

More Metric Conversions

- remember that the metric system is upon multiples of 10
- each conversion is completed by simply moving the decimal place
- large to small: decimal right; small to large: decimal left

M.....	10^6
k.....	10^3
h.....	10^2
da.....	10^1
m,g,L.....	10^0
d.....	10^{-1}
c.....	10^{-2}
m.....	10^{-3}
μ	10^{-6}

Part A:

- 3.40 m = km
- 15234 km = Mm
- 280 mg = g
- 16 L = mL
- 1.5 ML = L
- 0.19 Mg = kg
- 9 kg = cg
- 5.8 cm = m = dam =
- 0.007 L = dL = mL =
- 5.46 kg = hg = g =

Part B:

- 14000 cm^3 = m^3
- 165,000,000 m^3 = kL
- 77 dm^3 = m^3
- 0.0015 m^3 = cm^3

$1 \text{ cm}^3 = 1 \text{ mL}$
$1 \text{ dm}^3 = 1 \text{ L}$
$\text{m}^3 = 1 \text{ kL}$

Part C:

- 1 mL = cm^3
- 10 mL = cm^3
- 26.9 ml = cm^3
- 0.0004 kL = mL
- 3 m^3 = cm^3
- 0.18 L = dm^3
- 5 dm^3 = mL
- 1,000,000 cm^3 = kL