

Medication safety Tool

Common Conversions:

1 Litre (L)	1000 Millilitres (mL)
1 Kilogram (kg)	1000 Gram (g)
1 Gram (g)	1000 Milligrams (mg)
1 Milligram (mg)	1000 Micrograms (mcg)
1 Microgram (mcg)	1000 Nanograms (ng)

Method of Calculation:

Remember: Before doing the calculation, convert units of measurement to one system.

D (Desired dose/ **what you want**)

H (Dose on hand/ **what you've got**)

V (Volume/**what it's in**)

$$\frac{D}{H} \times V = \text{Amount to Give}$$

Example:

Order = Amoxicillin 50 mg I.V. 12hrly

Drug available = Amoxicillin 500 mg / 2 ml

$$D= 50\text{mg} \quad H= 500\text{mg} \quad V= 2\text{ml}$$

$$\frac{50 \text{ mg}}{500 \text{ mg}} \times 2 \text{ ml} = 0.2\text{ml}$$