

Trades Math Reference Sheet (Metric & Imperial U.S.)

U.S. customary units differ from imperial (Canadian/UK) units, especially for liquid measure. Always confirm which system is being used.

Metric Length

Unit	Conversion
km	1000 m
m	100 cm
cm	10 mm
mm	1000 mm

Metric Volume

Unit	Conversion
kL	1000 L
m ³	1 kL
L	1000 mL
mL	1 cm ³

Metric Mass

Unit	Conversion
t	1000 kg
kg	1000 g
g	1000 mg

Metric Prefixes

Prefix	Value
kilo	1000
hecto	100
deca	10
deci	0.1
centi	0.01
milli	0.001

Imperial (U.S.) Length

Unit	Conversion
ft	12 in
yd	3 ft

Unit	Conversion
mi	5280 ft

Imperial (U.S.) Liquid

Unit	Conversion
pt	2 cups
qt	2 pt
gal	4 qt

Imperial (U.S.) Weight

Unit	Conversion
lb	16 oz
ton	2000 lb

Quick Conversions (Metric ↔ Imperial)

Conversion	Value
1 m	39.4 in
1 km	0.621 mi
1 kg	2.2 lb
1 L	0.26 gal