

# METRIC SYSTEM LENGTH UNITS

## Reference Conversion Chart

Unit	Symbol	Relationship to Meter	Decimal Value (m)
Kilometer	km	1,000 meters	1000.0
Hectometer	hm	100 meters	100.0
Dekameter	dam	10 meters	10.0
<b>Meter (Base)</b>	<b>m</b>	<b>1 meter</b>	<b>1.0</b>
Decimeter	dm	1/10 meter	0.1
Centimeter	cm	1/100 meter	0.01
Millimeter	mm	1/1,000 meter	0.001
Micrometer	μm	1/1,000,000 meter	0.000001

### Quick Rules:

- To move to a **smaller** unit: Multiply by 10 (move decimal right).
- To move to a **larger** unit: Divide by 10 (move decimal left).