

METRIC SYSTEM REFERENCE

PREFIXES & POWERS OF 10

Prefix	Symbol	Multiplier	Exponential
Kilo	k	1,000	10^3
Hecto	h	100	10^2
Deca	da	10	10^1
Base Unit	-	1	10^0
Deci	d	0.1	10^{-1}
Centi	c	0.01	10^{-2}
Milli	m	0.001	10^{-3}

COMMON MEASUREMENTS

Measurement	Unit	Symbol	Equivalent
Length	Kilometer	km	1,000 meters
Length	Centimeter	cm	0.01 meters

Measurement	Unit	Symbol	Equivalent
Mass	Kilogram	kg	1,000 grams
Mass	Milligram	mg	0.001 grams
Volume	Liter	L	Base unit
Volume	Milliliter	mL	0.001 liters

QUICK CONVERSIONS

$$1 \text{ cm} = 10 \text{ mm}$$

$$1 \text{ m} = 100 \text{ cm}$$

$$1 \text{ km} = 1,000 \text{ m}$$

$$1 \text{ kg} = 1,000 \text{ g}$$

$$1 \text{ g} = 1,000 \text{ mg}$$

$$1 \text{ L} = 1,000 \text{ mL}$$