

Speed Conversion Table

Comprehensive Reference Guide

Convert between speed and velocity units - This table shows conversion factors between all speed units.

How to use: Find your starting unit in the left column, then read across to find the conversion factor to your target unit.

From \ To	(m/s) Meter per Second	(km/h) Kilometer per Hour	(mph) Mile per Hour	(kn) Knot
Meter per Second (m/s)	1	3.600	2.237	1.944
Kilometer per Hour (km/h)	0.2778	1	0.6214	0.5400
Mile per Hour (mph)	0.4470	1.609	1	0.8690
Knot (kn)	0.5144	1.852	1.151	1

Quick Reference - Common Conversions

- 1 Meter per Second = 3.6000 Kilometers per Hour
- 1 Kilometer per Hour = 0.2778 Meters per Second
- 1 Mile per Hour = 0.4470 Meters per Second
- 1 Knot = 0.5144 Meters per Second