

METRIC SYSTEM REFERENCE

Standard Units & Conversions

Common Prefixes

PREFIX	SYMBOL	POWER OF 10	DECIMAL VALUE
Kilo	k	10^3	1,000
Hecto	h	10^2	100
Deca	da	10^1	10
(Base)	-	10^0	1
Deci	d	10^{-1}	0.1
Centi	c	10^{-2}	0.01
Milli	m	10^{-3}	0.001

Length (Meter)

1 km	1,000 m
1 m	100 cm
1 cm	10 mm
1 mm	$1,000 \frac{1}{4}m$

Mass (Gram)

1 t (metric)	1,000 kg
1 kg	1,000 g

1 g

1,000 mg

1 mg

1,000 $\frac{1}{4}$ g

Volume (Liter)

1 kL

1,000 L

1 L

1,000 mL

1 mL

1 cm³

1 L

1 dm³

Temperature (Celsius)

0C

Water Freezes

100C

Water Boils

20C

Room Temp

37C

Body Temp