

Conversion Factors

CONVERSION TABLES AND FORMULAS

Multiply	By	To Get
Acres	0.4047	Hectares
Acres	43,560	Sq. feet
Acres	4047	Sq. meters
Acres	0.001562	Sq. miles
Atmospheres	1.013	Bars
Atmospheres	76.0	Cm. of mercury
Atmospheres	33.90	Feet of water
Atmospheres	29.92	Inches of
Atmospheres	101.325	Kilopascals
Atmospheres	14.70	Pounds/Sq. inch
B.T.U.	778.3	Foot-pounds
B.T.U.	252.0	Gram calories
B.T.U.	1,054.8	Joules
B.T.U.	0.0002928	Kilowatt - hours
Bars	100	Kilopascals
Bars	14.50	Pounds/sq. inch
Calories	0.003968	B.T.U.
Calories	3.0880	Foot-pounds
Centimeters	0.03281	Feet
Centimeters	0.3937	Inches
Centimeters	0.01	Meters
Centimeters	10	Millimeters

Conversion Factors

Multiply	By	To Get
Centimeters	393.7	Mils
Centimeters of mercury	0.01316	Atmospheres
Centimeters of mercury	0.4461	Feet of water
Centimeters of mercury	0.1934	Pounds/ sq. inch
Chains	792	Inches
Chains	20.12	Meters
Chains	22	Yards
Cubic centimeters	0.00003531	Cubic feet
Cubic centimeters	0.06102	Cubic inches
Cubic centimeters	0.000001	Cubic meters
Cubic centimeters	0.001	Liters
Cubic feet	1728	Cubic inches
Cubic feet	0.02832	Cubic meters
Cubic feet	0.037037	Cubic yards
Cubic feet	7.4805	Gallons
Cubic feet	28.32	Liters
Cubic feet	59.84	Pints (liq.)
Cubic feet	29.92	Quarts (Liq.)
Cubic feet/minute	0.1247	Gallons/second
Cubic feet/minute	0.4719	Liter/second
Cubic feet/minute	62.43	Pounds of water/min.
Cubic feet/second	448,831	Gallons/min
Cubic inches	16.39	Cubic centimeters
Cubic inches	0.0005787	Cubic feet
Cubic inches	0.00001639	Cubic meters

Conversion Factors

Multiply	By	To Get
Cubic inches	0.004329	Gallons
Cubic inches	0.01639	Liters
Cubic inches	0.03463	Pints (liq.)
Cubic inches	0.01732	Quarts (liq.)
Cubic meters	1,000,000	Cubic centimeters
Cubic meters	35.31	Cubic feet
Cubic meters	61,023	Cubic inches
Cubic meters	264.2	Gallons
Cubic meters	2113	Pints (liq.)
Cubic meters	1057	Quarts (liq.)
Cubic meters/hour	4.4	Gallons/minute
Cubic yards	764,600	Cubic centimeters
Cubic yards	27	Cubic feet
Cubic yards	46,656	Cubic inches
Cubic yards	0.7646	Cubic meters
Cubic yards	202.0	Gallons
Cubic yards	764.6	Liters
Fathoms	6	Feet
Feet	12	Inches
Feet	0.3048	Meters
Feet	304.8	Millimeters
Feet of water	0.0295	Atmospheres
Feet of water	0.8826	Inches of Mercury
Feet of water	.4335	Pounds/ sq. inch
Feet/minute	.5080	Centimeters/sec
Feet/minute	.01667	Feet/sec.

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Multiply	By	To Get
Feet/minute	.3048	Meters/min.
Feet/minute	.01136	Miles/hour
Feet/second	18.29	Meters/min.
Feet/second	.6818	Miles/hour
Foot candles	10.764	Lux
Gallons	3785	Cubic Centimeters
Gallons	.1337	Cubic feet
Gallons	231	Cubic inches
Gallons	.003785	Cubic meters
Gallons	3,785	Liters
Gallons	8	Pints (liq.)
Gallons	4	Quarts (liq.)
Gallons of water	8,345	Pounds of water
Gallons/minute	8.0208	Cubic feet/hour
Gallons/minute	3,785	Liters/minute
Gallons/minute	500	Pounds of water/hour
Grams	.001	Kilograms
Grams	1000	Milligrams
Grams	.03527	Ounces
Hectares	2.471	Acres
Kilograms	1000	Grams
Kilograms	2,205	Pounds
Kilograms/meter	.6720	Pounds/foot
Kiloliters	1000	Liters
Kilometers	100,000	Centimeters
Kilometers	1094	Yards

Conversion Factors

Multiply	By	To Get
Kilometers/hour	27.78	Centimeters/sec.
Kilometers/hour	54.68	Feet/min
Kilometers/hour	0.913	Feet/sec
Kilometers	3281	Feet
Kilometers	1000	Meters
Kilometers/hour	16.67	Meters/minute
Kilometers/hour	0.6214	Miles/hour
Liters	1.057	Quarts (liquid)
Lumens/ sq. foot	10.76	Lumens/sq. meter
Lux	0929	Foot-candles
Meters	100	Centimeters
Meters	3.281	Feet
Meters	39.37	Inches
Meters	.001	Kilometers
Meters	1000	Millimeters
Meters	1.094	Yards
Meters/minute	3.281	Feet/minute
Meters/minute	.05468	Feet/second
Meters/minute		Kilometers/hr.
Meters/minute	.03728	Miles/hr.
Meters/second	196.8	Feet/minute
Meters/second	3.281	Feet/second
Meters/second		Kilometers/hr.
Meters/second	2,237	Miles/hr.
Microns	.0000394	Inches
Microns	.000001	Meters

Conversion Factors

Multiply	By	To Get
Miles	5280	Feet
Miles	1.609	Kilometers
Miles	1,609	Meters
Miles	1760	Yards
Miles/hour	4.70	Centimeters/sec.
Miles/hour	88	Feet/min.
Miles/hour	1.467	Feet/sec.
Miles/hour	1.609	Kilometers/hr.
Miles/hour	26.82	Meters/min.
Milligrams	.001	Grams
Milligrams/liter (liq.)	1	Parts/million
Milliliters	.001	Liters
Millimeters	.1	Centimeters
Millimeters	.003281	Feet
Millimeters	.03937	Inches
Mils	.00254	Centimeters
Mils	.001	Inches
Ounces	28.350	Grams
Ounces	29.47	Milliliters
Ounces	.0625	Pounds
Pints (liq.)	.4732	Liters
Pounds	16	Ounces
Pounds/sq. inch	.06804	Atmospheres
Pounds/sq. inch	2.307	Feet of water
Pounds/sq. inch	2.036	Inches of mercury
Pounds/sq. inch	6.897	KiloPascals

Conversion Factors

Multiply	By	To Get
Quarts (liq.)	.9463	Liters
Quarts (liq.)	32	Ounces
Rods	16.5	Feet
Sq. centimeters	.001076	Sq. feet
Sq. centimeters	.1550	Sq. inches
Sq. centimeters	.0001	Sq. meters
Sq. centimeters	100	Sq. millimeters
Sq. feet	929	Sq. centimeters
Sq. feet	144	Sq. inches
Sq. feet	.09290	Sq. meters
Sq. inches	6.452	Sq. centimeters
Sq. inches	.006944	Sq. feet
Sq. inches	645.2	Sq. millimeters
Sq. kilometers	10,760,000	Sq. feet
Sq. kilometers	1,000,000	Sq. meters
Sq. kilometers	.3861	Sq. miles
Sq. meters	10.76	Sq. feet
Sq. meters	1.196	Sq. yards
Sq. miles	640	Acres
Sq. miles	2.590	Sq. kilometers
Sq. yards	9	Sq. feet
Sq. yards	1,296	Sq. inches
Ton (long)	1016	Kilograms
Ton (long)	1.12	Ton (short)
Ton (long)	2240	Pounds
Ton (metric)	1000	Kilograms

Conversion Factors

Faction	Decimal	Millimeters
1/32	.03125	.794
1/16	.0625	1.588
3/32	.09375	2.381
1/8	.125	3.175
5/32	.15625	3.969
3/16	.1875	4.763
7/32	.21875	5.556
1/4	.250	6.350
9/32	.28125	7.144
5/16	.3125	7.938
11/32	.34375	8.731
3/8	.375	9.525
13/32	.40625	10.319
7/16	.4375	11.113
15/32	.46875	11.906
1/2	.500	12.700
17/32	.53125	13.494
9/16	.5625	14.288
19/32	.59375	15.081
5/8	.625	15.875
21/32	.65625	16.669
11/16	.6875	17.463
23/32	.71875	18.256
3/4	.750	19.050
25/32	.78125	19.844
1 3/16	.8125	20.638
27/32	.84375	21.431
7/8	.875	22.225
29/32	.90625	23.019
15/16	.9375	23.813

Conversion Factors

Fraction	Decimal	Millimeters
31/32	.96875	24.606
1	1.000	25.400

Conversion Factors