WEIGHTS, VOLUMES, TEMPERATURES, & OTHER

Convert From	Into	Multiply By
pound/gal (US, liq)	gram/cu cm	0.11983
	pound/cu ft	7.48052
pound/inch	gram/cm	178.5797
	gram/ft	5443.11
	gram/inch	453.59237
	ounce/cm	6.2992
	ounce/inch	16
	pound/meter	39.37008
pound/circ mil foot	gram/cu cm	2.93693×10^{6}
pound/minute	kilogram/hr	27.2155
	kilogram/min	0.45359
pound–force/sq ft	atmosphere (std)	0.000473
	bar	0.000479
	cm of Hg @ 0°C	0.035913
	dyne/sq cm	478.803
	foot of water (39.2°F)	0.01602
	gram–force/sq cm	0.48824
	in of Hg @ 32°F	0.014139
	in of H_2O @ 39.2°F	0.19223
	kg–force/sq meter	4.88243
	mm of Hg @ 0°C	0.35913
	newton/sq meter	47.8803
pound–force/sq ft	pascal	47.8803
	pound–force/sq inch	0.00694
pound–force/sq in	atmosphere (std)	0.06805
	bar	0.06895
	cm of Hg @ 0°C	5.17149
	cm of H_2O @ 4°C	70.3069
	dyne/sq cm	68947.6
	foot of water (39.2°F)	2.3067
	gram–force/sq cm	70.307
	kg–force/sq cm	0.07031
	kilopascal	6.89476
	mm of Hg @ 0°C	51.715
	newton/sq meter	6.89476×10^{3}
	pascal	6.89476×10^{4}
	pound–force/sq foot	144
pound of water (4°C)	cu foot	0.01602
	cu inch	27.68
	gallon (US, liq)	0.1198
pound of water/min	cu ft/sec	2.67×10^{-4}
pound–force foot	cm dyne	1.356×10^{7}
	cm gram–force	13825
	joule	1.35582
	meter kg–force	0.1383
	newton meter	1.35582
ppm	see part/million	
prospecting dish	gallon	2
	cu yard	0.008929
puncheons (UK)	cu meter	0.31797
	gallon (UK)	70
	gallon (US)	84
quadrant	degree	90
	minute	5400
	radian	1.5708
quartern (UK, dry)	buckets (UK)	0.125
	bushel (UK)	0.0625
	cu cm	2273.045
	gallon (UK)	0.5
	liter	2.27305
	peck (UK)	0.25
quartern (UK, liq)	cu cm	142.065
	gallon (UK)	0.03125
	liter	0.142065
quarter (US,long)	kilogram	254.0117
	pound (avdp)	560
quarter (US,short)	kilogram	226.796
	pound (avdp)	500
quart (UK)	cu cm	1136.52
	cu inch	69.355
	gallon (UK)	0.25
	gallon (US, liq)	0.30024
	liter	1.1365
	quart (US, dry)	1.0321
	quart (US, liq)	1.2009
quart (US, dry)	bushel (US, dry)	0.03125
	cu cm	1101.2
	cu foot	0.03889
	cu inch	67.2006
	cu meter	0.0011
	gallon (US, dry)	0.25
	gallon (US, liq)	0.29091
	liter	1.10122
	peck (US)	0.125
	pint (US, dry)	2
quart (US, liq)	cu cm	946.353
	cu foot	0.0334
	cu inch	57.75
	cu meter	9.464×10^{-4}
	cu yard	1.238×10^{-3}
	dram (US, liq)	256
	fifth (US, liq)	1.25
	gallon (US, dry)	0.2148
	gallon (US, liq)	0.25
	gill (US)	8
	liter	0.94635
	magnum	0.6309
	ounce (US, liq)	32
	pint (US, liq)	2
	quart (UK)	0.83267
	quart (US, dry)	0.859367
	shot (US, liq)	32

Convert From	Into	Multiply By
quintals (metric)	gram	100000
	hundredweight (long)	1.9684
	kilogram	100
	pound (avdp)	220.462
quintal (US)	kilogram	45.36
	pound	100
quire	ream	0.05
	sheet	24 or 25
radian	circumference	0.15915
	degree	57.29578
	minute	3437.747
	quadrant	0.63662
	revolution	0.15915
	second	206265
radian/cm	degree/cm	57.29578
	degree/ft	1746.37
	degree/in	145.531
	minute/cm	3437.75
radian/sec	degree/sec	57.29578
	revolution/min	9.5493
	revolution/sec	0.15915
radian/(sec x sec)	revolution/(min x min)	572.96
	revolution/(min x sec)	9.549297
	revolution/(sec x sec)	0.15915
ream	quire	20
	sheet	480 or 500
register ton	cu foot	100
	cu meter	2.8317
rem	sievert	0.01
revolution	degree	360
	grade	400
	quadrant	4
	radian	6.2832
revolution/min	degree/sec	6
	radian/sec	0.1047
	revolution/sec	0.01667
revolution/(min x min)	radian/(sec x sec)	1.745×10^{-3}
	revolution/(min x sec)	0.01667
	revolution/(sec x sec)	2.778×10^{-4}
revolution/sec	degree/sec	360
	radian/sec	6.283
	revolution/min	60
revolution/(sec x sec)	radian/(sec x sec)	6.283
	revolution/(min x min)	3600
	revolution/(min x sec)	60
reyn (lbf definition)	centipoise	6.8948×10^{6}
rhe	poise^{-1}	1
	(pascal sec)$^{-1}$	10
rod (US Survey)	centimeter	502.92
	chain (Gunter)	0.25
	chain (Ramden)	0.165
	foot	16.500033
	foot (US Survey)	16.5
	furlong (US Survey)	0.025
	inch	198.0004
	link (Gunter)	25
	link (Ramden)	16.500033
	meter	5.0292
	mile (US statute)	0.003125
	perch (US Survey)	1
	yard (US Survey)	5.5
röntgen	coulomb/kg	2.58×10^{-4}
rope (UK)	foot	20
	meter	6.096
	yard	6.66667
score	unit	20
scruple (apoth)	dram (apoth or troy)	0.3333
	dram (avdp)	0.73143
	grain	20
	gram	1.29598
	ounce (apoth or troy)	0.041667
	ounce (avdp)	0.045714
	pennyweight (troy)	0.8333
	pound (apoth or troy)	0.00347
	pound (avdp)	0.002857
scruple (UK, liq)	minim (UK)	20
sea mile	degree of latitude	0.016667
seam (UK)	bushel (UK)	8
	cu foot	10.275
	liter	290.95
second (angle)	degree	0.000278
	minute	0.016667
	quadrant	3.086×10^{-6}
	radian	4.8481×10^{-6}
second (mean solar)	day (mean solar)	1.1574×10^{-5}
	day (sidereal)	1.1606×10^{-5}
	hour (mean solar)	0.0002778
	hour (sidereal)	0.0002785
	minute (mean solar)	0.0166667
	minute (sidereal)	0.016712
	second (sidereal)	1.002738
second (sidereal)	day (mean solar)	1.1542×10^{-5}
	day (sidereal)	1.1574×10^{-5}
	hour (mean solar)	0.000277
	hour (sidereal)	0.0002778
	minute (mean solar)	0.016621
	minute (sidereal)	0.0166667
	second (mean solar)	0.99726957
shot	fifth (US, liq)	0.03906
	jigger (US, liq)	0.6667
	ounce, (US, liq)	1
	pint (US, liq)	0.0625
	pony (US, liq)	1
	quart (US, liq)	0.03125