



### CONVERSION FACTORS

The conversion factors listed below are included for your convenience. Metric conversion units are presented along with the more frequently used English units.

	<u><b>Multiply By</b></u>	<u><b>To Obtain</b></u>
Acres	43560	Square Feet
Acres	4047	Square meters
Acres	160	Square rods
Acres	5645.4	Square Varas (Texas)
Acres	.4047	Hectares acre
Acre-feet	7758	Barrels acre
Acre-feet	1233.5	Cubic meters
Atmospheres	33.94	Feet of water
Atmospheres	29.92	Inches of mercury
Atmospheres	760	Millimeters of mercury
Atmospheres	14.7	Pounds per square
Barrels	5.6146	Cubic feet
Barrels	.15898	Cubic meters
Barrels	42	Gallons
Barrels	158.96	Liters
Barrels per hour	.0936	Cubic feet per meter
Barrels per hour	.700	Gallons per minute
Barrels per hour	2.695	Cubic inches per second
Barrels per day	.02917	Gallons per minute
British Thermal Unit	.2928	Watt-hour
B.T.U. per minute	.02356	Horsepower
Centimeters	.03281	Feet
Centimeters	.3937	Inches
Centimeters of mercury	.1934	Pounds per square inch
Chains	66	Feet
Chains	4	Rods
Cubic centimeter	.06102	Cubic inches
Cubic feet	.1781	Barrels
Cubic feet	7.4805	Gallons (U. S.)
Cubic feet	28.32	Liters
Cubic feet of steel	489.6	Pounds of steel
Cubic feet	1728	Cubic inches
Cubic feet	.02832	Cubic meters
Cubic feet	.03704	Cubic yards
Cubic feet per minute	10.686	Barrels per hour
Cubic feet per minute	28.8	Cubic inches per second
Cubic feet per minute	7.481	Gallons per minute
Cubic inches	16.387	Cubic centimeters
Cubic inches	.00058	Cubic feet
Cubic inches	.00433	Gallons
Cubic inches	.0164	Liters
Cubic meters	6.2897	Barrels
Cubic meters	35.314	Cubic feet
Cubic meters	1.308	Cubic yards
Cubic yards	4.8089	Barrels
Cubic yards	27	Cubic feet



	<b><u>Multiply By</u></b>	<b><u>To Obtain</u></b>
Cubic yards	46656	Cubic inches
Cubic yards	.7646	Cubic meters
Feet	30.48	Centimeters
Feet	.3048	Meters
Feet	.3600	Varas (Texas)
Feet	.4331	Pounds per square inch
Feet of water at 60 F	.68182	Miles per hour
Feet per second	.68182	Miles per hour
Foot-pounds per second	.001818	Horsepower
Gallons (U. S.)	.02381	Barrels
Gallons (U.S.)	3785	Cubic centimeters
Gallons (I.J.S.)	.1337	Cubic feet
Gallons (U. S.)	231	Cubic inches
Gallons (U.S.)	3.785	Liters
Gallons (U.S.)	.8327	Gallons (Imperial)
Gallons per minute	1.429	Barrels per hour
Gallons per minute	.1337	Cubic feet per minute
Gallons per minute	.002228	Cubic feet per second
Gallons per minute	34.286	Barrel per day
Grain (Avoirdupois)	.0648	Grams
Grains per gallon	17.118	Parts per million
Grains per gallon	142.86	Pounds per million galls
Grains per gallon	.01714	Grams per liter
Grams	15.342	Grains
Grams	.001	Kilograms
Grams	1000	Milligrams
Grams	.03527	Ounces
Grams	.00205	Pounds
Grams per liter	58.418	Grains per gallon
Hectare	2.471	Acres
Hectare	0.10	Square kilometers
Horsepower	33000	Foot pounds per minute
Horsepower	550	Foot pounds per second
Horsepower	1.014	Horsepower (metric)
Horsepower	.7457	Kilowatts
Inches	2.54	Centimeters
Inches	.08333	Feet
Inches of mercury	1.134	Feet of water
Inches of mercury	.4912	Pounds per square inch
Inches of water at 60 F	.0361	Pounds per square inch
Kilograms	1000	Grams
Kilograms	2.2046	Pounds
Kilograms per square cm	14.223	Pounds per square inch
Kilometers	3281	Feet
Kilometers	.6214	Miles
Kilopascals	.1450	Pounds per square inch
Kilowatt	1.341	Horsepower
Liters	1000	Cubic centimeters



	<b><u>Multiply By</u></b>	<b><u>To Obtain</u></b>
Liters	61.02	Cubic inches
Liters	.2642	Gallons
Liters	1.0567	Quarts
Meters	100	Centimeters
Meters	3.281	Feet
Meters	39.37	Inches
Meters	1.094	Yards
Miles	5280	Feet
Miles	1.609	Kilometers
Miles	1900.8	Varas (Texas)
Mile per hours	1.4667	Feet per second
Ounces (Avoirdupois)	437.5	Grains
Ounces (Avoirdupois)	28.3495	Grams
Parts per million	0.05835	Grains per gallon
Parts per million	8.34	Pounds per million gallons
Pounds	7000	Grains
Pounds	453.6	Grams
Pounds per gallon	0.1198	Grams per cubic centimeters
Pounds per gallon	0.052	Pounds per square in/ft of depth
Pounds per square inch	2.309	Feet of water at 60°F
Pounds per square inch	2.0353	Inches of mercury
Pounds per square inch	51.697	Millimeters of mercury
Pounds per square inch	0.0703	Kilograms per square centimeters
Pounds per square inch	6.895	Kilopascals
Pounds per million gallons	0.11982	Parts per million
Quarts	0.946	Liters
Quarts	946.36	Milliliters
Quintal (Mexican)	101.467	Pounds
Rod	16.5	Feet
Square centimeters	0.1550	Square inches
Square Feet	929.0	Square centimeters
Square Feet	0.0929	Square meters
Square inches	6.452	Square centimeters
Square kilometers	0.3861	Square miles
Square meters	10.76	Square feet
Square meters	1.196	Square yards
Square miles	640.0	Acres
Square miles	2.590	Square kilometers
Square mikes	0.8361	Square meters
Tons (bong)	2240.0	Pounds
Tons (metric)	2205.0	Pounds
Tons (short or net)	2000.0	Pounds
Tons (metric)	1.102	Tons (short or net)
Tons (metric)	1000.0	Kilograms
Tons (metric)	6.297	Barrels of water 60°F
Tons (short or net)	907.2	Kilograms
Tons (short or net)	0.907	Tons (metric)
Varas (Texas)	1.7778	Feet
Yards	0.9144	Meters