

Multiply	By	To Obtain
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A		
Acres	43560	Square feet
Acres	4047	Square meters
Acres	1.562 x 10 ⁻³	Square miles
Acres	4840	Square yards
Acre – feet	43560	Cubic feet
Acre – feet	271543	Imperial gallons
Acre – feet	325851	U.S. gallons
Acre – feet	1233.48	Cubic meters
Amperes / sq. centimeter	6.452	Amperes / sq. inch
Amperes / sq. centimeter	10 ⁴	Amperes / sq. meter
Amperes / sq. inch	0.1550	Amperes / sq. centimeter
Amperes / sq. inch	1550	Amperes / sq. meter
Amperes / sq. meter	10 ⁻⁴	Amperes / sq. centimeter
Amperes / sq. meter	6.452 x 10 ⁻⁴	Amperes / sq. inch
Ampere – hrs	3600	Coulombs
Ampere – hrs	0.03737	Faradays
Ampere – hrs	1.257	Gilberts
Ampere – turns / cm	2.540	Ampere – turns / inch
Ampere – turns / cm	100	Ampere – turns / meter
Ampere – turns / cm	1.257	Gilberts / centimeter
Ampere – turns / inch	0.3937	Ampere – turns / cm
Ampere – turns / inch	39.37	Ampere – turns / meter
Ampere – turns / inch	0.4950	Gilberts / centimeter
Ampere – turns / meter	0.01	Ampere – turns / cm
Ampere – turns / meter	0.0254	Ampere – turns / inch
Ampere – turns / meter	0.01257	Gilberts / centimeter
Atmospheres	1.0332	Atmospheres (metric)
Atmospheres	1.01325	Bars
Atmospheres	76.0	Centimeters of mercury
Atmospheres	29.92	Inches of mercury
Atmospheres	33.90	Feet of water
Atmospheres	10.3323	Meters of water
Atmospheres	1.0332	Kgs / sq. centimeter
Atmospheres	10332	Kgs / sq. meter
Atmospheres	14.70	Pounds / sq. inch
Atmospheres	0.006563	Tons / sq. inch
Atmospheres	0.9454	Tons / sq. foot
Atmospheres (metric)	0.9678	Atmospheres
Atmospheres (metric)	0.980665	Bars
B		
Bars	0.98692	Atmospheres
Bars	10 ⁶	Dynes / sq. centimeter
Bars	33.456	Feet of water
Bars	29.530	Inches of mercury
Bars	10.197	Meters of water
Bars	1.0197	Kgs / sq. centimeter
Bars	10197	Kgs / sq. meter
Bars	2088.6	Pounds / sq. foot
Bars	14.504	Pounds / sq. inch
Barrels – oil	42	U.S. gallons – oil
Barrels – beer	31	U.S. gallons – beer
Barrels – whiskey	45	U.S. gallons – whiskey
Barrels / day – oil	0.02917	U.S. gallons / min – oil
Bags or sacks – cement	94	Pounds – cement
Board feet	144	Cubic inches
Bolt (US Cloth)	36.576	Meters
British Thermal Units	1.0550 x 10 ¹⁰	Ergs
British Thermal Units	1054.8	Joules
British Thermal Units	0.2520	Kilogram – calories
British Thermal Units	777.6	Foot – pounds

Multiply	By	To Obtain
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British Thermal Units	3.927 x 10 ⁻⁴	Horsepower – hrs
British Thermal Units	107.5	Kilogram – meters
British Thermal Units	2.928 x 10 ⁻⁴	Kilowatt – hrs
B.T.U. / hr	0.2162	Foot – pounds / sec
B.T.U. / hr	3.927 x 10 ⁻⁴	Horsepower
B.T.U. / hr	2.928 x 10 ⁻⁴	Kilowatts
B.T.U. / hr	0.2928	Watts
B.T.U. / min	12.96	Foot – pounds / sec
B.T.U. / min	0.02356	Horsepower
B.T.U. / min	0.01757	Kilowatts
B.T.U. / min	17.57	Watts
Bushels	1.2445	Cubic feet
Bushels	2150.4	Cubic inches
Bushels	0.03524	Cubic meters
Bushels	35.24	Liters
Bushels	4	Pecks
Bushels	64	Pints (dry)
Bushels	32	Quarts (dry)
C		
Centares (Centiares)	1	Square meters
Centigrams	0.01	Grams
Centiliters	0.3382	Ounces (fluid)
Centiliters	0.6103	Cubic inches
Centiliters	2.705	Drams
Centiliters	0.01	Liters
Centimeters	3.281 x 10 ⁻²	Feet
Centimeters	0.3937	Inches
Centimeters	10 ⁻⁵	Kilometers
Centimeters	0.01	Meters
Centimeters	10	Millimeters
Centimeters	6.214 x 10 ⁻⁶	Miles
Centimeters	393.7	Mils
Centimeters	1.094 x 10 ⁻²	Yards
Centimeters of mercury	0.01316	Atmospheres
Centimeters of mercury	0.013332	Bars
Centimeters of mercury	0.013595	Kgs / sq. centimeter
Centimeters of mercury	0.4461	Feet of water
Centimeters of mercury	136.0	Kgs / sq. meter
Centimeters of mercury	27.85	Pounds / sq. foot
Centimeters of mercury	0.1934	Pounds / sq. inch
Centimeters / sec	0.01944	Knots
Centimeters / sec	1.969	Feet / min
Centimeters / sec	0.03281	Feet / sec
Centimeters / sec	0.036	Kilometers / hr
Centimeters / sec	0.6	Meters / min
Centimeters / sec	0.02237	Miles / hr
Centimeters / sec	3.728 x 10 ⁻⁴	Miles / min
Cms / sec / sec	0.03281	Feet / sec / sec
Cms / sec / sec	0.036	Kilometers / hr / sec
Cms / sec / sec	0.01	Meters / sec / sec
Cms / sec / sec	0.02237	Miles / hr / sec
Centipoises	0.001	Pascal – second
Centipoises	0.01	Poises
Centistokes	0.01	Sq. centimeters / sec
Centistokes	0.01	Stokes
Cubic centimeters	3.531 x 10 ⁻⁵	Cubic feet
Cubic centimeters	6.102 x 10 ⁻²	Cubic inches
Cubic centimeters	10 ⁻⁶	Cubic meters
Cubic centimeters	1.308 x 10 ⁻⁶	Cubic yards
Cubic centimeters	2.642 x 10 ⁻⁴	U.S. gallons
Cubic centimeters	9.999 x 10 ⁻⁴	Liters
Cubic centimeters	2.113 x 10 ⁻³	Pints (liq.)
Cubic centimeters	1.057 x 10 ⁻³	Quarts (liq.)

Multiply	By	To Obtain
Cubic centimeters / sec	0.0158502	U.S. gallons / min
Cubic centimeters / sec	0.001	Liters / sec
Cubit feet	0.8036	Bushels (dry)
Cubit feet	0.1718	Barrels (42 U.S. gallon)
Cubit feet	2.832 x 10 ⁻⁴	Cubic centimeters
Cubit feet	1728	Cubic inches
Cubit feet	0.02832	Cubic meters
Cubic feet	0.03704	Cubic yards
Cubit feet	7.48052	U.S. gallons
Cubit feet	28.32	Liters
Cubit feet	59.84	Pints (liq.)
Cubit feet	29.92	Quarts (liq.)
Cubic feet / min	472.0	Cubic cms / sec
Cubic feet / min	0.1247	U.S. gallons / sec
Cubic feet / min	0.4719	Liters / sec
Cubic feet / min	62.43	Pounds of water / min
Cubic feet / min	0.646317	Millions U.S. gallons / day
Cubic feet / sec	448.831	U.S. gallons / min
Cubic inches	16.39	Cubic centimeters
Cubic inches	5.787 x 10 ⁻⁴	Cubic feet
Cubic inches	1.639 x 10 ⁻⁵	Cubic meters
Cubic inches	2.143 x 10 ⁻⁵	Cubic yards
Cubic inches	1.639 x 10 ⁻²	Liters
Cubic inches	0.03463	Pints (liq.)
Cubic inches	0.01732	Quarts (liq.)
Cubic meters	10 ⁶	Cubic centimeters
Cubic meters	35.31	Cubic feet
Cubic meters	61023	Cubic inches
Cubic meters	1.308	Cubic yards
Cubic meters	264.2	U.S. gallons
Cubic meters	999.97	Liters
Cubic meters	2113	Pints (liq.)
Cubic meters	1057	Quarts (liq.)
Cubic meters / hr	4.40	U.S. gallons / min
Cubic meters / hr	16.67	Liters / min
Cubic meters / hr	0.278	Liters / sec
Cubic meters / hr	264.2	U.S. gallons / hr
Cubic yards	4.0089	Barrels (42 U.S. gallon)
Cubic yards	764554.86	Cubic centimeters
Cubic yards	27	Cubic feet
Cubic yards	46656	Cubic inches
Cubic yards	0.7646	Cubic meters
Cubic yards	202.0	U.S. gallons
Cubic yards	764.5	Liters
Cubic yards	1616	Pints (liq.)
Cubic yards	807.9	Quarts (liq.)
Cubic yards / min	0.45	Cubic feet / sec
Cubic yards / min	202.0	U.S. gallons / min
Cubic yards / min	3.366	U.S. gallons / sec
Cubic yards / min	12.74	Liters / sec
D		
Days	86400	Seconds
Decigrams	0.1	Grams
Deciliters	0.1	Liters
Decimeters	0.1	Meters
Degrees (angle)	60	Minutes
Degrees (angle)	0.01111	Quadrants
Degrees (angle)	0.01745	Radians
Degrees (angle)	3600	Seconds
Degrees / sec	0.01745	Radians / sec
Degrees / sec	0.1667	Revolutions / min
Degrees / sec	0.002778	Revolutions / sec
Dekagrams	10	Grams
Dekaliters	10	Liters
Dekameters	10	Meters
Drams	27.34375	Grains

Multiply	By	To Obtain
Drams	0.0625	Ounces
Drams	1.771845	Grams
Dynes	1.020 x 10 ⁻³	Grams
Dynes	1.020 x 10 ⁻⁶	Kilograms
Dynes	2.248 x 10 ⁻⁶	Pounds
Dynes / sq. centimeter	9.864 x 10 ⁻⁷	Atmospheres
Dynes / sq. centimeter	10 ⁻⁶	Bars
Dynes / sq. centimeter	3.346 x 10 ⁻⁵	Feet of water
Dynes / sq. centimeter	2.953 x 10 ⁻⁵	Inches of mercury
Dynes / sq. centimeter	1.0197 x 10 ⁻⁵	Feet of water
E		
Ell	114.30	Centimeters
Ell	45.0	Inches
Em, Pica	0.4233	Centimeters
Em, Pica	0.167	Inches
Erg / sec	1.000	Dyne-cm / sec
Ergs	9.481 x 10 ⁻¹¹	British Thermal Units
Ergs	1.0	Dyne – centimeters
Ergs	7.376 x 10 ⁻⁸	Foot – pounds
Ergs	0.2389 x 10 ⁻⁷	Gram – calories
Ergs	1.020 x 10 ⁻³	Gram – centimeters
Ergs	3.726 x 10 ⁻¹⁴	Horsepower – hrs
Ergs	10 ⁻⁷	Joules
Ergs	2.389 x 10 ⁻¹¹	Kilogram – calories
Ergs	1.020 x 10 ⁻⁸	Kilogram – meters
Ergs	0.2768 x 10 ⁻¹³	Kilowatt – hrs
Ergs	0.2768 x 10 ⁻¹⁰	Watt – hrs
Ergs / sec	5.688 x 10 ⁻⁹	B.T.U. / min
Ergs / sec	4.426 x 10 ⁻⁶	Foot – pounds / min
Ergs / sec	7.376 x 10 ⁻⁸	Foot – pounds / sec
Ergs / sec	1.341 x 10 ⁻¹⁰	Horsepower
Ergs / sec	1.433 x 10 ⁻⁹	Kilogram – calories / min
Ergs / sec	10 ⁻¹⁰	Kilowatts
F		
Fathoms	1.828822	Meters
Fathoms	6	Feet
Feet	30.48	Centimeters
Feet	0.166667	Fathoms
Feet	3.0480 x 10 ⁻⁴	Kilometers
Feet	1.894 x 10 ⁻⁴	Miles
Feet	304.80	Millimeters
Feet	12	Inches
Feet	0.3048	Meters
Feet	1/3	Yards
Feet of water	0.0295	Atmospheres
Feet of water	2.989 x 10 ⁻²	Bars
Feet of water	0.8826	Inches of mercury
Feet of water	0.03048	Kgs / sq. centimeter
Feet of water	304.8	Kgs / sq. meter
Feet of water	62.43	Pounds / sq. foot
Feet of water	0.4335	Pounds / sq. inch
Feet / min	0.5080	Centimeters / sec
Feet / min	0.01667	Feet / sec
Feet / min	0.01829	Kilometers / hr
Feet / min	0.3048	Meters / min
Feet / min	0.01136	Miles / hr
Feet / sec	30.48	Centimeters / sec
Feet / sec	1.097	Kilometers / hr
Feet / sec	0.5924	Knots
Feet / sec	18.29	Meters / min
Feet / sec	0.6818	Miles / hr
Feet / sec	0.01136	Miles / min
Feet / sec / sec	30.48	Centimeters / sec / sec
Feet / sec / sec	1.097	Kilometers / hr / sec
Feet / sec / sec	0.3048	Meters / sec / sec

Multiply	By	To Obtain
Feet / sec / sec	0.6818	Miles / hr / sec
Feet / sec / sec	0.0310810	G's (gravity)
Foot – pounds	1.286 x 10 ⁻³	British Thermal Units
Foot – pounds	1.356 x 10 ⁷	Ergs
Foot – pounds	0.3240	Gram – calories
Foot – pounds	5.050 X 10 ⁻⁷	Horsepower – hrs
Foot – pounds	1.356	Joules
Foot – pounds	3.240 x 10 ⁻⁴	Kilogram – calories
Foot – pounds	0.1383	Kilogram – meters
Foot – pounds	3.766 x 10 ⁻⁷	Kilowatt – hrs
Foot – pounds / min	2.140 x 10 ⁻⁵	B.T.U. / sec
Foot – pounds / min	0.01667	Foot – pounds / sec
Foot – pounds / min	3.030 x 10 ⁻⁵	Horsepower
Foot – pounds / min	5.393 x 10 ⁻³	Gram – calories / sec
Foot – pounds / min	2.280 x 10 ⁻⁵	Kilowatts
Foot – pounds / sec	7.704 x 10 ⁻²	B.T.U. / min
Foot – pounds / sec	1.818 x 10 ⁻³	Horsepower
Foot – pounds / sec	1.941 x 10 ⁻²	Kilogram – calories / min
Foot – pounds / sec	1.356 x 10 ⁻³	Kilowatts
G		
G's (gravity)	32.174	Feet / sec / sec
G's (gravity)	35.3034	Kilometers / hr / sec
G's (gravity)	9.80665	Meters / sec / sec
G's (gravity)	21.9371	Miles / hr / sec
Gallons - U.S.	3785	Cubic centimeters
Gallons - U.S.	0.1337	Cubic feet
Gallons - U.S.	231	Cubic inches
Gallons - U.S.	3.785 x 10 ⁻³	Cubic meters
Gallons - U.S.	4.951 x 10 ⁻³	Cubic yards
Gallons - U.S.	3.785	Liters
Gallons - U.S.	8	Pints (liq.)
Gallons - U.S.	4	Quarts (liq.)
Gallons – U.S.	0.83267	Imperial gallons
Gallons – Imperial	1.20095	U.S. gallons
Gallons – Imperial	4546.09	Cubic centimeters
Gallons – Imperial	0.1605	Cubic feet
Gallons – Imperial	277.41	Cubic inches
Gallons – Imperial	4.546 x 10 ⁻³	Cubic meters
Gallons – Imperial	5.946 x 10 ⁻³	Cubic yards
Gallons – Imperial	4.546	Liters
Gallons - U.S. water	8.345	Pounds of water
Gallons - U.S. / day	9.284 x 10 ⁻⁵	Cubit feet / min
Gallons - U.S. / day	1.5472 x 10 ⁻⁶	Cubit feet / sec
Gallons - U.S. / day	2.6289 x 10 ⁻⁶	Cubit meters / min
Gallons - U.S. / day	0.09284	Liters / min
Gallons - U.S. / hr	0.1337	Cubic feet / hr
Gallons - U.S. / hr	0.002228	Cubic feet / min
Gallons - U.S. / hr	3.71 x 10 ⁻⁵	Cubic feet / sec
Gallons - U.S. / hr	6.309 x 10 ⁻⁵	Cubic meters / min
Gallons - U.S. / hr	0.16667	Gallons - U.S. / min
Gallons - U.S. / hr	2.7778 x 10 ⁻⁴	Gallons - U.S. / sec
Gallons - U.S. / hr	0.06309	Liters / min
Gallons - U.S. / min	34.286	Barrels (42 U.S. gallon) / day
Gallons - U.S. / min	1.4286	Barrels (42 U.S. gallon) / hr
Gallons - U.S. / min	0.02381	Barrels (42 U.S. gallon) / min
Gallons - U.S. / min	1440	Gallons - U.S. / day
Gallons - U.S. / min	2.228 x 10 ⁻³	Cubic feet / sec
Gallons - U.S. / min	0.06308	Liters / sec
Gallons - U.S. / min	8.0208	Cubic feet / hr
Gallons - U.S. / sec	60	Gallons - U.S. / min
Gallons - U.S. / sec	227.12	Liters / min
Grains (troy)	0.06480	Grams
Grains (troy)	0.04167	Pennyweights (troy)
Grains (troy)	2.0833 x 10 ⁻³	Ounces (troy)

Multiply	By	To Obtain
Grains / U.S. gallon	17.118	Parts / million
Grains / U.S. gallon	142.86	Pounds / million gallon
Grains / Imperial gallon	14.254	Parts / million
Grams	980.7	Dynes
Grams	15.43	Grains
Grams	0.001	Kilograms
Grams	1000	Milligrams
Grams	0.03527	Ounces
Grams	0.03215	Ounces (troy)
Grams	2.205 x 10 ⁻³	Pounds
Grams / centimeter	5.600 x 10 ⁻³	Pounds / inch
Grams / cubic centimeter	62.43	Pounds / cubic foot
Grams / cubic centimeter	0.03613	Pounds / cubic inch
Grams / liter	58.416	Grains / gallon
Grams / liter	8.345	Pounds / 1000 U.S. gallons
Grams / liter	0.06242	Pounds / cubic foot
Grams / liter	1000	Parts / million
Gram – calories	3.9683 x 10 ⁻³	British Thermal Units
Gram – calories	4.1868 x 10 ⁷	Ergs
Gram – calories	3.0873	Foot – pounds
Gram – calories	1.5596 x 10 ⁻⁶	Horsepower – hrs
Gram – calories	1.1587 x 10 ⁻⁶	Kilowatt – hrs
Gram – calories / sec	14.286	B.T.U. / hr
H		
Hectares	2.471	Acres
Hectares	1.076 x 10 ⁵	Square feet
Hectograms	100	Grams
Hectoliters	100	Liters
Hectometers	100	Meters
Hectowatts	100	Watts
Horsepower	42.44	B.T.U. / min
Horsepower	33000	Foot – pounds / min
Horsepower	550	Foot – pounds / sec
Horsepower	1.014	Horsepower (metric)
Horsepower	10.547	Kilogram – calories / min
Horsepower	0.7457	Kilowatts
Horsepower	745.7	Watts
Horsepower (boiler)	33493	B.T.U. / hr
Horsepower (boiler)	9.809	Kilowatts
Horsepower (boiler)	9.2994	B.T.U. / sec
Horsepower (boiler)	9809.5	Watts
Horsepower – hrs	2546	British Thermal Units
Horsepower – hrs	2.6845 x 10 ¹³	Ergs
Horsepower – hrs	1.98 x 10 ⁶	Foot – pounds
Horsepower – hrs	6.416 x 10 ⁵	Gram – calories
Horsepower – hrs	2.72 x 10 ⁶	Joules
Horsepower – hrs	641.6	Kilogram – calories
Horsepower – hrs	2.737 x 10 ⁵	Kilogram – meters
Horsepower – hrs	0.7457	Kilowatt – hrs
Hours	3600	Seconds
Hours	60	Minutes
Hours	4.167 x 10 ⁻²	Days
Hours	5.952 x 10 ⁻³	Weeks
I		
Inches	2.540	Centimeters
Inches	0.083333	Feet
Inches	0.0254	Meters
Inches	25.4	Millimeters
Inches	1000	Mils
Inches	0.0277778	Yards
Inches of mercury	0.03342	Atmospheres
Inches of mercury	0.03386	Bars
Inches of mercury	13.6	Inches of water
Inches of mercury	0.034531	Kgs / sq. centimeter

Multiply	By	To Obtain
Inches of mercury	3374.1	Pascals
Inches of mercury	70.272	Pounds / sq. foot
Inches of mercury	0.49116	Pounds / sq. inch
Inches of mercury	1.133	Feet of water
Inches of mercury	345.3	Kgs / sq. meter
Inches of water	0.002458	Atmospheres
Inches of water	0.07355	Inches of mercury
Inches of water	25.40	Kgs / sq meter
Inches of water	0.578	Ounces / sq. inch
Inches of water	5.202	Pounds / sq. foot
Inches of water	0.03613	Pounds / sq. inch
J		
Joules	9.479×10^{-4}	British Thermal Units
Joules	0.239006	Calories (thermo)
Joules	0.73756	Foot – pounds
Joules	3.725×10^{-7}	Horsepower – hrs (U.S.)
Joules	2.7778×10^{-7}	Kilowatt – hrs
Joules	1	Newton – meter
Joules	2.7778×10^{-4}	Watt – hrs
K		
Kilograms	35.274	Ounces (avoir)
Kilograms	32.151	Ounces (troy)
Kilograms	980665	Dynes
Kilograms	2.205	Pounds
Kilograms	1.102×10^{-3}	Tons (short)
Kilograms	34.286	Tons (assay)
Kilograms	9.8421×10^{-4}	Tons (long)
Kilograms	0.001	Tons (metric)
Kilograms	10^3	Grams
Kilogram – calories / sec	3.968	B.T.U. / sec
Kilogram – calories / sec	3086	Foot – pounds / sec
Kilogram – calories / sec	5.6145	Horsepower
Kilogram – calories / sec	4186.7	Watts
Kilogram – calories / min	3085.9	Foot – pounds / min
Kilogram – calories / min	0.09351	Horsepower
Kilogram – calories / min	69.733	Watts
Kilograms / sq. cm	0.96783	Atmospheres
Kilograms / sq. cm	0.980665	Bars
Kilograms / sq. cm	28.959	Inches of mercury
Kilograms / sq. cm	14.223	Pounds / sq. inch
Kilograms / meter	0.6720	Pounds / foot
Kilograms / sq. meter	9.678×10^{-5}	Atmospheres
Kilograms / sq. meter	3.281×10^{-3}	Feet of water
Kilograms / sq. meter	2.896×10^{-3}	Inches of mercury
Kilograms / sq. meter	0.2048	Pounds / sq. foot
Kilograms / sq. meter	1.422×10^{-3}	Pounds / sq. inch
Kilograms / sq. millimeter	10^6	Kgs / sq. meter
Kiloliters	10^3	Liters
Kilometers	10^5	Centimeters
Kilometers	3281	Feet
Kilometers	3.937×10^4	Inches
Kilometers	10^3	Meters
Kilometers	0.6214	Miles
Kilometers	1094	Yards
Kilometers / hr	27.78	Centimeters / sec
Kilometers / hr	54.68	Feet / min
Kilometers / hr	0.9113	Feet / sec
Kilometers / hr	0.5399	Knots
Kilometers / hr	16.67	Meters / min
Kilometers / hr	0.6214	Miles / hr
Kilometers / hr / sec	27.78	Centimeters / sec / sec
Kilometers / hr / sec	0.9113	Feet / sec / sec
Kilometers / hr / sec	0.2778	Meters / sec / sec
Kilometers / hr / sec	0.6214	Miles / hr / sec
Kilopascal	0.145	Pounds / sq. inch

Multiply	By	To Obtain
Kilowatts	56.907	B.T.U. / min
Kilowatts	4.425×10^4	Foot – pounds / min
Kilowatts	737.6	Foot – pounds / sec
Kilowatts	1.341	Horsepower (U.S.)
Kilowatts	1.3597	Horsepower (metric)
Kilowatts	1000	Joules / sec
Kilowatts	3412.9	B.T.U. / hr
Kilowatts	0.94827	B.T.U. / sec
Kilowatts	14.34	Kilogram – calories / min
Kilowatts	10^3	Watts
Kilowatts – hrs	3414.4	British Thermal Units
Kilowatts – hrs	3.6×10^{13}	Ergs
Kilowatts – hrs	2.655×10^6	Foot – pounds
Kilowatts – hrs	1.341	Horsepower – hrs
Kilowatts – hrs	3.6×10^6	Joules
Kilowatts – hrs	860.4	Kilogram – calories
Kilowatts – hrs	3.671×10^5	Kilogram – meters
Knots	6076.12	Feet / hr
Knots	1.8520	Kilometers / hr
Knots	2025.37	Yards / hr
Knots	1.688	Feet / sec
L		
Liters	10^3	Cubic centimeters
Liters	0.03531	Cubic feet
Liters	61.02	Cubic inches
Liters	10^{-3}	Cubic meters
Liters	1.308×10^{-3}	Cubic yards
Liters	0.2642	U.S. gallons
Liters	2.113	Pints (liq.)
Liters	1.057	Quarts (liq.)
Liters	9.82×10^{-4}	Tons of water
Liters / min	5.886×10^{-4}	Cubic feet / sec
Liters / min	4.403×10^{-3}	U.S. gallons / sec
Liters / min	0.264	U.S. gallons / min
Liters / min	0.06	Cubic meters / hr
Liters / sec	15.84	U.S. gallons / min
Liters / sec	0.0228	Millions U.S. gallons / day
Liters / sec	3.60	Cubic meters / hr
Liters / hr	4.403×10^{-3}	U.S. gallons / min
M		
Meters	100	Centimeters
Meters	3.281	Feet
Meters	39.37	Inches
Meters	10^{-3}	Kilometers
Meters	10^3	Millimeters
Meters	6.214×10^{-4}	Miles
Meters	1.094	Yards
Meters of water	9.678×10^{-2}	Atmospheres
Meters of water	0.098	Bars
Meters of water	999.233	Kgs / sq. meter
Meters	1.094	Yards
Meters / min	1.667	Centimeters / sec
Meters / min	3.281	Feet / min
Meters / min	0.05468	Feet / sec
Meters / min	0.06	Kilometers / hr
Meters / min	0.0324	Knots
Meters / min	0.03728	Miles / hr
Meters / sec	196.8	Feet / min
Meters / sec	3.281	Feet / sec
Meters / sec	3.6	Kilometers / hrs
Meters / sec	0.06	Kilometers / min
Meters / sec	2.237	Miles / hr
Meters / sec	0.03728	Miles / min
Meters / sec / sec	100	Centimeters / sec / sec

Multiply	By	To Obtain
Meters / sec / sec	3.2808	Feet / sec / sec
Meters / sec / sec	0.101972	G's (gravity)
Meters / sec / sec	39.37	Inches / sec / sec
Meters / sec / sec	134.214	Miles / hr / min
Meter – kilograms (force)	9.8067	Joules
Microns	10 ⁻⁶	Meters
Miles	1.609 x 10 ⁵	Centimeters
Miles	5280	Feet
Miles	6.336 x 10 ⁴	Inches
Miles	1.609	Kilometers
Miles	1760	Yards
Miles / hr	44.70	Centimeters / sec
Miles / hr	88	Feet / min
Miles / hr	1.467	Feet / sec
Miles / hr	1.609	Kilometers / hr
Miles / hr	0.8689	Knots
Miles / hr	26.82	Meters / min
Miles / min	2682	Centimeters / sec
Miles / min	88	Feet / sec
Miles / min	1.609	Kilometers / sec
Miles / min	52.14	Knots / min
Miles / min	60	Miles / hr
Milliers	10 ³	Kilograms
Milligrams	10 ⁻³	Grams
Milligrams / liter	1	Parts / million
Milliliters	10 ⁻³	Liters
Millimeters	0.1	Centimeters
Millimeters	3.281 x 10 ⁻³	Feet
Millimeters	0.03937	Inches
Millimeters	10 ⁻⁶	Kilometers
Millimeters	6.214 x 10 ⁻⁷	Miles
Millimeters	39.37	Mils
Millimeters	1.094 x 10 ⁻³	Yards
Million U.S. gallons / day	1.54723	Cubic feet / sec
Million U.S. gallons / day	694.44	U.S. gallons / min
Million U.S. gallons / day	43.85	Liters / sec
Miner's inches	1.5	Cubic feet / min
Mils	2.540 x 10 ⁻³	Centimeters
Mils	8.333 x 10 ⁻⁵	Feet
Mils	0.001	Inches
Mils	2.540 x 10 ⁻⁸	Kilometers
Mils	2.778 x 10 ⁻⁵	Yards
Minutes (angle)	0.01667	Degrees
Minutes (angle)	1.852 x 10 ⁻⁴	Quadrants
Minutes (angle)	2.909 x 10 ⁻⁴	Radians
Minutes (angle)	60	Second
N		
Neper	8.686	Decibels
Newtons	1 x 10 ⁵	Dynes
Newtons	0.10197	Kilograms
Newtons	0.22481	Pounds – force
Newton – meters	0.73757	Foot – pounds
Newtons / sq. meter	3.345 x 10 ⁻⁴	Feet
Newtons / sq. meter	1.02 x 10 ⁻⁴	Meters
Newtons / sq. meter	1.45 x 10 ⁻⁴	Pounds / sq. inch
O		
Ounces	16	Drams
Ounces	437.5	Grains
Ounces	0.0625	Pounds
Ounces	28.3495	Grams
Ounces	0.9115	Ounces (troy)
Ounces	2.790 x 10 ⁻⁵	Tons (long)
Ounces	2.835 x 10 ⁻⁵	Tons (metric)
Ounces (troy)	480	Grains
Ounces (troy)	20	Pennyweights (troy)

Multiply	By	To Obtain
Ounces (troy)	0.083333	Pounds (troy)
Ounces (troy)	31.10348	Grams
Ounces (troy)	1.09714	Ounces (avoir)
Ounces (fluid)	1.805	Cubic inches
Ounces (fluid)	0.02957	Liters
Ounces / sq. inch	0.0625	Pounds / sq. inch
Ounces / U.S. gallon	7.4892	Kilograms / cubic meter
Ounces / U.S. gallon	0.25	Ounces / quart
Ounces / U.S. gallon	0.46753	Pounds / cubic foot
Ounces / U.S. gallon	2.7056 x 10 ⁻⁴	Pounds / cubic inch
P		
Parts / million	0.0584	Grains / U.S. gallon
Parts / million	0.07015	Grains / imperial gallon
Parts / million	8.345	Pounds / million gallon
Pennyweights (troy)	24	Grains
Pennyweights (troy)	1.55517	Grams
Pennyweights (troy)	0.05	Ounces (troy)
Pennyweights (troy)	4.1667 x 10 ⁻³	Pounds (troy)
Pints (liq.)	568.26	Cubic centimeters
Pints (liq.)	0.02007	Cubic feet
Pints (liq.)	34.67	Cubic inches
Pints (liq.)	5.683 x 10 ⁻⁴	Cubic meters
Pints (liq.)	7.432 x 10 ⁻⁴	Cubic yards
Pints (liq.)	0.125	U.S. gallons
Pints (liq.)	0.5683	Liters
Pints (liq.)	0.5	Quarts (liq.)
Pounds	256	Drams
Pounds	44.479 x 10 ⁴	Dynes
Pounds	7000	Grains
Pounds	0.0005	Tons (short)
Pounds	453.5924	Grams
Pounds	0.4536	Kilograms
Pounds	16	Ounces
Pounds	14.5833	Ounces (troy)
Pounds	1.21528	Pounds (troy)
Pounds (troy)	5760	Grains
Pounds (troy)	240	Pennyweights (troy)
Pounds (troy)	12	Ounces (troy)
Pounds (troy)	373.2417	Grams
Pounds (troy)	0.822857	Pounds (avoir)
Pounds (troy)	13.1657	Ounces (avoir)
Pounds (troy)	3.6735 x 10 ⁻⁴	Tons (long)
Pounds (troy)	4.1143 x 10 ⁻⁴	Tons (short)
Pounds (troy)	3.7324 x 10 ⁻⁴	Tons (metric)
Pounds of water	0.01602	Cubic feet
Pounds of water	27.68	Cubic inches
Pounds of water	0.1198	U.S. gallons
Pounds of water / min	2.670 x 10 ⁻⁴	Cubic feet / sec
Pounds / cubic foot	0.01602	Grams / cubic centimeter
Pounds / cubic foot	16.02	Kilograms / cubic meter
Pounds / cubic foot	5.787 x 10 ⁻⁴	Pounds / cubic foot
Pounds / cubic inch	27.68	Grams / cubic centimeter
Pounds / cubic inch	2.768 x 10 ⁴	Kilograms / cubic meter
Pounds / cubic inch	1728	Pounds / cubic foot
Pounds / foot	1.488	Kilograms / meter
Pounds / inch	178.6	Grams / centimeter
Pounds / sq. inch	0.06804	Atmospheres
Pounds / sq. inch	0.06895	Bars
Pounds / sq. inch	5.1715	Centimeter of mercury
Pounds / sq. inch	2.307	Feet of water
Pounds / sq. inch	2.036	Inches of mercury
Pounds / sq. inch	0.070307	Kgs / sq. centimeter
Pounds / sq. inch	703.1	Kgs / sq. meter
Pounds / sq. inch	6895	Newtons / sq. meter
Pounds / sq. inch	6895	Pascals
Pounds / sq. foot	4.788 x 10 ⁻⁴	Bars
Pounds / sq. foot	0.035913	Centimeter of mercury

Multiply	By	To Obtain
Pounds / sq. foot	0.01602	Feet of water
Pounds / sq. foot	0.014139	Inches of mercury
Pounds / sq. foot	4.8824×10^{-4}	Kgs / sq. centimeter
Pounds / sq. foot	4.882	Kgs / sq. meter
Pounds / sq. foot	6.944×10^{-3}	Pounds / sq. inch
Pounds / sq. foot	47.880	Newtons / sq. meter
Pounds / sq. foot	47.880	Pascals
Q		
Quadrants (angle)	90	Degrees
Quadrants (angle)	5400	Minutes
Quadrants (angle)	1.571	Radians
Quarts (dry)	67.20	Cubic inches
Quarts (liq.)	946.35	Cubic centimeters
Quarts (liq.)	0.0334	Cubic feet
Quarts (liq.)	57.75	Cubic inches
Quarts (liq.)	9.4635×10^{-4}	Cubic meters
Quarts (liq.)	51.2378×10^{-3}	Cubic yards
Quarts (liq.)	0.25	U.S. gallons
Quarts (liq.)	0.94635	Liters
Quintal, Argentina	101.28	Pounds
Quintal, Brazil	129.54	Pounds
Quintal, Castile, Peru	101.43	Pounds
Quintal, Chile	101.41	Pounds
Quintal, Mexico	101.47	Pounds
Quintal, Metric	202.46	Pounds
Quires	25	Sheets
R		
Radians	57.30	Degrees
Radians	3438	Minutes
Radians	0.637	Quadrants
Radians	2.063×10^5	Seconds
Radians / sec	57.30	Degrees / sec
Radians / sec	0.1592	Revolutions / sec
Radians / sec	9.549	Revolutions / min
Radians / sec / sec	573.0	Revolutions / min / min
Radians / sec / sec	0.1592	Revolutions / sec / sec
Reams	500	Sheet
Revolutions	360	Degrees
Revolutions	4	Quadrants
Revolutions	6.283	Radians
Revolutions / min	6	Degrees / sec
Revolutions / min	0.1047	Radians / sec
Revolutions / min	0.01667	Revolutions / sec
Revolutions / min / min	1.745×10^{-3}	Radians / sec / sec
Revolutions / min / min	2.778×10^{-4}	Revolutions / sec / sec
Revolutions / sec	360	Degrees / sec
Revolutions / sec	6.283	Radians / sec
Revolutions / sec	60	Revolutions / min
Revolutions / sec / sec	6.283	Degrees / sec / sec
Revolutions / sec / sec	3600	Revolutions / min / min
S		
Second (angle)	2.778×10^{-4}	Degrees
Second (angle)	0.01667	Minutes
Second (angle)	3.086×10^{-6}	Quadrants
Second (angle)	4.848×10^{-6}	Radians
Square centimeters	1.076×10^{-3}	Square feet
Square centimeters	0.1550	Square inches
Square centimeters	10^{-4}	Square meters
Square centimeters	3.861×10^{-11}	Square miles
Square centimeters	100	Square millimeters
Square centimeters	1.196×10^{-4}	Square yards
Square feet	2.296×10^5	Acres
Square feet	929.0	Square centimeters

Multiply	By	To Obtain
Square feet	144	Square inches
Square feet	0.09290	Square meters
Square feet	3.587×10^{-8}	Square miles
Square feet	9.290×10^4	Square millimeters
Square feet	1/9	Square yards
Square inches	6.452	Square centimeters
Square inches	6.944×10^{-3}	Square feet
Square inches	645.2	Square millimeters
Square inches	10^6	Square mils
Square inches	7.716×10^{-4}	Square yards
Square kilometers	247.1	Acres
Square kilometers	10^{10}	Square centimeters
Square kilometers	10.76×10^6	Square feet
Square kilometers	1.550×10^9	Square inches
Square kilometers	10^6	Square meters
Square kilometers	0.3861	Square miles
Square kilometers	1.196×10^6	Square yards
Square meters	2.471×10^{-4}	Acres
Square meters	10^4	Square centimeters
Square meters	10.76	Square feet
Square meters	1550	Square inches
Square meters	3.861×10^{-7}	Square miles
Square meters	10^6	Square millimeters
Square meters	1.196	Square yards
Square miles	640	Acres
Square miles	2.788×10^7	Square feet
Square miles	2.590	Square kilometers
Square miles	2.590×10^6	Square meters
Square miles	3.098×10^6	Square yards
Square miles	259	Hectares
Square millimeters	0.01	Square centimeters
Square millimeters	1.076×10^{-5}	Square feet
Square millimeters	1.550×10^{-3}	Square inches
Square mils	6.452×10^{-6}	Square centimeters
Square mils	10^{-6}	Square inches
Square yards	2.066×10^{-4}	Acres
Square yards	8361.48	Square centimeters
Square yards	9	Square feet
Square yards	1296	Square inches
Square yards	0.8361	Square meters
Square yards	3.228×10^{-7}	Square miles
Square yards	8.361×10^5	Square millimeters
T		
Temp. (°C) + 273	1	Abs. Temp. (Kelvin)
Temp. (°C) + 17.78	1.8	Temp. (°F)
Temp. (°F) + 460	1	Abs. Temp. (Renkin)
Temp. (°F) - 32	5/9	Temp. (°C)
Tons (long)	1016	Kilograms
Tons (long)	2240	Pounds
Tons (long)	1.12000	Tons (short)
Tons (metric)	10^3	Kilograms
Tons (metric)	2205	Pounds
Tons (short)	2000	Pounds
Tons (short)	32000	Ounces
Tons (short)	907.1843	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	35.88	Cubic feet
Tons of water	268.8	U.S. gallons
Tons of water	1016.04	Liters
Tons of water / day	83.333	Pounds of water / hr
Tons of water / day	0.1866	U.S. gallons / min
Tons of water / day	1.495	Cubic feet / hr

Multiply	By	To Obtain
V		
Volts / inch	0.39370	Volts / centimeter
Volts (absolute)	0.003336	Statvolts
W		
Watts	0.05686	B.T.U. / min
Watts	44.25	Foot – pounds / min
Watts	0.7376	Foot – pounds / sec
Watts	1.341×10^{-3}	Horsepower (U.S.)
Watts	0.001360	Horsepower (metric)
Watts	1	Joules / sec
Watts	0.01434	Kilogram – calories / min
Watts	10^{-3}	Kilowatts
Watt – hrs	3.414	B.T.U.
Watt – hrs	2655	Foot – pounds
Watt – hrs	1.341×10^{-3}	Horsepower – hrs
Watt – hrs	0.8604	Kilogram – calories
Watt – hrs	367.1	Kilogram – meters
Watt – hrs	10^{-3}	Kilowatt – hrs
Y		
Yards	91.44	Centimeters
Yards	9.144×10^{-4}	Kilometers
Yards	3	Feet
Yards	36	Inches
Yards	0.9144	Meters
Yards	5.682×10^{-4}	Miles
Yards	914.4	Millimeters