

Conversions & Calculations

Conversion Table Use

Find the units *you have* in the left column. Look across the table to find the units you wish to convert to. The value that is contained in that row and column is the multiplier that converts from the units you have to the units you want.

Velocity Conversion Table

Velocity Unit Value	feet per second (ft/s)	meters per second (m/s)	knots	kilometer per hour (kph)	miles per hour (mph)
ft/s	1	0.304800	0.592484	1.097280	0.681818
m/s	3.28084	1	1.943844	3.60000	2.23694
knots	1.687810	0.514444	1	1.852000	1.150779
kph	0.911344	0.277778	0.539957	1	0.621371
mph	1.466667	0.447040	0.868976	1.609344	1
furlongs per fortnight	5.45635e-4	1.663095e-4	3.23280e-4	5.98714e-4	3.72024e-4

Length / Distance Conversion Table

Distance Unit	feet (ft)	inches (in)	yards	miles	centimeters (cm)	meters (m)	kilometers	nautical miles
feet	1	12	0.333333	1.893939e-4	30.4800	0.304800	3.04800e-4	1.645788e-4
inches	0.0833333	1	0.0277778	1.578283e-5	2.54000	0.025400	2.54000e-5	1.371490e-5
yards	3	36	1	5.68182e-4	91.4400	0.914400	9.14400e-4	4.93737e-4
miles	5280	63360.0	1760.000	1	160934.4	1609.344	1.609344	0.868976
centimeters	0.0328084	0.393701	0.01093613	6.21371e-6	1	0.01	10e-6	5.39957e-6
meters	3.28084	39.3701	1.093613	6.21371e-4	100	1	0.001	5.39957e-4
kilometers	3280.84	39370.1	1093.613	0.621371	100000	1000	1	0.539957
nautical miles	6076.12	72913.4	2025.37	1.150779	185200.0	1852.000	1.852000	1
rods	16.5	198	5.5	0.00312500	502.920	5.02920	0.00502920	0.00271555
furlongs	660	7920	220	0.1250000	20116.8	201.168	0.201168	0.1086220
fathoms	6	72	2	0.001136364	182.8800	1.828800	0.0018288	9.87473e-4

1 foot (ft.) = 12 inches (in.)

1 inch (in.) = 2.54 centimeters (cm) exactly

1 meter (m) = 100 centimeters (cm) = 1000 millimeters (mm)

1 centimeter (cm) = 10 millimeters (mm)