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DECIMAL EQUIVALENTS

Fraction	Decimal	Fraction	Decimal	Fraction	Decimal
1/64	0.0156	11/32	0.3438	43/64	0.6719
1/32	0.0313	23/64	0.3594	11/16	0.6875
3/64	0.0469	3/8	0.3750	45/64	0.7031
1/16	0.0625	25/64	0.3906	23/32	0.7188
5/64	0.0781	13/32	0.4063	47/64	0.7344
3/32	0.0938	27/64	0.4219	3/4	0.7500
7/64	0.1094	7/16	0.4375	49/64	0.7656
1/8	0.1250	29/64	0.4531	25/32	0.7813
9/64	0.1406	15/32	0.4688	51/64	0.7969
5/32	0.1563	31/64	0.4844	13/16	0.8125
11/64	0.1719	1/2	0.5000	53/64	0.8281
3/16	0.1875	33/64	0.5156	27/32	0.8438
13/64	0.2031	17/32	0.5313	55/64	0.8594
7/32	0.2188	35/64	0.5469	7/8	0.8750
15/64	0.2344	9/16	0.5625	57/64	0.8906
1/4	0.2500	37/64	0.5781	29/32	0.9063
17/64	0.2656	19/32	0.5938	59/64	0.9219
9/32	0.2813	39/64	0.6094	15/16	0.9375
19/64	0.2969	5/8	0.6250	61/64	0.9531
5/16	0.3125	41/64	0.6406	31/32	0.9688
21/64	0.3281	21/32	0.6563	63/64	0.9844
				1	1.0000

TEMPERATURE CONVERSIONS

$$^{\circ}\text{F} = 9/5 \text{ }^{\circ}\text{C} + 32$$

$$^{\circ}\text{C} = 5/9 (\text{ }^{\circ}\text{F} - 32)$$

DECADE TABLE (SI PREFIXES AND MULTIPLICATION FACTORS)

Value	Prefix	SI Symbol	Factor
1 000 000 000 000	tera	T	10 ¹²
1 000 000 000	giga	G	10 ⁹
1 000 000	mega	M	10 ⁶
1 000	kilo	k	10 ³
100	hecto	h	10 ²
10	deka	da	10 ¹
0.1	deci	d	10 ⁻¹
0.01	centi	c	10 ⁻²
0.001	mili	m	10 ⁻³
0.000 001	micro	μ	10 ⁻⁶
0.000 000 001	nano	n	10 ⁻⁹
0.000 000 000 001	pico	p	10 ⁻¹²

USEFUL CONVERSIONS

TO CONVERT . . .	INTO . . .	MULTIPLY BY ...
A		
abamperes	amperes	1.0×10^1
abcoulombs	statcoulombs	2.998×10^{10}
abfarads	farads	1.0×10^9
abfarads	microfarads	1.0×10^{15}
abhenries	henries	1.0×10^{-9}
abhenries	millihenries	1.0×10^{-6}
abohms	ohms	1.0×10^{-9}
abohms	megohms	1.0×10^{-15}
abvolts	volts	1.0×10^{-8}
acres	sq. chain (gunters)	1.0×10^1
acres	rods	1.60×10^2
acres	square links	1.0×10^5
acres	hectare or sq. hectometer	4.047×10^{-1}
acres	sq. feet	4.35×10^4
acres	sq. meters	4.047×10^3
acres	sq. miles	1.562×10^{-3}
acres	sq. yards	4.840×10^3
acre-feet	cu. feet	4.356×10^4
acre-feet	gallons	3.259×10^5
amperes/sq. cm.	amps/sq. in.	6.452
amperes/sq. cm.	amps/sq. meter	1.0×10^4
amperes/sq. in.	amps/sq. cm.	1.550×10^{-1}
amperes/sq. in.	amps/sq. meter	1.550×10^3
amperes/sq. meter	amps/sq. cm.	$1. \times 10^{-4}$
amperes/sq. meter	amps/sq. in.	6.452×10^{-4}
ampere-hours	coulombs	3.600×10^3
ampere-hours	faradays	3.731×10^{-2}
ampere-turns	gilberts	1.257
ampere-turns/cm.	amp-turns/in.	2.540
ampere-turns/cm.	amp-turns/meter	1.0×10^2
ampere-turns/in.	amp-turns/cm.	3.937×10^{-1}
ampere-turns/in.	amp-turns/meter	3.937×10^1
ampere-turns/in.	gilberts/cm.	4.950×10^{-1}
ampere-turns/meter	amp/turns/cm.	1.0×10^{-2}
ampere-turns/meter	amp-turns/in.	2.54×10^{-2}
ampere-turns/meter	gilberts/cm	1.257×10^{-2}
angstrom unit	inches	3.937×10^{-9}
angstrom unit	meters	1.0×10^{-10}
angstrom unit	micron or (μ)	1.0×10^{-4}
ares	acres	2.471×10^{-2}
ares	sq. yards	1.196×10^2
ares	sq. meters	1.0×10^2
astronomical unit	kilometers	1.495×10^8
atmospheres	bar	1.0133
atmospheres	ton/sq. inch	7.348×10^{-3}
atmospheres	cms. of mercury (at 0°C)	$76. \times 10^1$
atmospheres	ft. of water (at 4°C)	3.39×10^1
atmospheres	in. of mercury (at 0°C)	2.992×10^1
atmospheres	meters of mercury (0°C)	7.6×10^{-1}

TO CONVERT . . .	INTO . . .	MULTIPLY BY ...
atmospheres	kgs./sq. cm.	1.0333
atmospheres	kgs./sq. meter	1.0332×10^4
atmospheres	kilopascals (kPa)	1.01325×10^2
atmospheres	pounds/sq in.	1.469×10^1
atmospheres	tons/sq. ft.	1.058
B		
barrels (U.S. dry)	bushels	3.281
barrels (U.S. dry)	cu. inches	7.056×10^3
barrels (U.S. dry)	quarts (dry)	1.05×10^2
barrels (U.S. liquid)	gallons	3.15×10^1
barrels (oil)	gallons (oil)	4.2×10^1
bar	atmospheres	9.869×10^{-1}
bar	dynes/sq. cm.	1.0×10^6
bar	feet of water (4°C)	33.4883
bar	inches of mercury	29.5300
bar	kgs./sq. cm.	1.01972
bar	kilopascals (kPa)	1.0000×10^2
bar	pounds/sq. ft.	2.089×10^3
bar	pounds/sq. in.	1.45×10^1
barye	dyne/sq. cm.	1.00
bolt (U.S. cloth)	meters	3.6576×10^1
btu	liter-atmospheres	1.0409×10^1
btu	ergs	1.0550×10^{10}
btu	foot-lbs.	7.7816×10^2
btu	gram-calories	2.52×10^2
btu	horsepower-hours	3.927×10^{-4}
btu	joules	1.055×10^3
btu	kilogram-calories	2.52×10^{-1}
btu	kilogrammeters	1.0758×10^2
btu	kilowatt-hours	2.928×10^{-4}
btu/hr	foot-pounds/sec.	2.162×10^{-1}
btu/hr	gram-cal./sec.	7.0×10^{-2}
btu/hr	horsepower-hours	3.929×10^{-4}
btu/hr	watts	2.931×10^{-1}
btu/min.	foot-lbs./sec.	1.296×10^1
btu/min.	horsepower	2.356×10^{-2}
btu/min.	kilowatts	1.757×10^{-2}
btu/min.	watts	1.757×10^1
btu/sq. ft./min.	watts/sq. in.	1.22×10^{-1}
bucket(Br. dry)	cubic cm.	1.8184×10^4
bushels	cu. ft.	1.2445
bushels	cu. in.	2.1504×10^3
bushels	cu. meters	3.524×10^{-2}
bushels	liters	3.524×10^1
bushels	pecks	4.0
bushels	pints (dry)	6.4×10^1
bushels	quarts (dry)	3.2×10^1
C		
calories, gram (mean)	btu (mean)	3.9685×10^{-3}
candle/sq. cm.	lamberts	3.146

TO CONVERT . . .	INTO . . .	MULTIPLY BY ...
candle/sq. inch	lamberts	4.870×10^{-1}
centares (centiares)	sq. meters	1.0
centigrade (degrees)	fahrenheit (degrees)	$(^{\circ}\text{C} \times 9/5) + 32$
centigrade (degrees)	kelvin (degrees)	$^{\circ}\text{C} + 273.18$
centigrams	grams	1.0×10^{-2}
centiliters	ounce fluid (U.S.)	3.382×10^{-1}
centiliters	cubic inch	6.103×10^{-1}
centiliters	drams	2.705
centiliters	liters	1.0×10^{-2}
centimeters	feet	3.281×10^{-2}
centimeters	inches	3.937×10^{-1}
centimeters	kilometers	1.0×10^{-5}
centimeters	meters	1.0×10^{-2}
centimeters	miles	6.214×10^{-6}
centimeters	microns	1.0×10^4
centimeters	millimeters	1.0×10^1
centimeters	mils	3.937×10^2
centimeters	yards	1.094×10^{-2}
centimeters	angstrom units	1.094×10^8
centimeter-dynes	cn-grams	1.020×10^{-3}
centimeter-dynes	meter-kgs.	1.020×10^{-8}
centimeter-dynes	pound-feet	7.376×10^{-8}
centimeter-grams	cm-dynes	9.807×10^2
centimeter-grams	meter-kgs.	1.0×10^{-5}
centimeter-grams	pound-feet	7.233×10^{-5}
centimeters of mercury	atmospheres	1.316×10^{-2}
centimeters of mercury	feet of water	4.461×10^{-1}
centimeters of mercury	kgs./sq. meter	1.36×10^2
centimeters of mercury	pounds/sq. ft.	2.785×10^1
centimeters of mercury	pounds/sq. in.	1.934×10^{-1}
centimeters/sec.	feet/min.	1.969
centimeters/sec.	feet/sec.	3.281×10^{-2}
centimeters/sec.	kilometers/hr.	3.6×10^{-2}
centimeters/sec.	knots	1.943×10^{-2}
centimeters/sec.	meters/min.	6.0×10^{-1}
centimeters/sec.	miles/hr.	2.237×10^{-2}
centimeters/sec.	miles/min.	3.728×10^{-4}
centimeters/sec./sec.	feet/sec./sec.	3.281×10^{-2}
centimeters/sec./sec.	kms/hr/sec.	3.6×10^{-2}
centimeters/sec./sec.	meters/sec./sec.	1.0×10^{-2}
centimeters/sec./sec.	miles/hr./sec.	2.237×10^{-2}
centipoise	gr./cm./-sec.	1.0×10^{-2}
centipoise	pound/ft./-sec.	6.72×10^{-4}
centipoise	pound/ft./-hr.	2.4
chains (gunters)	inches	7.92×10^2
chains (gunters)	meters	2.012×10^1
chains (gunters)	yards	2.2×10^1
circular mils	sq. cms	5.067×10^{-6}
circular mils	sq. mils	7.854×10^{-1}
circular mils	sq. inches	7.854×10^{-7}

TO CONVERT . . .	INTO . . .	MULTIPLY BY ...
circumference	radians	6.283
cords	cord feet	8.0
cord feet	cu. feet	1.6×10^1
coulombs	statcoulombs	2.998×10^9
coulombs	faradays	1.036×10^{-5}
coulombs/sq. cm.	coulombs/sq. in.	6.452
coulombs/sq. cm.	coulombs/sq. meter	1.0×10^4
coulombs/sq. in.	coulombs/sq. cm.	1.550×10^{-1}
coulombs/sq. in.	coulombs/sq. meter	1.550×10^3
coulombs/sq. meter	coulombs/sq. cm.	1.0×10^{-4}
coulombs/sq. meter	coulombs/sq. in.	6.452×10^{-4}
cubic centimeters	cu. feet	3.531×10^{-5}
cubic centimeters	cu. inches	6.102×10^{-2}
cubic centimeters	cu. meters	1.0×10^{-6}
cubic centimeters	cu. yards	1.308×10^{-6}
cubic centimeters	gallons (U.S. liq.)	2.642×10^{-4}
cubic centimeters	liters	1.0×10^{-3}
cubic centimeters	pints (U.S. liq.)	2.113×10^{-3}
cubic centimeters	quarts (U.S. liq.)	1.057×10^{-3}
cubic feet	bushels (dry)	8.036×10^{-1}
cubic feet	cu. cms.	2.8320×10^4
cubic feet	cu. inches	1.728×10^3
cubic feet	cu. meters	2.832×10^{-2}
cu. ft. gas (ft ³ @ 60°F, 1 atm)	cu. m. gas (m ³ @ 0°C, 1 atm)	2.68×10^{-2}
cubic feet	cu. yards	3.704×10^{-2}
cubic feet	gallons (U.S. liq.)	7.48052
cubic feet	liters	2.832×10^1
cubic feet	pints (U.S. liq.)	5.984×10^1
cubic feet	quarts (U.S. liq.)	2.992×10^1
cubic feet/min.	cu. cms./sec.	4.720×10^2
cubic feet/min.	gallons/sec.	1.247×10^{-1}
cubic feet/min.	liters/sec.	4.720×10^{-1}
cubic feet/min.	pounds of water/min.	6.243×10^1
cubic feet/sec.	million gallons/day	6.46317×10^{-1}
cubic feet/sec.	gallons/min.	4.48831×10^2
cubic inches	cu. cms.	1.639×10^1
cubic inches	cu. feet	5.787×10^{-4}
cubic inches	cu. meters	1.639×10^{-5}
cubic inches	cu. yards	2.143×10^{-5}
cubic inches	gallons	4.329×10^{-3}
cubic inches	liters	1.639×10^{-2}
cubic inches	pints (U.S. liq.)	3.463×10^{-2}
cubic inches	quarts (U.S. liq.)	1.732×10^{-2}
cubic meters	bushels (dry)	2.838×10^1
cubic meters	cu. cms.	1.0×10^6
cubic meters	cu. feet	3.531×10^1
cu. m. gas (m ³ @ 0°C, 1 atm)	cu. ft. gas (ft ³ @ 60°F, 1 atm)	3.725×10^1
cubic meters	cu. inches	6.1023×10^4
cubic meters	cu. yards	1.308
cubic meters	gallons (U.S. liq.)	2.642×10^2

TO CONVERT . . .	INTO . . .	MULTIPLY BY ...
cubic meters	liters	1.000×10^3
cubic meters	pints (U.S. liq.)	2.113×10^3
cubic meters	quarts (U.S. liq.)	1.057×10^3
cubic yards	cu. cms.	7.646×10^5
cubic yards	cu. feet	2.70×10^1
cubic yards	cu. inches	4.6656×10^4
cubic yards	cu meters	7.646×10^{-1}
cubic yards	gallons (U.S. liq.)	2.02×10^2
cubic yards	liters	7.646×10^2
cubic yards	pints (U.S. liq.)	1.6159×10^3
cubic yards	quarts (U.S. liq.)	8.079×10^2
cubic yards/min.	cubic ft./sec.	4.5×10^{-1}
cubic yards/min.	gallons/sec.	3.367
cubic yards/min.	liters/sec.	1.274×10^1
D		
daltons	grams	1.650×10^{-24}
darcy	sq. micrometer	0.9869
days	seconds	8.64×10^4
days	minutes	1.44×10^3
days	hours	2.4×10^1
decigrams	grams	1.0×10^{-1}
deciliters	liters	1.0×10^2
decimeters	meters	1.0×10^{-1}
degrees (angle)	quadrants	1.111×10^{-2}
degrees (angle)	radians	1.745×10^{-2}
degrees (angle)	seconds	3.6×10^3
degrees/sec.	radians/sec.	1.745×10^{-2}
degrees/sec.	revolutions/min.	1.667×10^{-1}
degrees/sec.	revolutions/sec.	2.778×10^{-3}
dekagrams	grams	1.0×10^1
dekaliters	liters	1.0×10^1
dekameters	meters	1.0×10^1
drams (apoth. or troy)	ounces (avdp.)	1.3714×10^{-1}
drams (apoth. or troy)	ounces (troy)	1.25×10^{-1}
drams (U.S. fluid or apoth.)	cubic cm.	3.6967
drams	grams	1.7718
drams	grains	2.7344×10^1
drams	ounces	6.25×10^{-2}
dyne/sq. cm.	erg./sq. millimeter	1.0×10^{-2}
dyne/sq. cm.	atmospheres	9.869×10^{-7}
dyne/sq. cm.	inch of mercury (@ 0°C)	2.953×10^{-5}
dyne/sq. cm.	inch of water (@ 4°C)	4.015×10^{-4}
dynes	grams	1.020×10^{-3}
dynes	joules/cm.	1.0×10^{-7}
dynes	joules/meter (newtons)	1.0×10^{-5}
dynes	kilograms	1.020×10^{-6}
dynes	poundals	7.233×10^{-5}
dynes	pounds	2.248×10^{-6}
dynes/sq. cm.	bar	1.0×10^{-6}

TO CONVERT . . .	INTO . . .	MULTIPLY BY ...
E		
ell	centimeters	1.1430×10^2
ell	inches	4.5×10^1
em, Pica	inches	1.67×10^{-1}
em, Pica	centimeters	4.233×10^{-1}
erg/sec.	dyne-cm./sec.	1.0
ergs	btu	9.486×10^{-11}
ergs	dyne-centimeters	1.0
ergs	foot-pounds	7.376×10^{-8}
ergs	gram-calories	2.389×10^{-8}
ergs	gram-cms.	1.020×10^{-3}
ergs	horsepower-hrs.	3.7250×10^{-14}
ergs	joules	1.0×10^{-7}
ergs	kg.-calories	2.389×10^{-11}
ergs	kg.-meters	1.020×10^{-8}
ergs	kilowatt-hrs.	2.773×10^{-14}
ergs	watt-hours	2.773×10^{-11}
ergs/sec.	btu/min.	5.668×10^{-9}
ergs/sec.	ft.-lbs./min.	4.427×10^{-6}
ergs/sec.	ft.-lbs./sec.	7.3756×10^{-8}
ergs/sec.	horsepower	1.341×10^{-10}
ergs/sec.	kg.-calories/min.	1.433×10^{-9}
ergs/sec.	kilowatts	1.0×10^{-10}
F		
farads	microfarads	1.0×10^6
faraday/sec.	ampere (absolute)	9.65×10^4
faradays	ampere-hours	2.680×10^1
faradays	coulombs	9.649×10^4
fathoms	meter	1.8288
fathoms	feet	6.0
feet	centimeters	3.048×10^1
feet	kilometers	3.048×10^{-4}
feet	meters	3.048×10^{-1}
feet	miles (naut.)	1.645×10^{-4}
feet	miles (stat.)	1.894×10^{-4}
feet	millimeters	3.048×10^2
feet	mils	1.2×10^4
feet of water	atmospheres	2.950×10^{-2}
feet of water	bar	2.986×10^{-2}
feet of water	in. of mercury	8.826×10^{-1}
feet of water	kgs./sq. cm.	3.048×10^{-2}
feet of water	kgs./sq. meter	3.048×10^2
feet of water	kilopascals (kPa)	2.9889
feet of water	pounds/sq. ft.	6.243×10^1
feet of water	pounds/sq. in.	4.335×10^{-1}
feet/min.	cms./sec.	5.080×10^{-1}
feet/min.	feet/sec.	1.667×10^{-2}
feet/min.	kms./hr.	1.829×10^{-2}
feet/min.	meters/min.	3.048×10^{-1}

TO CONVERT . . .	INTO . . .	MULTIPLY BY ...
feet/min.	miles/hr.	1.136×10^{-2}
feet/sec.	cms./sec.	3.048×10^1
feet/sec.	kms./hr.	1.097
feet/sec.	knots	5.921×10^{-1}
feet/sec.	meters/min.	1.829×10^1
feet/sec.	miles/hr.	6.818×10^{-1}
feet/sec.	miles/min.	1.136×10^{-2}
feet/sec./sec.	cms./sec./sec.	3.048×10^1
feet/sec./sec.	kms./hr./sec.	1.097
feet/sec./sec.	meters/sec./sec.	3.048×10^{-1}
feet/sec./sec.	miles/hr./sec.	6.818×10^{-1}
feet/100 feet	per cent grade	1.0
foot-candle	lumen/sq. meter	1.0764×10^1
foot-candle	lux	1.0764×10^1
foot-pounds	btu	1.286×10^{-3}
foot-pounds	ergs	1.356×10^7
foot-pounds	gram-calories	3.241×10^{-1}
foot-pounds	horsepower-hrs.	5.050×10^{-7}
foot-pounds	joules	1.356
foot-pounds	kg.-calories	3.241×10^{-4}
foot-pounds	kg.-meters	1.383×10^{-1}
foot-pounds	kilowatt-hrs.	3.766×10^{-7}
foot-pounds/min.	btu/min.	1.286×10^{-3}
foot-pounds/min.	foot-pounds/sec.	1.667×10^{-2}
foot-pounds/min.	horsepower	3.030×10^{-5}
foot-pounds/min.	kg.-calories/min.	3.241×10^{-4}
foot-pounds/min.	kilowatts	2.260×10^{-5}
foot-pounds/sec.	btu/hr.	4.6263
foot-pounds/sec.	btu/min.	7.717×10^{-2}
foot-pounds/sec.	horsepower	1.818×10^{-3}
foot-pounds/sec.	kg.-calories/min.	1.945×10^{-2}
foot-pounds/sec.	kilowatts	1.356×10^{-3}
furlongs	miles (U.S.)	1.25×10^{-1}
furlongs	rods	4.0×10^1
furlongs	feet	6.600×10^2
furlongs	meters	2.0117×10^2
G		
gallons	cu. cms.	3.785×10^3
gallons	cu. feet	1.337×10^{-1}
gallons	cu. inches	2.31×10^2
gallons	cu. meters	3.785×10^{-3}
gallons	cu. yards	4.951×10^{-3}
gallons	liters	3.785
gallons (liq. Br. imp.)	gallons (U.S. liq.)	1.20095
gallons (U.S.)	gallons (imp.)	8.3267×10^{-1}
gallons of water	pounds of water	8.337
gallons/min.	cu. ft./sec.	2.228×10^{-3}
gallons/min.	liters/sec.	6.308×10^{-2}
gallons/min.	cu. ft./hr.	8.0208

TO CONVERT . . .	INTO . . .	MULTIPLY BY ...
gausses	lines/sq. in.	6.452
gausses	webers/sq. cm.	1.0×10^{-8}
gausses	webers/sq. in.	6.452×10^{-8}
gausses	webers/sq. meter	1.0×10^{-4}
gausses	gilbert/centimeter	1.0
gilberts	amp.-turns/cm.	7.958×10^{-1}
gilberts/cm.	ampere-turns	7.958×10^{-1}
gilberts/cm.	amp.-turns/cm.	7.958×10^{-1}
gilberts/cm.	amp.-turns/in.	2.021
gilberts/cm.	amp.-turns/meter	7.958×10^1
gills (British)	cubic cm.	1.4207×10^2
gills (U.S.)	cubic cm.	1.18295×10^2
gills (U.S.)	liters	1.183×10^{-1}
gills (U.S.)	pints (liq.)	2.5×10^{-1}
grade	radians	1.571×10^{-2}
grains	drams (avoirdupois)	3.657×10^{-2}
grains (troy)	grains (avdp.)	1.0
grains (troy)	grams	6.48×10^{-2}
grains (troy)	ounces (avdp.)	2.0833×10^{-3}
grains (troy)	pennyweight (troy)	4.167×10^{-2}
grains/U.S. gallons	parts/million	1.7118×10^1
grains/U.S. gallons	pounds/million gallons	1.4286×10^2
grains/Imp. gallons	parts/million	1.4286×10^1
grams	dynes	9.807×10^2
grams	grains (troy)	1.543×10^1
grams	joules/cm.	9.807×10^{-5}
grams	joules/meter (newtons)	9.807×10^{-3}
grams	kilograms	1.0×10^{-3}
grams	milligram	1.0×10^3
grams	ounces (avdp.)	3.527×10^{-2}
grams	ounces (troy)	3.215×10^{-2}
grams	poundals	7.093×10^{-2}
grams	pounds	2.205×10^{-3}
grams/cm.	pounds/inch.	5.6×10^{-3}
grams/cu. cm.	pounds/cu. ft.	6.243×10^1
grams/cu. cm.	pounds/cu. in.	3.613×10^{-2}
grams/cu. cm.	pounds/mil-foot	3.405×10^{-7}
grams/liter	grains/gallons	5.8417×10^1
grams/liter	pounds/1,000 gal.	8.345
grams/liter	pounds/cu. ft.	6.2427×10^{-2}
grams/sq. cm.	pounds/sq. ft.	2.0481
gram-calories	btu	3.9683×10^{-3}
gram-calories	ergs	4.184×10^7
gram-calories	foot-pounds	3.086
gram-calories	horsepower-hrs.	1.5596×10^{-6}
gram-calories	kilowatt-hrs.	1.162×10^{-6}
gram-calories	watt-hrs.	1.162×10^{-3}
gram-calories/sec.	btu/hrs.	1.4286×10^1
gram-centimeters	btu	9.297×10^{-8}
gram-centimeters	ergs	9.807×10^2

TO CONVERT . . .	INTO . . .	MULTIPLY BY ...
gram-centimeters	joules	9.807×10^{-5}
gram-centimeters	kg.-calories	2.343×10^{-8}
gram-centimeters	kg.-meters	1.0×10^{-5}
H		
hand	cm.	1.016×10^1
hectares	acres	2.471
hectares	sq. feet	1.076×10^5
hectograms	grams	1.0×10^2
hectoliters	liters	1.0×10^2
hectometers	meters	1.0×10^2
hectowatts	watts	1.0×10^2
henries	millihenries	1.0×10^3
hogsheads (British)	cubic ft.	1.0114×10^1
hogsheads (U.S.)	cubic ft.	8.42184
hogsheads (U.S.)	gallons (U.S.)	6.3×10^1
horsepower	btu/min.	4.244×10^1
horsepower	foot-lbs./min.	3.3×10^4
horsepower	foot-lbs./sec.	5.50×10^2
horsepower (metric)	horsepower	9.863×10^{-1}
horsepower	horsepower (metric)	1.014
horsepower	kg.-calories/min.	1.068×10^1
horsepower	kilowatts	7.457×10^{-1}
horsepower	watts	7.457×10^2
horsepower (boiler)	btu/hr.	3.352×10^4
horsepower (boiler)	kilowatts	9.803
horsepower-hrs.	btu	2.547×10^3
horsepower-hrs.	ergs	2.6845×10^{13}
horsepower-hrs.	foot-lbs.	1.98×10^6
horsepower-hrs.	gram-calories	6.41190×10^5
horsepower-hrs.	joules	2.684×10^6
horsepower-hrs.	kg.-calories	6.417×10^2
horsepower-hrs.	kg.-meters	2.737×10^5
horsepower-hrs.	kilowatt-hrs.	7.457×10^{-1}
hours	days	4.167×10^{-2}
hours	weeks	5.952×10^{-3}
hours	seconds	3.6×10^3
hundredweights (long)	pounds	1.12×10^2
hundredweights (long)	tons (long)	5.0×10^{-2}
hundredweights (long)	kilograms	5.08023×10^1
hundredweights (short)	tons (metric)	4.53592×10^{-2}
hundredweights (short)	tons(long)	4.46429×10^{-2}
hundredweights (short)	kilograms	4.53592×10^1
I		
inches	centimeters	2.540
inches	meters	2.540×10^{-2}
inches	miles	1.578×10^{-5}
inches	millimeters	2.540×10^1
inches	mils	1.0×10^3
inches	yards	2.778×10^{-2}
inches	angstrom units	2.54×10^8

TO CONVERT . . .

inches
 inches of mercury
 inches of mercury
 inches of mercury
 inches of mercury
 inches of mercury
 inches of mercury
 inches of water (at 4°C)
 inches of water (at 4°C)
 inches of water (at 4°C)
 inches of water (at 60°F)
 inches of water (at 4°C)
 inches of water (at 4°C)
 international ampere
 international volt
 international coulomb

J

joules
 joules
 joules
 joules
 joules
 joules
 joules/cm.
 joules/cm.
 joules/cm.
 joules/cm.
 joules/cm.

K

kilograms
 kilograms
 kilograms
 kilograms
 kilograms
 kilograms
 kilograms
 kilograms
 kilograms
 kilograms/cu. meter
 kilograms/cu. meter
 kilograms/cu. meter
 kilograms/cu. meter
 kilograms/meter
 kilograms/sq. cm.
 kilograms/sq. cm.
 kilograms/sq. cm.
 kilograms/sq. cm.
 kilograms/sq. cm.

INTO . . .

rods
 atmospheres
 feet of water
 kgs./sq. cm.
 kgs./sq meter
 kilopascals (kPa)
 pounds/sq. ft.
 pounds/sq. in.
 atmospheres
 inches of mercury
 kgs./sq. cm.
 kilopascals (kPa)
 ounces/sq. in.
 pounds/sq. ft.
 pounds/sq. in.
 absolute ampere (U.S.)
 absolute volts (U.S.)
 absolute coulomb

btu
 ergs
 foot-pounds
 kg.-calories
 kg.-meters
 watt-hrs.
 grams
 dynes
 joules/meter (newtons)
 poundals
 pounds

dynes
 grams
 joules/cm.
 joules/meter (newtons)
 ounces (avdp.)
 poundals
 pounds
 tons (long)
 tons (short)
 grams/cu. cm.
 pounds/cu. ft.
 pounds/cu. in.
 pounds/mil-foot
 pounds/ft.
 dynes/sq. cm.
 atmospheres
 feet of water
 inches of water
 inches of mercury

MULTIPLY BY ...

5.0505×10^{-3}
 3.342×10^{-2}
 1.133
 3.453×10^{-2}
 3.453×10^2
 3.38638
 7.073×10^1
 4.912×10^{-1}
 2.458×10^{-3}
 7.355×10^{-2}
 2.540×10^{-3}
 2.488×10^{-1}
 5.781×10^{-1}
 5.204
 3.613×10^{-2}
 9.998×10^{-1}
 1.0003
 9.99835×10^{-1}

9.486×10^{-4}
 1.0×10^7
 7.736×10^{-1}
 2.389×10^{-4}
 1.020×10^{-1}
 2.778×10^{-4}
 1.020×10^4
 1.0×10^7
 1.0×10^2
 7.233×10^2
 2.248×10^1

9.80665×10^5
 1.0×10^3
 9.807×10^{-2}
 9.807
 3.5274×10^1
 7.093×10^1
 2.2046
 9.842×10^{-4}
 1.102×10^{-3}
 1.0×10^{-3}
 6.243×10^{-2}
 3.613×10^{-5}
 3.405×10^{-10}
 6.72×10^{-1}
 9.80665×10^5
 9.678×10^{-1}
 3.281×10^1
 2.540×10^{-3}
 2.896×10^1

TO CONVERT . . .

kilograms/sq. cm.
 kilograms/sq. cm.
 kilograms/sq. cm.
 kilograms/sq. meter
 kilograms/sq. meter
 kilograms/sq. meter
 kilograms/sq. meter
 kilograms/sq. meter
 kilograms/sq. meter
 kilograms/sq. mm.
 kilogram-calories
 kilogram-calories
 kilogram-calories
 kilogram-calories
 kilogram-calories
 kilogram-calories
 kilogram-calories/min.
 kilogram-calories/min.
 kilogram-calories/min.
 kilogram meters
 kilogram meters
 kilogram meters
 kilogram meters
 kilogram meters
 kilogram meters
 kilolines
 kiloliters
 kiloliters
 kiloliters
 kiloliters
 kiloliters
 kilometers
 kilometers
 kilometers
 kilometers
 kilometers
 kilometers
 kilometers
 kilometers
 kilometers
 kilometers
 kilometers/hr.
 kilometers/hr.
 kilometers/hr.
 kilometers/hr.
 kilometers/hr.
 kilometers/hr.
 kilometers/hr.
 kilometers/hr./sec.
 kilometers/hr./sec.
 kilometers/hr./sec.
 kilometers/hr./sec.

INTO . . .

kilopascals (kPa)
 pounds/sq. ft.
 pounds/sq. in.
 atmospheres
 bar
 feet of water
 inches of mercury
 pounds/sq. ft.
 pounds/sq. in.
 dynes/sq. cm.
 kgs./sq. meter
 btu
 foot-pounds
 horsepower-hrs.
 joules
 kg.-meters
 kilojoules
 kilowatt-hrs.
 ft.-lbs./sec.
 horsepower
 kilowatts
 btu
 ergs
 foot-pounds
 joules
 kg.-calories
 kilowatt-hrs.
 maxwells
 liters
 cubic yards
 cubic feet
 gallons (U.S. liq.)
 centimeters
 feet
 inches
 meters
 miles (statute)
 miles (nautical)
 millimeters
 yards
 cms./sec.
 feet/min.
 feet/sec.
 knots
 meters/min.
 miles/hr.
 cms./sec./sec.
 ft./sec./sec.
 meters/sec./sec.
 miles/hr./sec.

MULTIPLY BY ...

9.8066×10^1
 2.048×10^3
 1.422×10^1
 9.678×10^{-5}
 9.807×10^{-5}
 3.281×10^{-3}
 2.896×10^{-3}
 2.048×10^{-1}
 1.422×10^{-3}
 9.80665×10^1
 1.0×10^6
 3.968
 3.086×10^3
 1.558×10^{-3}
 4.183×10^3
 4.269×10^2
 4.186
 1.163×10^{-3}
 5.143×10^1
 9.351×10^{-2}
 6.972×10^{-2}
 9.296×10^{-3}
 9.807×10^7
 7.233
 9.807
 2.342×10^{-3}
 2.723×10^{-6}
 1.0×10^3
 1.0×10^3
 1.308
 3.5316×10^1
 2.6418×10^2
 1.0×10^5
 3.281×10^3
 3.937×10^4
 1.0×10^3
 6.214×10^{-1}
 5.396×10^{-1}
 1.0×10^6
 1.0936×10^3
 2.778×10^1
 5.468×10^1
 9.113×10^{-1}
 5.396×10^{-1}
 1.667×10^1
 6.214×10^{-1}
 2.778×10^{-1}
 9.113×10^{-1}
 2.778×10^{-1}
 6.214×10^{-1}

TO CONVERT . . .	INTO . . .	MULTIPLY BY ...
kilopascals (kPa)	atmosphere	98.692×10^{-4}
kilopascals (kPa)	bar	1.0000×10^{-2}
kilopascals (kPa)	feet of water	334.5623×10^{-3}
kilopascals (kPa)	inches of mercury	295.301×10^{-3}
kilopascals (kPa)	kg./sq. cm.	101.971×10^{-4}
kilopascals (kPa)	pounds/sq. inch	1.4503×10^{-1}
kilowatts	btu/min.	5.692×10^1
kilowatts	foot-lbs./min.	4.426×10^4
kilowatts	foot-lbs./sec.	7.376×10^2
kilowatts	horsepower	1.341
kilowatts	kg.-calories/min.	1.434×10^1
kilowatts	watts	1.0×10^3
kilowatt-hrs.	btu	3.413×10^3
kilowatt-hrs.	ergs	3.6×10^{13}
kilowatt-hrs.	foot-lbs.	2.655×10^6
kilowatt-hrs.	gram-calories	8.5985×10^5
kilowatt-hrs.	horsepower-hrs.	1.341
kilowatt-hrs.	joules	3.6×10^6
kilowatt-hrs.	kg.-calories	8.605×10^2
kilowatt-hrs.	kg.-meters	3.671×10^5
kilowatt-hrs.	pounds water evaporated from and at 212°F	3.53
kilowatt-hrs.	pounds of water raised from 62 to 212°F.	2.275×10^1
knots	feet/hr.	6.076×10^3
knots	kilometers/hr.	1.852
knots	nautical miles/hr.	1.0
knots	statute miles/hr.	1.151
knots	yards/hr	2.027×10^3
knots	feet/sec.	1.688
knots	cm./sec.	5.144×10^1
L		
lambert	candle/sq. cm.	3.183×10^{-1}
lambert	candle/sq. in.	2.054
league	miles (approx.)	3.0
light year	miles	5.9×10^{12}
light year	kilometers	9.46091×10^{12}
lines/sq. cm.	gausses	1.0
lines/sq. in.	gausses	1.55×10^{-1}
lines/sq. in.	webers/sq. cm.	1.550×10^{-9}
lines/sq. in.	webers/sq. in.	1.0×10^{-8}
lines/sq. in.	webers/sq. meter	1.550×10^{-5}
links (engineers)	inches	1.20×10^1
links (surveyors)	inches	7.92
liters	bushels (U.S. dry)	2.838×10^{-2}
liters	cu. cm.	1.0×10^3
liters	cu. feet	3.531×10^{-2}
liters	cu. inches	6.102×10^1
liters	cu. meters	1.0×10^{-3}

TO CONVERT . . .	INTO . . .	MULTIPLY BY ...
meters/sec./sec.	miles/hr./sec.	2.237
meter-kilograms	cm.-dynes	9.807×10^7
meter-kilograms	cm.-grams	1.0×10^5
meter-kilograms	pound-feet	7.233
microfarads	abfarads	1.0×10^{-15}
microfarads	farads	1.0×10^{-6}
microfarads	statfarads	9.0×10^5
micrograms	grams	1.0×10^{-6}
microhms	abohms	1.0×10^3
microhms	megohms	1.0×10^{-12}
microhms	ohms	1.0×10^{-6}
microliters	liters	1.0×10^{-6}
microns	meters	1.0×10^{-6}
micromicrons	meters	1.0×10^{-12}
miles (naut.)	feet	6.076×10^3
miles (naut.)	kilometers	1.852
miles (naut.)	meters	1.852×10^3
miles (naut.)	miles (statute)	1.1516
miles (naut.)	yards	2.0254×10^3
miles (statute)	centimeters	1.609×10^5
miles (statute)	feet	5.280×10^3
miles (statute)	inches	6.336×10^4
miles (statute)	kilometers	1.609
miles (statute)	meters	1.609×10^3
miles (statute)	miles (nautical)	8.684×10^{-1}
miles (statute)	yards	1.760×10^3
miles (statute)	light years	1.69×10^{-13}
miles/hr.	cms./sec.	4.470×10^1
miles/hr.	feet/min.	8.8×10^1
miles/hr.	feet/sec.	1.467
miles/hr.	kms./hr.	1.6093
miles/hr.	kms/min.	2.682×10^{-2}
miles/hr.	knots	8.684×10^{-1}
miles/hr.	meters/min.	2.682×10^1
miles/hr.	miles/min.	1.667×10^{-2}
miles/hr./sec.	cms./sec./sec.	4.470×10^1
miles/hr./sec.	feet/sec./sec.	1.467
miles/hr./sec.	kms./hr./sec.	1.6093
miles/hr./sec.	meters/sec./sec.	4.47×10^{-1}
miles/min.	cms./sec.	2.682×10^3
miles/min.	feet/sec.	8.8×10^1
miles/min.	kms./min.	1.6093
miles/min.	knots/min.	8.684×10^{-1}
miles/min.	miles/hr.	6.0×10^1
millibar	inches of water	4.01×10^{-1}
millibar	pounds/sq. in.	1.45×10^{-2}
milliers	kilograms	1.0×10^3
millimicrons	meters	1.0×10^{-9}
milligrams	grains	1.5432×10^{-2}
milligrams	grams	1.0×10^{-3}

TO CONVERT . . .	INTO . . .	MULTIPLY BY ...
milligrams/liter	parts/million	1.0
millihenries	henries	1.0×10^{-3}
milliliters	liters	1.0×10^{-3}
millimeters	centimeters	1.0×10^{-1}
millimeters	feet	3.281×10^{-3}
millimeters	inches	3.937×10^{-2}
millimeters	kilometers	1.0×10^{-6}
millimeters	meters	1.0×10^{-3}
millimeters	miles	6.214×10^{-7}
millimeters	mils	3.937×10^1
millimeters	yards	1.094×10^{-3}
mm. of mercury	pounds/sq. in.	1.93×10^{-2}
million gals./day	cu. ft./sec.	1.54723
mils	centimeters	2.54×10^{-3}
mils	feet	8.333×10^{-5}
mils	inches	1.0×10^{-3}
mils	kilometers	2.54×10^{-8}
mils	yards	2.778×10^{-5}
miner's inches	cu. ft./min.	1.5
minims (British)	cubic cm.	5.9192×10^{-2}
minims (U.S. fluid)	cubic cm.	6.1612×10^{-2}
minutes (angles)	degrees	1.667×10^{-2}
minutes (angles)	quadrants	1.852×10^{-4}
minutes (angles)	radians	2.909×10^{-4}
minutes (angles)	seconds	6.0×10^1
minutes (time)	weeks	9.9206×10^{-5}
minutes (time)	days	6.944×10^{-4}
minutes (time)	hours	1.667×10^{-2}
minutes (time)	seconds	6.0×10^{-1}
myriagrams	kilograms	1.0×10^1
myriameters	kilometers	1.0×10^1
myriawatts	kilowatts	1.0×10^1
N		
nails	inches	2.25
newtons	dynes	1.0×10^5
newtons	pounds force	2.248×10^{-1}
O		
ohm (international)	ohm (absolute)	1.0005
ohms	megohms	1.0×10^{-6}
ohms	microhms	1.0×10^6
ounces	drams (avdp.)	16
ounces	grains	4.375×10^2
ounces	grams	2.8349×10^1
ounces	pounds	6.25×10^{-2}
ounces	ounces (troy)	9.115×10^{-1}
ounces	tons (long)	2.790×10^{-5}
ounces	tons (short)	3.125×10^{-5}
ounces (fluid)	cu. inches	1.805
ounces (fluid)	liters	2.957×10^{-2}

TO CONVERT . . .

ounces (troy)
 ounces (troy)
 ounces (troy)
 ounces (troy)
 ounces (troy)
 ounce/sq. inch
 ounces/sq in.

P

pace
 parsec
 parsec
 parts/million
 parts/million
 parts/million
 pecks (British)
 pecks (British)
 pecks (U.S.)
 pecks (U.S.)
 pecks (U.S.)
 pecks (U.S.)
 pennyweights (troy)
 pennyweights (troy)
 pennyweights (troy)
 pennyweights (troy)
 pints (dry)
 pints (dry)
 pints (dry)
 pints (dry)
 pints (liq.)
 pints (liq.)
 pints (liq.)
 pints (liq.)
 pints (liq.)
 pints (liq.)
 pints (liq.)
 pints (liq.)
 pints (liq.)
 planck's quantum
 poise
 pounds (avoirdupois)
 poundals
 poundals
 poundals
 poundals
 poundals
 pounds
 pounds
 pounds
 pounds

INTO . . .

grains
 grams
 ounces (avdp.)
 pennyweights (troy)
 pounds (troy)
 dynes/sq. cm.
 pounds/sq. in.

 inches
 miles
 kilometers
 grains/U.S. gal.
 grains/lmp. gal.
 pounds/million gal.
 cubic inches
 liters
 bushels
 cubic inches
 liters
 quarts (dry)
 grains
 ounces (troy)
 grams
 pounds (troy)
 cu. inches
 bushels
 quarts
 liters
 cu. cms.
 cu. feet
 cu. inches
 cu. meters
 cu. yards
 gallons
 liters
 quarts (liq.)
 erg-second
 gram/cm. sec.
 ounces (troy)
 dynes
 grams
 joules/cm.
 joules/meter (newtons)
 kilograms
 pounds
 drams
 dynes
 grains
 grams

MULTIPLY BY...

4.80×10^2
 3.1103×10^1
 1.097
 2.0×10^1
 8.333×10^{-2}
 4.309×10^3
 6.25×10^{-2}

 3.0×10^1
 1.9×10^{13}
 3.084×10^{13}
 5.84×10^{-2}
 7.016×10^{-2}
 8.345
 5.546×10^2
 9.0919
 2.5×10^{-1}
 5.376×10^2
 8.8096
 8
 2.4×10^1
 5.0×10^{-2}
 1.555
 4.1667×10^{-3}
 3.36×10^1
 1.5625×10^{-2}
 5.0×10^{-1}
 5.5059×10^{-1}
 4.732×10^{-2}
 1.671×10^{-2}
 2.887×10^1
 4.732×10^{-4}
 6.189×10^{-4}
 1.25×10^{-1}
 4.732×10^{-1}
 5.0×10^{-1}
 6.624×10^{-27}
 1.0
 1.4583×10^1
 1.3826×10^4
 1.41×10^1
 1.383×10^{-3}
 1.383×10^{-1}
 1.410×10^{-2}
 3.108×10^{-2}
 2.56×10^2
 4.448×10^5
 7.0×10^3
 4.5359×10^2

TO CONVERT . . .	INTO . . .	MULTIPLY BY...
pounds	joules/cm.	4.448×10^{-2}
pounds	joules/meter (newtons)	4.448
pounds	kilograms	4.536×10^{-1}
pounds	ounces	1.6×10^1
pounds	ounces (troy)	1.458×10^1
pounds	poundals	3.217×10^1
pounds	pounds (troy)	1.21528
pounds	tons (short)	5.0×10^{-4}
pounds (troy)	grains	5.760×10^3
pounds (troy)	grams	3.7324×10^2
pounds (troy)	ounces (avdp.)	1.3166×10^1
pounds (troy)	ounces (troy)	1.2×10^1
pounds (troy)	pennyweights (troy)	2.4×10^2
pounds (troy)	pounds (avdp.)	8.2286×10^{-1}
pounds (troy)	tons (long)	3.6735×10^{-4}
pounds (troy)	tons (metric)	3.7324×10^{-4}
pounds (troy)	tons (short)	4.1143×10^{-4}
pounds of water	cu. feet	1.602×10^{-2}
pounds of water	cu. inches	2.768×10^1
pounds of water	gallons	1.198×10^{-1}
pounds of water/min.	cu. ft./sec.	2.670×10^{-4}
pound-feet	cm.-dynes	1.356×10^7
pound-feet	cm.-grams	1.3825×10^4
pound-feet	meter-kgs.	1.383×10^{-1}
pounds/cu. ft.	grams/cu. cm.	1.602×10^{-2}
pounds/cu. ft.	kgs./cu. meter	1.602×10^1
pounds/cu. ft.	pounds/cu. in.	5.787×10^{-4}
pounds/cu. ft.	pounds/mil-foot	5.456×10^{-9}
pounds/cu. in.	gms./cu. cm.	2.768×10^1
pounds/cu. in.	kgs./cu. meter	2.768×10^4
pounds/cu. in.	pounds/cu. ft.	1.728×10^3
pounds/cu. in.	pounds/mil-foot	9.425×10^{-6}
pounds/ft.	kgs./meter	1.488
pounds/in.	gms./cm.	1.786×10^2
pounds/mil-foot	gms./cu. cm.	2.306×10^6
pounds/sq. ft.	atmospheres	4.725×10^{-4}
pounds/sq. ft.	feet of water	1.602×10^{-2}
pounds/sq. ft.	inches of mercury	1.414×10^{-2}
pounds/sq. ft.	kgs./sq. meter	4.882
pounds/sq. ft.	pounds/sq. in.	6.944×10^{-3}
pounds/sq. in.	atmospheres	6.804×10^{-2}
pounds/sq. in.	bar	6.895×10^{-2}
pounds/sq. in.	feet of water	2.307
pounds/sq. in.	inches of mercury	2.036
pounds/sq. in.	kgs./sq. meter	7.031×10^2
pounds/sq. in.	pounds/sq. ft.	1.44×10^2
pounds/sq. in.	short tons/sq. ft.	7.2×10^{-2}
pounds/sq. in.	kgs./sq. cm.	7.03×10^{-2}
pounds/sq. in.	kilopascals (kPa)	6.895

TO CONVERT . . .	INTO . . .	MULTIPLY BY ...
Q		
quadrants (angle)	degrees	9.0×10^1
quadrants (angle)	minutes	5.4×10^3
quadrants (angle)	radians	1.571
quadrants (angle)	seconds	3.24×10^5
quarts (dry)	cu. inches	6.72×10^1
quarts (liq.)	cu. cms.	9.464×10^2
quarts (liq.)	cu. feet	3.342×10^{-2}
quarts (liq.)	cu. inches	5.775×10^1
quarts (liq.)	cu. meters	9.464×10^{-4}
quarts (liq.)	cu. yards	1.238×10^{-3}
quarts (liq.)	gallons	2.5×10^{-1}
quarts (liq.)	liters	9.463×10^{-1}
R		
radians	degrees	5.7296×10^1
radians	minutes	3.438×10^3
radians	quadrants	6.366×10^{-1}
radians	seconds	2.063×10^5
radians/sec.	degrees/sec.	5.730×10^1
radians/sec.	revolutions/min.	9.549
radians/sec.	revolutions/sec.	1.592×10^{-1}
radians/sec./sec.	revs./min./min.	5.7296×10^2
radians/sec./sec.	revs./min./sec.	9.549
radians/sec./sec.	revs./sec./sec.	1.592×10^{-1}
reams	sheets	5.0×10^2
revolutions	degrees	3.60×10^2
revolutions	quadrants	4.0
revolutions	radians	6.283
revolutions/min.	degrees/sec.	6.0
revolutions/min.	radians/sec.	1.047×10^{-1}
revolutions/min.	revs./sec.	1.667×10^{-2}
revolutions/min./min.	radians/sec./sec.	1.745×10^{-3}
revolutions/min./min.	revs./min./sec.	1.667×10^{-2}
revolutions/min./min.	revs./sec./sec.	2.778×10^{-4}
revolutions/sec.	degrees/sec.	3.60×10^2
revolutions/sec.	radians/sec.	6.283
revolutions/sec.	revs./min.	6.0×10^1
revolutions/sec./sec.	radians/sec./sec.	6.283
revolutions/sec./sec.	revs./min./min.	3.6×10^3
revolutions/sec./sec.	revs./min./sec.	6.0×10^1
rods	chain (gunters)	2.5×10^{-1}
rods	meters	5.029
rods (surveyors' meas.)	yards	5.5
rods	feet	1.65×10^1
rods	inches	1.98×10^2
rods	miles	3.125×10^{-3}
rope	feet	2.0×10^1
S		
scruples	grains	2.0×10^1
seconds (angle)	degrees	2.778×10^{-4}

TO CONVERT . . .	INTO . . .	MULTIPLY BY...
seconds (angle)	minutes	1.667×10^{-2}
seconds (angle)	quadrants	3.087×10^{-6}
seconds (angle)	radians	4.848×10^{-6}
slug	kilogram	1.459×10^1
slug	pounds	3.217×10^1
sphere (solid angle)	steradians	1.257×10^1
square centimeters	circular mils	1.973×10^5
square centimeters	sq. feet	1.076×10^{-3}
square centimeters	sq. inches	1.550×10^{-1}
square centimeters	sq. meters	1.0×10^{-4}
square centimeters	sq. miles	3.861×10^{-11}
square centimeters	sq. millimeters	1.0×10^2
square centimeters	sq. yards	1.196×10^{-4}
square degrees	steradians	3.0462×10^{-4}
square feet	acres	2.296×10^{-5}
square feet	circular mils	1.833×10^8
square feet	sq. cms.	9.29×10^2
square feet	sq. inches	1.44×10^2
square feet	sq. meters	9.29×10^{-2}
square feet	sq. miles	3.587×10^{-8}
square feet	sq. millimeters	9.29×10^4
square feet	sq. yards	1.111×10^{-1}
square inches	circular mils	1.273×10^6
square inches	sq. cms.	6.452
square inches	sq. feet	6.944×10^{-3}
square inches	sq. millimeters	6.452×10^2
square inches	sq. mils	1.0×10^6
square inches	sq yards	7.716×10^{-4}
square kilometers	acres	2.471×10^2
square kilometers	sq. cms.	1.0×10^{10}
square kilometers	sq. ft.	1.076×10^7
square kilometers	sq. inches	1.550×10^9
square kilometers	sq. meters	1.0×10^6
square kilometers	sq. miles	3.861×10^{-1}
square kilometers	sq. yards	1.196×10^6
square meters	acres	2.471×10^{-4}
square meters	sq. cms.	1.0×10^4
square meters	sq. feet	1.076×10^1
square meters	sq. inches	1.55×10^3
square meters	sq. miles	3.861×10^{-7}
square meters	sq. millimeters	1.0×10^6
square meters	sq. yards	1.196
square miles	acres	6.40×10^2
square miles	sq. feet	2.788×10^7
square miles	sq. kms.	2.590
square miles	sq. meters	2.590×10^6
square miles	sq. yards	3.098×10^6
square millimeters	circular mils	1.973×10^3
square millimeters	sq. cms.	1.0×10^{-2}
square millimeters	sq. feet	1.076×10^{-5}

TO CONVERT . . .	INTO . . .	MULTIPLY BY...
square millimeters	sq. inches	1.55×10^{-3}
square mils	circular mils	1.273
square mils	sq. cms.	6.452×10^{-6}
square mils	sq. inches	1.0×10^{-6}
square yards	acres	2.066×10^{-4}
square yards	sq. cms.	8.361×10^3
square yards	sq. feet	9.0
square yards	sq. inches	1.296×10^3
square yards	sq. meters	8.361×10^{-1}
square yards	sq. miles	3.228×10^{-7}
square yards	sq. millimeters	8.361×10^5
steradians	spheres	7.958×10^{-2}
steradians	hemispheres	1.592×10^{-1}
steradians	spherical right angle	6.366×10^{-1}
steradians	square degrees	3.283×10^3
steres	liters	9.99973×10^2
T		
temperature (°C) +273	absolute temperature (°K)	1.0
temperature (°C) +17.78	temperature (°F)	1.8
temperature (°F) +460	absolute temperature(°R)	1.0
temperature (°F) -32	temperature (°C)	5/9
tons (long)	kilograms	1.016×10^3
tons (long)	pounds	2.24×10^3
tons (long)	tons (short)	1.12
tons (metric)	kilograms	1.0×10^3
tons (metric)	pounds	2.205×10^3
tons (short)	kilograms	9.0718×10^2
tons (short)	ounces	3.2×10^4
tons (short)	ounces (troy)	2.9166×10^4
tons (short)	pounds	2.0×10^3
tons (short)	pounds (troy)	2.43×10^3
tons (short)	tons (long)	8.9287×10^{-1}
tons (short)	tons (metric)	9.078×10^{-1}
tons (short)/sq. ft.	kgs./sq. meter	9.765×10^3
tons (short)/sq. ft.	pounds/sq. in.	1.389×10^1
tons (short)/sq. in.	kgs./sq. meter	1.406×10^6
tons (short)/sq. in.	pounds/sq. in.	2.0×10^3
tons force U.S./sq. ft.	megapascal (MPa)	0.09576
tons force U.S./sq. in.	megapascal (MPa)	13.7895
tons force U.S.-mile	megajoule	14.3174
tons mass U.S./day	kilogram/second	0.01050
tons mass U.S./hour	kilogram/second	0.25120
tons mass U.S./minute	kilogram/second	15.1197
tons of water/24 hrs.	pounds of water/hr.	8.333×10^1
tons of water/24 hrs.	gallons/min.	1.6643×10^{-1}
tons of water/24 hrs.	cu. ft./hr.	1.3349
torr (same as mm. Hg)	pounds/sq. in.	1.93×10^{-2}
V		
volt/inch	abvolts/cm.	3.937×10^7
volt/inch	volt/cm.	3.937×10^{-1}

TO CONVERT . . .	INTO . . .	MULTIPLY BY...
volt (absolute)	statvolts	3.336×10^{-3}
volts	abvolts	1.0×10^8
W		
watts	btu/hr.	3.4129
watts	btu/min.	5.688×10^{-2}
watts	ergs/sec.	1.0×10^7
Watts	foot-lbs./min.	4.427×10^1
watts	foot-lbs./sec.	7.378×10^{-1}
watts	horsepower	1.341×10^{-3}
watts	horsepower (metric)	1.36×10^{-3}
watts	kg.-calories/min.	1.433×10^{-2}
watts	kilowatts	1.0×10^{-3}
watts (abs.)	joules/sec.	1.0
watt-hours	btu	3.413
watt-hours	ergs	3.6×10^{10}
watt-hours	foot-pounds	2.656×10^3
watt-hours	gram-calories	8.605×10^2
watt-hours	horsepower-hrs.	1.341×10^{-3}
watt-hours	kilogram-calories	8.605×10^{-1}
watt-hours	kilogram-meters	3.672×10^2
watt-hours	kilowatt-hrs.	1.0×10^{-3}
watt (International)	watt (absolute)	1.000165
webers	maxwells	1.0×10^8
webers	kilolines	1.0×10^5
webers/sq. in.	gausses	1.55×10^7
webers/sq. in.	lines/sq. in.	1.0×10^8
webers/sq. in.	webers/sq. cm.	1.550×10^{-1}
webers/sq. in.	webers/sq. meter	1.550×10^3
webers/sq. meter	gausses	1.0×10^4
webers/sq. meter	lines/sq. in.	6.452×10^4
webers/sq. meter	webers/sq. cm.	1.0×10^{-4}
webers/sq. meter	webers/sq. in.	6.452×10^{-4}
weeks	hours	1.68×10^2
weeks	minutes	1.008×10^4
weeks	seconds	6.048×10^5
Y		
yards	centimeters	9.144×10^1
yards	kilometers	9.144×10^{-4}
yards	meters	9.144×10^{-1}
yards	miles (naut.)	4.934×10^{-4}
yards	miles (stat.)	5.682×10^{-4}
yards	millimeters	9.144×10^2
years	days (mean solar)	3.65256×10^2
years	hours (mean solar)	8.7661×10^3