

To Convert From:**To:****Multiply By:**

AREA:			
	square centimeters	square inches	0.1550
	square feet	square meter	0.0929
	square inches	square centimeters	6.4516
	square inches	square millimeters	645.1600
	square meter	square feet	10.7639
	square millimeters	square inches	0.0016

DENSITY:			
	grams/cubic centimeter	pounds/cubic inch	0.0361
	pounds/cubic foot	grams/cubic centimeter	0.0160
	pounds/cubic inch	grams/cubic centimeter	27.6800

ENERGY:			
	foot-pounds	joules	1.3558
	foot-pounds/inch	joules/centimeter	0.5338
	foot-pounds/inch	joules/meter	53.3790
	foot-pounds/inch	kilogram-centimeter/cm	5.3348
	foot-pounds/inch	kilogram-meter/meter	5.3348
	foot-pounds/square inch	kilo joules/square meter	2.1030
	inch-pounds	joules	0.1130
	joules	foot-pounds	0.7376
	joules	inch-pounds	8.8507
	joules/centimeter	foot-pounds/inch	1.8734
	joules/meter	foot-pounds/inch	0.0187
	kilograms-centimeter/cm	foot-pounds/inch	0.1875
	kilogram-meter/meter	foot-pounds/inch	0.1875
	kilo joules/square meter	foot-pounds/square inch	0.4755

FORCE:			
	kilogram-force	newtons	9.8067
	newtons	kilogram-force	0.1020
	newtons	ounce-force	3.5969
	newtons	pound-force	0.2248
	ounce-force	newtons	0.2780
	pound-force	newtons	4.4482

FUEL:	kilometers/liter	miles/gallon	2.3521
	miles/gallon	kilometers/liter	0.4251

LENGTH:	centimeters	inches	0.3937
	feet	centimeters	30.4800
	feet	meters	0.3048
	inches	centimeters	2.5400
	inches	meters	0.0254
	inches	millimeters	25.4000
	kilometers	miles	0.6214
	meters	feet	3.2808
	meters	inches	39.3701
	mil	millimeters	0.0254
	miles	kilometers	1.6093
	millimeters	inches	0.0394
	millimeters	mil	39.3701

PRESSURE:	bar	pounds/square inch (psi)	14.5038
	inches of Mercury (Hg)	kilopascals (kPa)	3.3864
	kilograms/square cm	pounds/square inch (psi)	14.2230
	kilopascals (kPa)	inches of Mercury (Hg)	0.2953
	kilopascals (kPa)	pounds/square foot	20.8854
	kilopascals (kPa)	pounds/square inch (psi)	0.1450
	megapascals (Mpa)	pounds/square inch (psi)	145.0376
	pounds/square foot	kilopascals (kPa)	0.0479
	pounds/square inch (psi)	bar	0.0690
	pounds/square inch (psi)	kilograms/square cm	0.0703
	pounds/square inch (psi)	kilopascals (kPa)	6.8948
	pounds/square inch (psi)	megapascals (Mpa)	0.0069

TEMP:	degree °C	degree °F	$9/5(C) + 32 = °F$
	degree °F	degree °C	$(F-32)(5/9) = °C$

THERMAL CONDUCT:	BTU-in/hr sq. ft °F	W/(m-K)	0.1442
	W/(m-K)	BTU-in/hr sq. ft	6.9330

THERMAL EXPANSION:	inches/inch/°F	centimeter/cm °C	1.8000
	inches/inch/°F	meters/meter °C	1.8000
	centimeter/cm/°C	inches/inch °F	0.5556
	meters/meter/°C	inches/inch °F	0.5556

VELOCITY:	kilometers/hour	miles/hour	0.6214
	miles/hour	kilometers/hour	1.6093

VISCOSITY:	Pascal-second	poise	10.0000
	poise	Pascal-second	0.1000

VOLUME:	cubic centimeters	cubic inches	0.0610
	cubic decimeter	cubic foot	0.0353
	cubic foot	cubic decimeter	28.3169
	cubic inches	cubic centimeters	16.3871
	cubic inches	liters	0.0164
	gallons	liters	3.7854
	liters	cubic inches	61.0237
	liters	gallons	0.2642
	liters	pints	2.1134
	liters	quarts	1.0567
	milliliters	ounces	0.0338
	ounces	milliliters	29.5735
	pints	liters	0.4732
	quarts	liters	0.9464

WEIGHT:

grams	ounces	0.0353
kilograms	pounds	2.2046
ounces	grams	28.3495
pounds	kilograms	0.4536
ton (metric)	ton (US)	1.1023
ton (US)	ton (metric)	0.9072