

METRIC SYSTEM CONVERSIONS

Mass (g = gram)

kg
 x 10 ↓ ↑ ÷ 10
hg
 x 10 ↓ ↑ ÷ 10
dag
 x 10 ↓ ↑ ÷ 10
g
 x 10 ↓ ↑ ÷ 10
dg
 x 10 ↓ ↑ ÷ 10
cg
 x 10 ↓ ↑ ÷ 10
mg

Capacity (L = litre)

kL
 x 10 ↓ ↑ ÷ 10
hL
 x 10 ↓ ↑ ÷ 10
daL
 x 10 ↓ ↑ ÷ 10
L
 x 10 ↓ ↑ ÷ 10
dL
 x 10 ↓ ↑ ÷ 10
cL
 x 10 ↓ ↑ ÷ 10
mL

Distance or Length (m = metre)

km
 x 10 ↓ ↑ ÷ 10
hm
 x 10 ↓ ↑ ÷ 10
dam
 x 10 ↓ ↑ ÷ 10
m
 x 10 ↓ ↑ ÷ 10
dm
 x 10 ↓ ↑ ÷ 10
cm
 x 10 ↓ ↑ ÷ 10
mm

Area (m² = square metre)

km²
 x 100 ↓ ↑ ÷ 100
hm²
 x 100 ↓ ↑ ÷ 100
dam²
 x 100 ↓ ↑ ÷ 100
m²
 x 100 ↓ ↑ ÷ 100
dm²
 x 100 ↓ ↑ ÷ 100
cm²
 x 100 ↓ ↑ ÷ 100
mm²

Volume (m³ = cubic metre)

km³
 x 1000 ↓ ↑ ÷ 1000
hm³
 x 1000 ↓ ↑ ÷ 1000
dam³
 x 1000 ↓ ↑ ÷ 1000
m³
 x 1000 ↓ ↑ ÷ 1000
dm³
 x 1000 ↓ ↑ ÷ 1000
cm³
 x 1000 ↓ ↑ ÷ 1000
mm³

k = kilo (1000)

h = hecto (100)

da = deca (10)

d = deci (1/10)

c = centi (1/100)

m = milli (1/1000)

VOLUME VS CAPACITY

$$1 \text{ m}^3 = 1 \text{ kL}$$

$$1 \text{ dm}^3 = 1 \text{ L}$$

$$1 \text{ cm}^3 = 1 \text{ mL}$$