5 sq in.
Acre	=	43,560 sq ft. = .405 ha	Sq meter (m <sub>2</sub> )	=	= 10.864 sq ft.
Mile <sub>2</sub> (sq mi)	=	640 acres = 2.59 km <sub>2</sub>	Heclare (ha)	=	10,000m <sub>2</sub> = 2.471 acres
			Sq kilometer (km <sub>2</sub> )	=	1,00,000m <sub>2</sub> = .386 sq ml