

Mensural Conversions

Appendix A

Multiply	By	To Obtain	Multiply	By	To Obtain
Acres	40.47	Ares	Feet	30.48	Centimeters
Acres	4,047	Centares	Feet	0.1667	Fathoms
Acres	10	Square chains	Feet	0.3048	Meters
Acres	43,560	Square Feet	Feet per Minute	0.01136	Miles per Hour
Acres	4,840	Square Yards	Feet per Second	0.5921	Knots
Ares	0.02471	Acres	Feet per Second	18.288	Meters per Minute
Ares	100	Centares	Feet per Second	0.6818	Miles per Hour
Ares	1,076	Square Feet	Furlongs	10	Chains
Ares	119.6	Square Yards	Furlongs	660	Feet
Barrels (U.S., dry)	3.281	Bushels	Furlongs	40	Rods
Barrels (U.S., liquid)	4.21	Cubic Feet	Furlongs	220	Yards
Barrels (U.S., liquid)	31.5	Gallons	Gallons (British)	4,546.1	Cubic Centimeters
Board Feet (1' x 1' x 1')	144	Cubic inches	Gallons (British)	0.1605	Cubic Feet
Cable lengths (U.S.)	120	Fathoms	Gallons (British)	277.274	Cubic Inches
Cable lengths (U.S.)	720	Feet	Gallons (British)	1.2009	Gallons (U.S.)
Cable lengths (U.S.)	240	Yards	Gallons (British)	4.546	Liters
Centares	10.76	Square feet	Gallons (British)	4	Quarts (British)
Centares	1.196	Square Yards	Gallons (U.S.)	0.03175	Barrels (liquid, U.S.)
Centimeters	0.3937	Inches	Gallons (U.S.)	3,785.4	Cubic Centimeters
Cubic Centimeters	0.06102	Cubic Inches	Gallons (U.S.)	0.13368	Cubic Feet
Chains	66	Feet	Gallons (U.S.)	231	Cubic Inches
Chains	100	Links	Gallons (U.S.)	0.8327	Gallons (British)
Chains	4	Rods	Gallons (U.S.)	3.785	Liters
Cubic Feet	1,728	Cubic Inches	Gallons (U.S.)	4	Quarts (U.S.)
Cubic Feet	0.02832	Cubic Meters	Grams	15.43	Grains
Cubic Feet	0.03704	Cubic Yards	Grams	0.001	Kilograms
Cubic Feet	6.229	Gallons (British)	Grams	1,000	Milligrams
Cubic Feet	7.481	Gallons (U.S.)	Grams	0.03527	Ounces (avoir-dupois)
Cubic Feet	28.316	Liters	Hands	10.16	Centimeters
Cubic Inches	16.39	Cubic Centimeters	Hands	4	Inches
Cubic Inches	0.0005787	Cubic Feet	Hectares	2.471	Acres
Cubic Inches	0.003606	Gallons (British)	Hectares	100	Ares
Cubic Inches	0.004329	Gallons (U.S.)	Hectoliters	0.1	Cubic Meters
Cubic Inches	0.01639	Liters	Hectoliters	26.417	Gallons (U.S.)
Cubic Meters	35.31	Cubic Feet	Hectoliters	100	Liters
Cubic Meters	1.308	Cubic Yards	Hogsheads	2	Barrels (Liquid, U.S.)
Cubic Yards	27	Cubic Feet	Hogsheads (U.S.)	63	Gallons (U.S.)
Cubic Yards	0.7646	Cubic Meters	Hundredweights	0.508	Quintals (metric)
Cubic Yards	764.6	Liters	Inches	72	Points
Degrees (C.) + 17.8	1.8	Degrees (F.)	Inches	6	Picas
Degrees (F.) - 32	0.5556	Degrees (C.)	Inches	6	Ems
Degrees	0.01745	Radians	Inches	12	Ens
Fathoms	0.00833	Cable Lengths (U.S.)	Inches	2.54	Centimeters
Fathoms	6	Feet			
Fathoms	1.8288	Meters			

Multiply	By	To Obtain	Multiply	By	To Obtain
Inches	0.0833	Feet	Miles, Nautical	6,076.1	Feet
Inches	1,000	Mils	Miles, Nautical	72,963	Inches
Inches	0.0277	Yards	Miles, Nautical	1.8532	Kilometers
Inches of Mercury	0.49131	Pounds per Square Inch	Miles, Nautical	1,853.2	Meters
Kilograms	1,000	Grams	Miles, Nautical	1.1508	Miles, Statute
Kilograms	2.2046	Pounds (Avoirdupois)	Miles, Nautical	1	Minutes of Latitude
Kiloliters	1	Cubic Meters	Miles, Nautical	2,026.8	Yards
Kiloliters	1.308	Cubic Yards	Miles per Hour (Statute)	88	Feet per Minute
Kiloliters	264.18	Gallons (U.S.)	Miles per Hour (Statute)	1.467	Feet per Second
Kiloliters	1,000	Liters	Miles per Hour (Statute)	0.8684	Knots
Kilometers	4.557	Cable Lengths	Miles, Statute	7.33	Cable Lengths
Kilometers	3,280.8	Feet	Miles, Statute	5,280	Feet
Kilometers	39,370	Inches	Miles, Statute	8	Furlongs
Kilometers	1,000	Meters	Miles, Statute	63,360	Inches
Kilometers	0.5396	Miles, Nautical	Miles, Statute	1.6093	Kilometers
Kilometers	0.62137	Miles, Statute	Miles, Statute	1,609.3	Meters
Kilometers	1,093.6	Yards	Miles, Statute	0.8689	Miles, Nautical
Knots	1.1516	Statute Miles per Hour	Miles, Statute	1,760	Yards
Knots	1.688	Feet per Second	Millier (See Tons - Metric)		
Leagues, Nautical	25.33	Cable Lengths	Milliradians	206.265	Seconds of Arc
Leagues, Nautical	5.5597	Kilometers	Mils	0.001	Inches
Leagues, Nautical	3	Miles, Nautical	Myriameters	10	Kilometers
Leagues, Statute	4.8280	Kilometers	Ounces (avoirdupois)	28.3495	Grams
Leagues, Statute	3	Miles, Statute	Pint (Liquid, U.S.)	4	Gills (U.S.)
Links	7.92	Inches	Pint (Liquid, Br.)	4	Gills (British)
Liters	1,000	Cubic Centimeters	Pint (Liquid, Br.)	0.56825	Liters
Liters	61.025	Cubic Inches	Pint (Liquid, U.S.)	0.4732	Liters
Liters	0.21998	Gallons (British)	Pounds (avoirdupois)	7,000	Grains
Liters	0.26418	Gallons (U.S.)	Pounds (avoirdupois)	453.59	Grams
Liters	0.8799	Quarts (British)	Pounds (avoirdupois)	0.4536	Kilograms
Liters	0.908	Quarts (U.S., dry)	Pounds (avoirdupois)	16	Ounces
Liters	1.0567	Quarts (Liquid, U.S.)	Pounds (avoirdupois)	1.2153	Pounds (troy)
Meters	100	Centimeters	Pounds (troy)	0.8229	Pounds (avoirdupois)
Meters	0.001	Kilometers	Pounds per Square Inch	2.03537	Inches of Mercury
Meters	1.0936	Yards	Quart (British)	1.1365	Liters
Meters	3.281	Feet	Quart (British)	2	Pints (British)
Meters	39.37	Inches	Quart (Liquid, U.S.)	0.9463	Liters
Meters	1,000	Millimeters	Quart (U.S.)	2	Pints (U.S.)
Meters	1.0936	Yards	Quintals (Metric)	1.97	Hundredweights
Meters per Minute	0.0547	Feet per Second	Quintals (Metric)	100	Kilograms
Meters per Second	2.237	Miles per Hour			
Microns	0.001	Millimeters			
Miles, Nautical	8.44	Cable Lengths			

Multiply	By	To Obtain	Multiply	By	To Obtain
Radians	57.30	Degrees	Square Miles, Statute	259	Hectares
Rods	16.3	Feet	Square Miles, Statute	2.59	Square Kilometers
Rods	25	Links	Square Yards	0.8362	Centares
Square Centimeters	0.1550	Square Inches	Square Yards	9	Square Feet
Square Feet	0.0929	Centares	Square Yards	1,296	Square Inches
Square Feet	929	Square Centimeters	Tons (Long)	1.016	Metric Tons
Square Feet	144	Square Inches	Tons (Long)	2,240	Pounds (Avoir- dupois)
Square Feet	0.1111	Square Yards	Tons (Metric)	1,000	Kilograms
Square Inches	6.452	Square Centimeters	(Millier)		
Square Inches	0.006944	Square Feet	Tons (Metric)	2,204.6	Pounds (Avoir- dupois)
Square Kilometers	100	Hectares	(Millier)		
Square Kilometers	0.3861	Square Miles (Statute)	Tons (Short)	0.9072	Metric Tons
Square Meters (See Centares)			Tons (Short)	2,000	Pounds (Avoir- dupois)
Square Miles, Statute	640	Acres	Yards	91.44	Centimeters
Square Miles, Statute	25,900	Ares	Yards	0.9144	Meters