CONVERSIONS

METRIC CONVERION FACTORS

APPROX. CONVERSION TO METRIC MEASURES			APPROX. CONVERSION FROM METRIC MEASURES		
When You Know Length	Multiply By	To Find	When You Know Length	Multiply By	To Find
inches	2.5	centimetres	centimetres	0.4	inches
feet	30.0	centimetres	metres	3.3	feet
yards	0.9	metres	metres	1.1	yards
miles	1.6	kilometres	kilometres	0.6	miles
Area			Area		
sq. inches	6.5	sq. centimetres	sq. centimetre	s 0.16	sq. inches
sq. feet	0.09	sq. metres	sq. metres	10.76	sq. feet
sq. yards	8.0	sq. metres	sq. metres	1.2	sq. yards
sq. miles	2.6	sq. kilometres	sq. kilometres		sq. miles
acres	0.4	hectares	hectares	2.5	acres
Mass (weight)			Mass (weight)		
ounces	28.0	grams	grams	0.035	ounces
pounds	0.45	kilograms	kilograms	2.2	pounds
short tons	0.9	metric ton	metric ton	1.1	short tons
Volume (U.S. measure)			Volume (U.S. measure)		
cubic inches	16.0	millilitres	millilitres	0.06	cubic inches
fluid ounces	30.0	millilitres	millilitres	0.03	fluid ounces
cups	0.24	litres	litres	0.036	cups
pints	0.47	litres	litres	2.1	pints
quarts	0.95	litres	litres	1.06	quarts
gallons	3.8	litres	litres	0.26	gallons
cubic feet	0.03	cubic metres	cubic metres	35.0	cubic feet
cubic yards	0.76	cubic metres	cubic metres	1.3	cubic yards
Pressure					
p.s.f.	47.8802	Pa	Pa	0.020885	p.s.f.
k.s.i.	6.89475	MPa	MPa	0.145	k.s.i.
Kips	4.44822	kN	kN	0.2248	Kips
Torque					
Foot-Pounds	1.35581	Nm	Nm	0.73776	Foot-Pounds
Temperature (exact)			Temperature (exact)		
$^{\circ}F = ^{\circ}\frac{C \times 9}{5} + 32$			$^{\circ}C = \frac{(^{\circ}F - 32) \times 5}{9}$		
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