Dosage Calculations

Study Development Quick Guide

## Formulae

Tablet dose (tablets) = $\frac{dose prescribed (mg)}{dose in stock (mg/tablet)}$

Suspension dose (ml) = $\frac{dose prescribed (mg)}{dose in stock (mg)}$ x stock volume (ml)

## Tablet example

A patient is prescribed a dose of 50mg of a drug that comes in 10mg tablets. How many tablets should the patient be given for a single dose?

## Tablet example answer

Tablet dose (tablets) = $\frac{dose prescribed (mg)}{dose in stock (mg/tablet)}$ = $\frac{50 mg}{10 mg/tablet}$ = 5 tablets

## Suspension example

A patient is prescribed 85mg of a drug to be given intravenously. The vials of the drug contain 40mg/ml. How many ml should be given to the patient?

## Suspension example answer

Suspension dose (ml) = $\frac{dose prescribed (mg)}{dose in stock (mg)}$ x stock volume (ml) = $\frac{85 mg}{40 mg}$ x 1ml = 2.125ml.

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