

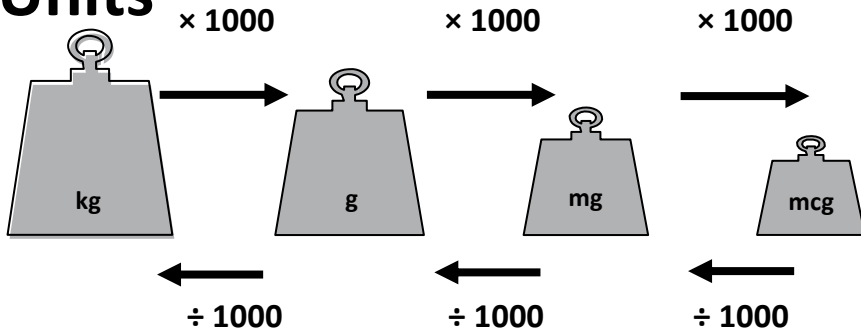
$$\text{Volume (ml)} = \text{Rate (ml/min)} \times \text{Time (min)}$$

$$\text{Time (min)} = \frac{\text{Volume (ml)}}{\text{Rate (ml/min)}}$$

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Drop Rates & Infusion Rates

Units



$$1 \text{ kg} = 1000 \text{ g}$$

$$1 \text{ g} = 1000 \text{ mg}$$

$$1 \text{ mg} = 1000 \text{ mcg}$$

$$1 \text{ litre} = 1000 \text{ ml}$$

Weight in volume (w/v) – solid dissolved in liquid, e.g., Glucose 5%(w/v) = 5g Glucose in every 100 ml

1:something (one in something) concentration means grams in mls, e.g., 1:100 means 1g in 100ml

Percentages

Ratio

Concentration

$$\text{Dose} = \frac{\text{WANT}}{\text{GOT}} \times \text{IN}$$

Dosage

Nursing Medication Calculation Formulae

Right Patient
 Right Time/Frequency
 Right Dose
 Right Route
 Right Drug



$$\text{BMI} = \frac{\text{Weight (kg)}}{\text{Height}^2 (\text{m}^2)}$$

BMI	Weight Status
Below 18.5	Underweight
18.5 – 24.9	Normal
25 – 29.9	Overweight
30 & above	Obese

Standard Drop Rates

Blood	IV
15 drops/ml	20 drops/ml

Notes