

### Sample numeracy questions

1. Convert 4 grams (g) to milligrams (mg).

Answer: 4000mg

2. You prescribed 1200mg of gabapentin. Gabapentin is available as 300 mg capsules. How many capsules will you provide per dose?

Answer: 4 capsules

3. You prescribed 37.5 mg of diclofenac intravenously. Diclofenac is available as 75 mg/3mL injection. What is the volume of injection required for each dose?

Answer: 1.5ml

4. What is the dose of methotrexate for a patient with a body surface area of  $1.25\text{m}^2$  and a recommended dose of  $40\text{mg}/\text{m}^2$ ?

Answer: 50mg

5. A patient is prescribed 7.5 mL of amoxicillin syrup TDS. How much syrup is required for a 5-day course of amoxicillin?

Answer: 112.5ml

6. An 80-kg man is to receive an infusion of dopamine at a dose of  $5\text{mcg}/\text{kg}/\text{minute}$ . A solution of dopamine containing 400 mg in 250 mL has been prepared. At what rate (in mL/hour) should the pump be set to give the correct dose?

Answer: 15ml/hr