

Multiply	By	To Obtain
Atmospheres	29.92	Inches of mercury
Atmospheres	33.90	Feet of water
Atmospheres	10.333	Kgs./square meter
Atmospheres	14.70	Lbs./square inch
Atmospheres	1.058	Tons/square foot
Barrels-oil	42	Gallons-oil
Barrels-cement	376	Pounds-cement
Bags or sacks-cement	94	Pounds-cement
British Thermal Units	0.2520	Kilogram-calories
British Thermal Units	777.5	Foot-lbs.
British Thermal Units	3.927×10^{-4}	Horsepower-hours
British Thermal Units	107.5	Kilogram-meters
British Thermal Units	2.928×10^{-4}	Kilowatt-hrs.
B.T.U./min.	12.96	Foot-lbs./second
B.T.U./min.	0.02356	Horsepower
B.T.U./min.	0.01757	Kilowatts
B.T.U./min.	17.57	Watts
Centares (Centiares)	1	Square meters
Centigrams	0.01	Grams
Centiliters	0.01	Liters
Centimeters	0.3937	Inches
Centimeters	0.01	Meters
Centimeters	10	Millimeters
Centimeters of mercury	0.01316	Atmospheres
Centimeters of mercury	0.4461	Feet of water
Centimeters of mercury	27.85	Lbs./square foot
Centimeters of mercury	0.1934	Lbs./square inch
Centimeters/second	1.969	Feet/minute
Centimeters/second	0.03281	Feet/second
Centimeters/second	0.036	Kilometers/hour
Centimeters/second	0.6	Meters/minute
Centimeters/second	0.02237	Miles/hour
Centimeters/second	3.728×10^{-4}	Miles/minute
Cubic centimeters	3.531×10^{-5}	Cubic feet
Cubic centimeters	6.102×10^{-2}	Cubic inches
Cubic centimeters	10^{-6}	Cubic meters
Cubic centimeters	1.308×10^{-6}	Cubic yards
Cubic centimeters	2.642×10^{-4}	Gallons
Cubic centimeters	10^{-3}	Liters
Cubic centimeters	2.113×10^{-3}	Pints (liquid)
Cubic centimeters	1.057×10^{-3}	Quarts (liquid)
Cubic feet	2.832×10^4	Cubic centimeters
Cubic feet	1728	Cubic inches
Cubic feet	0.02832	Cubic meters
Cubic feet	0.03704	Cubic yards
Cubic feet	7.48052	Gallons
Cubic feet	28.32	Liters
Cubic feet	59.84	Pints (liquid)
Cubic feet	29.92	Quarts (liquid)

Multiply	By	To Obtain
Cubic feet/minute	472	Cubic centimeters/second
Cubic feet/minute	0.1247	Gallons/second
Cubic feet/minute	0.472	Liters/second
Cubic feet/minute	62.43	Pounds of water/minute
Cubic feet/second	0.646317	Millions gallons/day
Cubic feet/second	448.831	Gallons/minute
Cubic inches	16.39	Cubic centimeters
Cubic inches	5.787×10^{-4}	Cubic feet
Cubic inches	1.639×10^{-5}	Cubic meters
Cubic inches	2.143×10^{-5}	Cubic yards
Cubic inches	4.329×10^{-3}	Gallons
Cubic inches	1.639×10^{-2}	Liters
Cubic inches	0.03463	Pints (liquid)
Cubic inches	0.01732	Quarts (liquid)
Cubic meters	10^6	Cubic centimeters
Cubic meters	35.31	Cubic feet
Cubic meters	61.023	Cubic inches
Cubic meters	1.308	Cubic yards
Cubic meters	264.2	Gallons
Cubic meters	10^3	Liters
Cubic meters	2113	Pints (liquid)
Cubic meters	1057	Quarts (liquid)
Cubic yards	7.646×10^6	Cubic centimeters
Cubic yards	27	Cubic feet
Cubic yards	46.656	Cubic inches
Cubic yards	0.7646	Cubic meters
Cubic yards	202	Gallons
Cubic yards	764.6	Liters
Cubic yards	1616	Pints (liquid)
Cubic yards	807.9	Quarts (liquid)
Cubic yards/minute	0.45	Cubic feet/second
Cubic yards/minute	3.367	Gallons/second
Cubic yards/minute	12.74	Liters/second
Decigrams	0.1	Grams
Deciliters	0.1	Liters
Decimeters	0.1	Meters
Degrees (angle)	60	Minutes
Degrees (angle)	0.01745	Radians
Degrees (angle)	3600	Seconds
Degrees/second	0.01745	Radians/second
Degrees/second	0.1667	Revolutions/minute
Degrees/second	0.002778	Revolutions/second
Dekagrams	10	Grams
Dekaliters	10	Liters
Dekameters	10	Meters
Drams	27.34375	Grains
Drams	0.0625	Ounces
Drams	1.771845	Grams
Fathoms	6	Feet

Multiply	By	To Obtain
Feet	30.48	Centimeters
Feet	12	Inches
Feet	0.3048	Meters
Feet	1/3	Yards
Feet of water	0.0295	Atmospheres
Feet of water	0.8826	Inches of mercury
Feet of water	304.8	Kgs./square meter
Feet of water	62.43	Lbs./square foot
Feet of water	0.4335	Lbs./square inch
Feet/minute	0.508	Centimeters/second
Feet/minute	0.01667	Feet/second
Feet/minute	0.01829	Kilometers/hour
Feet/minute	0.3048	Meters/minute
Feet/minute	0.01136	Miles/hour
Feet/second	30.48	Centimeters/second
Feet/second	1.097	Kilometers/hour
Feet/second	0.5921	Knots
Feet/second	18.29	Meters/minute
Feet/second	0.6818	Miles/hour
Feet/second	0.01136	Miles/minute
Foot-pounds	1.286×10^{-3}	British Thermal Units
Foot-pounds	5.050×10^{-7}	Horsepower-hours
Foot-pounds	3.241×10^{-4}	Kilogram-calories
Foot-pounds	0.1383	Kilogram-meters
Foot-pounds	3.766×10^{-7}	Kilowatt-hours
Foot-pounds/minute	1.286×10^{-3}	B.T.U./min.
Foot-pounds/minute	0.01667	Foot-pounds/second
Foot-pounds/minute	3.030×10^{-5}	Horsepower
Foot-pounds/minute	3.241×10^{-4}	Kg.-calories/minute
Foot-pounds/minute	2.260×10^{-5}	Kilowatts
Foot-pounds/second	7.717×10^{-2}	B.T.U./minute
Foot-pounds/second	1.818×10^{-3}	Horsepower
Foot-pounds/second	1.945×10^{-2}	Kg.-calories/minute
Foot-pounds/second	1.356×10^{-3}	Kilowatts
Gallons	3785	Cubic centimeters
Gallons	0.1337	Cubic feet
Gallons	231	Cubic inches
Gallons	3.785×10^{-3}	Cubic meters
Gallons	4.951×10^{-3}	Cubic yards
Gallons	3.785	Liters
Gallons	8	Pints (liquid)
Gallons	4	Quarts (liquid)
Gallons-Imperial	1.20095	U. S. Gallons
Gallons-U.S.	0.83267	Imperial Gallons
Gallons water	8.3453	Pounds of water
Gallons/minute	2.228×10^{-3}	Cubic feet/second
Gallons/minute	0.06308	Liters/second
Gallons/minute	8.0208	Cubic feet/hour

Multiply	By	To Obtain
Gallons/minute	8.0208 Area (square feet)	Overflow rate (feet/hour)
Gallons water/minute	6.0086	Tons water/24 hours
Grains (troy)	0.0648	Grams
Grains (troy)	0.04167	Pennyweights (troy)
Grains (troy)	2.0833x10 ⁻³	Ounces (troy)
Grains/U.S. gallon	17.118	Parts/million
Grains/U.S. gallon	142.86	Lbs./million gallons
Grains/Imperial gallon	14.254	Parts/million
Grams	15.43	Grains
Grams	10 ⁻³	Kilograms
Grams	10 ³	Milligrams
Grams	0.03527	Ounces
Grams	0.03215	Ounces (troy)
Grams	2.205x10 ⁻³	Pounds
Grams/centimeter	5600x10 ⁻³	Pounds/inch
Grams/cubic centimeter	62.43	Pounds/cubic foot
Grams/cubic centimeter	0.03613	Pounds/cubic inch
Grams/liter	58.417	Grains/gallon
Grams/liter	8.345	Pounds/1000 gallons
Grams/liter	0.062427	Pounds/cubic foot
Grams/liter	1000	Parts/million
Hectares	2.471	Acres
Hectares	1.076x10 ⁵	Square feet
Hectograms	100	Grams
Hectoliters	100	Liters
Hectometeri	100	Meters
Hectowatts	100	Watts
Horsepower	42.44	B.T.U./minute
Horsepower	33,000	Foot-lbs./minute
Horsepower	550	Foot-lbs./second
Horsepower	1.014	Horsepower (metric)
Horsepower	10.70	Kg.-calories/minute
Horsepower	0.7457	Kilowatts
Horsepower	745.7	Watts
Horsepower (boiler)	33,479	B.T.U./hour
Horsepower (boiler)	9.803	Kilowatts
Horsepower-hours	2547	B.T.U.
Horsepower-hours	1.98x10 ⁶	Foot-lbs.
Horsepower-hours	641.7	Kilogram-calories
Horsepower-hours	2.737x10 ⁵	Kilogram-meters
Horsepower-hours	0.7457	Kilowatt-hours
Inches	2.54	Centimeters
Inches of mercury	0.03342	Atmospheres
Inches of mercury	1.133	Feet of water
Inches of mercury	345.3	Kgs./square meter
Inches of mercury	70.73	Lbs./square foot
Inches of mercury	0.4912	Lbs./square inch
Inches of water	0.002458	Atmospheres

Multiply	By	To Obtain
Inches of water	0.07355	Inches of mercury
Inches of water	25.4	Kgs./square meter
Inches of water	0.5781	Ounces/square inch
Inches of water	5.202	Lbs./square foot
Inches of water	0.03613	Lbs./square foot
Kilograms	2.205	Lbs.
Kilograms	1.102x10 ⁻³	Tons (short)
Kilograms	10 ³	Grams
Kilograms-calories	3.968	B.T.U.
Kilograms-calories	3086	Foot-pounds
Kilograms-calories	1.558x10 ⁻³	Horsepower-hours
Kilograms-calories	1.162x10 ⁻³	Kilowatt-hours
Kilogram-cal./min.	51.43	Foot-pounds/second
Kilogram-cal./min.	0.09351	Horsepower
Kilogram-cal./min.	0.06972	Kilowatts
Kgs./meter	0.6720	Lbs./foot
Kgs./square meter	9.678x10 ⁻⁵	Atmospheres
Kgs./square meter	3.281x10 ⁻³	Feet of water
Kgs./square meter	2.896x10 ⁻³	Inches of mercury
Kgs./square meter	0.2048	Lbs./square foot
Kgs./square meter	1.422x10 ⁻³	Lbs./square inch
Kgs./square millimeter	10 ⁶	Kgs./square meter
Kiloliters	10 ³	Liters
Kilometers	10 ⁵	Centimeters
Kilometers	3281	Feet
Kilometers	10 ³	Meters
Kilometers	0.6214	Miles
Kilometers	1094	Yards
Kilometers/hour	27.78	Centimeters/second
Kilometers/hour	54.68	Feet/minute
Kilometers/hour	0.9113	Feet/second
Kilometers/hour	0.5396	Knots
Kilometers/hour	16.67	Meters/minute
Kilometers/hour	0.6214	Miles/hour
Kms./hr./sec.	27.78	Cms./sec./sec.
Kms./hr./sec.	0.9113	Feet/sec./sec.
Kms./hr./sec.	0.2778	Meters/sec./sec.
Kilowatts	56.92	B.T.U./minute
Kilowatts	4.425x10 ⁴	Foot-lbs./minute
Kilowatts	737.6	Foot-lbs./second
Kilowatts	1.341	Horsepower
Kilowatts	14.34	Kg.-calories/minute
Kilowatts	10 ³	Watts
Kilowatt-hours	3415	B.T.U.'s
Kilowatt-hours	2.655x10 ⁶	Foot-lbs.
Kilowatt-hours	1.341	Horsepower-hours
Kilowatt-hours	860.5	Kilogram-calories
Kilowatt-hours	3.671x10 ³	Kilogram-meters
Liters	10 ³	Cubic centimeters

Multiply	By	To Obtain
Liters	0.03531	Cubic feet
Liters	61.02	Cubic inches
Liters	10 ⁻³	Cubic meters
Liters	1.308x10 ⁻³	Cubic yards
Liters	0.2642	Gallons
Liters	2.113	Pints (liquid)
Liters	1.057	Quarts (liquid)
Liters/minute	5.886x10 ⁻⁴	Cubic feet/second
Liters/minute	4.403x10 ⁻³	Gallons/second
Meters	100	Centimeters
Meters	3.281	Feet
Meters	39.37	Inches
Meters	10 ⁻³	Kilometers
Meters	1001	Millimeters
Meters	1.094	Yards
Meters/minute	1.667	Centimeters/second
Meters/minute	3.281	Feet/minute
Meters/minute	0.05468	Feet/second
Meters/minute	0.06	Kilometers/hour
Meters/minute	0.03728	Miles/hour
Meters/second	196.8	Feet/minute
Meters/second	3.281	Feet/second
Meters/second	3.6	Kilometers/hour
Meters/second	0.06	Kilometers/minute
Meters/second	2.237	Miles/hour
Meters/second	0.03728	Miles/minute
Microns	10 ⁻⁶	Meters
Miles	1.609x10 ⁵	Centimeters
Miles	5280	Feet
Miles	1.609	Kilometers
Miles	1760	Yards
Miles/hour	44.70	Centimeters/second
Miles/hour	88	Feet/Minute
Miles/hour	1.467	Feet/second
Miles/hour	1.609	Kilometers/hour
Miles/hour	0.8684	Knots
Miles/hour	26.82	Meters/minute
Miles/minute	2682	Centimeters/second
Miles/minute	88	Feet/second
Miles/minute	1.609	Kilometers/minute
Miles/minute	60	Miles/hour
Milligrams	10 ³	Grams
Milliliters	10 ⁻³	Liters
Millimeters	0.1	Centimeters
Millimeters	0.03937	Inches
Milligrams/liter	1	Parts/million
Million gallons/day	1.54723	Cubic feet/second
Minutes (angle)	2.909x10 ⁻⁴	Radians
Ounces	16	Drams

Multiply	By	To Obtain
Ounces	437.5	Grains
Ounces	0.0625	Pounds
Ounces	28.349527	Grams
Ounces	0.9115	Ounces (troy)
Ounces	2.790x10 ⁵	Tons (long)
Ounces	2.835x10 ⁵	Tons (metric)
Ounces (troy)	480	Grains
Ounces (troy)	20	Pennyweights(troy)
Ounces (troy)	0.08333	Pounds (troy)
Ounces (troy)	31.103481	Grams
Ounces (fluid)	1.805	Cubic inches
Ounces (fluid)	0.02957	Liters
Ounces/square inch	0.0625	Lbs./square inch
Overflow rate (feet/hour)	0.12468 x area (square feet)	Gallons/minute
Parts/million	0.0584	Grains/U.S. gallons
Parts/million	0.07016	Grains/Imperial gallons
Parts/million	8.345	Lbs./million gallons
Pennyweights (troy)	24	Grains
Pennyweights (troy)	1.55517	Grams
Pennyweights (troy)	0.05	Ounces (troy)
Pennyweights (troy)	4.1667x100 ³	Pounds (troy)
Pounds	16	Ounces
Pounds	256	Drams
Pounds	7000	Grains
Pounds	0.0005	Tons (short)
Pounds	453.5924	Grams
Pounds	1.21528	Pounds (troy)
Pounds	14.5833	Ounces (troy)
Pounds (troy)	5760	Grains
Pounds (troy)	240	Pennyweights (troy)
Pounds (troy)	12	Ounces (troy)
Pounds (troy)	373.24177	Grams
Pounds (troy)	3.6735x10 ⁻⁴	Tons (long)
Pounds (troy)	4.1143x10 ⁻⁴	Tons (short)
Pounds (troy)	3.7324x10 ⁻⁴	Tons (metric)
Pounds of water	0.01602	Cubic feet
Pounds of water	27.68	Cubic inches
Pounds of water	0.1198	Gallons
Pounds of water/minute	2.670x10 ⁻⁴	Cubic feet/second
Pounds/cubic foot	0.01602	Grams/cubic centimeter
Pounds/cubic foot	16.02	Kgs./cubic meters
Pounds/cubic foot	5.787x10 ⁻⁴	Lbs./cubic inch
Pounds/cubic inch	27.68	Grams/cubic centimeter
Pounds/cubic inch	2.768x10 ⁴	Kgs./cubic meter
Pounds/cubic inch	1728	Lbs./cubic foot
Pounds/foot	1.488	Kgs./meter
Pounds/inch	178.6	Grams/ centimeter
Pounds/square foot	0.01602	Feet of water

Multiply	By	To Obtain
Pounds/square foot	4.883	Kgs./square meter
Pounds/square foot	6.945x100 ⁻³	Pounds/square inch
Pounds/square inch	0.06804	Atmospheres
Pounds/square inch	2.307	Feet of water
Pounds/square inch	2.036	Inches of mercury
Pounds/square inch	703.1	Kgs./square meter
Quadrants (angle)	90	Degrees
Quadrants (angle)	5400	Minutes
Quadrants (angle)	1.571	Radians
Quarts (dry)	67.20	Cubic inches
Quarts (liq.)	57.75	Cubic inches
Radians	57.30	Degrees
Radians	3438	Minutes
Radians	0.637	Quadrants
Radians/second	57.30	Degrees/second
Radians/second	0.1592	Revolutions/second
Radians/second	9.549	Revolutions/minute
Radians/sec./sec.	573.0	Revs./min./min.
Radians/sec./sec.	0.1592	Revs./sec./sec.
Reams	500	Sheets
Revolutions	360	Degrees
Revolutions	4	Quadrants
Revolutions	6.283	Radians
Revolutions/minute	6	Degrees/second
Revolutions/minute	0.1047	Radians/second
Revolutions/minute	0.01667	Revolutions/second
Revolutions/min./min.	1.745x10 ⁻³	Rads./sec./sec.
Revolutions/min./min.	2.778x10 ⁻⁴	Revs./sec./sec.
Revolutions/second	360	Degrees/second
Revolutions/second	6.283	Radians/second
Revolutions/second	60	Revolutions/minute
Revolutions/ sec./sec.	6.283	Radians/ sec./ sec.
Seconds (angle)	4.848x10 ⁻⁶	Radians
Square centimeters	1.076x10 ⁻³	Square feet
Square centimeters	0.1550	Square inches
Square centimeters	10 ⁻⁴	Square meters
Square centimeters	100	Square millimeters
Square feet	2.296x10 ⁻⁵	Acres
Square feet	929.0	Square centimeters
Square feet	144	Square inches
Square feet	0.09290	Square meters
Square feet	3.587x10 ⁻⁸	Square miles
Square feet	1/9	Square yards
Square inches	6.452	Square centimeters
Square inches	6.944x10 ⁻³	Square feet
Square inches	645.2	Square millimeters
Square kilometers	247.1	Acres
Square kilometers	10.76x10 ⁶	Square feet
Square kilometers	10 ⁶	Square meters

Multiply	By	To Obtain
Square kilometers	1.196x10 ⁶	Square yards
Square meters	2.471x10 ⁻⁴	Acres
Square meters	10.76	Square feet
Square meters	3.861x10 ⁻⁷	Square miles
Square meters	1.196	Square yards
Square miles	640	Acres
Square miles	27.88x10 ⁶	Square feet
Square miles	2.590	Square kilometers
Square miles	3.098x10 ⁶	Square yards
Square millimeters	0.01	Square centimeters
Square millimeters	1.550x10 ⁻³	Square inches
Square yards	2.066x10 ⁻⁴	Acres
Square yards	9	Square feet
Square yards	0.8361	Square meters
Square yards	3.228x10 ⁻⁷	Square miles
Temp. (°C.) + 273	1	Abs. temp. (OC.)
Temp. (°C.) + 17.78	1.8	Temp. (OF.)
Temp. (°F.) + 460	1	Abs. temp. (OF.)
Temp. (°F.)-32	5/9	Temp. (OC.)
Tons (long)	1016	Kilograms
Tons (long)	2240	Pounds
Tons (long)	1.12000	Tons (short)
Tons (metric)	103	Kilograms
Tons (metric)	2205	Pounds
Tons (short)	2000	Pounds
Tons (short)	32,000	Ounces
Tons (short)	907.18486	Kilograms
Tons (short)	2430.56	Pounds (troy)
Tons (short)	0.89287	Tons (long)
Tons (short)	29166.66	Ounces (troy)
Tons (short)	0.90718	Tons (metric)
Tons of water/24 hrs.	83.333	Pounds water/hour
Tons of water/24 hours	0.16643	Gallons/minute
Tons of water/24 hours	1.3349	Cubic feet/hour
Watts	0.05692	B.T.U./minute
Watts	44.26	Foot-pounds/minute
Watts	0.7376	Foot-pounds/second
Watts	1.341x10 ⁻³	Horsepower
Watts	0.01434	Kg.-calories/minute
Watts	10 ⁻³	Kilowatts
Watt-hours	3.415	B.T.U.'s
Watt-hours	655	Foot-pounds
Watt-hours	1.341x10 ⁻³	Horsepower-hours
Watt-hours	0.8605	Kilogram-calories
Watt-hours	367.1	Kilogram-meters
Watt-hours	10 ⁻³	Kilowatt-hours
Yards	91.44	Centimeters
Yards	3	Feet
Yards	36	Inches
Yards	0.9144	Meters