

Pharmacy Calculations

ANSWERS

- 1) Amy Abdula has a prescription for a 28 day supply of metformin 500mg tablets. She takes ONE tablet TWICE a day. How many would you dispense?

$$1 \times 2 = 2 \text{ per day}$$

$$2 \times 28 \text{ days} = \underline{56 \text{ Tablets}}$$

- 2) Barbara Blackfield has a prescription for a 5 day course of amoxicillin 500mg capsules. She needs to take ONE capsule THREE times a day. How many would you dispense?

$$1 \times 3 = 3 \text{ per day}$$

$$3 \times 5 \text{ days} = \underline{15 \text{ capsules}}$$

- 3) Chris Crawley has a prescription for paracetamol 500mg tablets. He needs to take TWO tablets FOUR times a day. The prescription states a 28 day supply. How many would you dispense?

$$2 \times 4 = 8 \text{ per day}$$

$$8 \times 28 \text{ days} = \underline{224 \text{ Tablets}}$$

- 4) You are working in a hospital pharmacy and have to give a minimum of 14 day supply. David Dibbley is prescribed NovoRapid FlexPen 100units/ml pre-filled pens. He needs to take TEN Units THREE times a day. One pen contains 300 units. How many pens would you dispense?

$$10 \times 3 = 30 \text{ units per day}$$

$$30 \times 14 \text{ days} = 420 \text{ units}$$

$$420 \div 300 \text{ in a pen} = 1.4 \text{ pens}$$

$$\text{Round up to } \underline{2 \text{ pens}}$$

- 5) Elizabeth Ellis has been prescribed 250mg/5ml Amoxicillin Oral Solution for pneumonia. She needs to take 500mg THREE times per day for 5 days.

How many 5ml spoonful does she need to take for each 500mg dose?

A bottle contains 100ml. How many bottles need to be supplied to cover the course?

There is 250mg in a 5ml spoon

$$500\text{mg} \div 250\text{mg} = \underline{2 \text{ spoonful}}$$

2 spoonful = 10ml per dose.

$$10 \times 3 = 30\text{ml per day}$$

$$30\text{ml} \times 5 \text{ days} = 150\text{ml for the course}$$

$$150\text{ml} \div 100\text{ml in a bottle} = 1.5 \text{ bottles}$$

$$\text{Round up to } \underline{2 \text{ bottles}}$$