**Weight/volume dosages**

**The Answers**

#### Exercise 1

#### 1. You need to administer 6.25mg fluphenazine decanoate IM to your patient. The ampoules available are 25mg/ml. How many millilitres do you need to administer?

* 0.25ml

**2.** Your patient has been prescribed 10mg diazepam. The oral solution available contains 5mg/5ml. How many millilitres do you need to administer?

* 10ml

**3.** You need to give codeine phosphate 15mg to your patient. The oral solution available contains 3mg/5ml. How many millilitres do you need to administer?

* 25ml

**4.** You need to administer 0.5mg adrenaline to your patient. The ampoule available contains adrenaline strength 1:1000 in 1ml. How many millilitres do you need to administer?

* 0.5ml

**5.** 30mg domperidone has been prescribed orally. The oral solution available contains 5mg/5ml. How many millilitres would you administer?

* 30ml

#### Exercise 2

**1.** You need to administer metoclopramide hydrochloride 500mcg to your patient IM. The ampoules available are 5mg/ml. How many millilitres would you administer?

* 0.1ml

**2.** Your patient has been prescribed paracetamol 500mg. The oral solution available contains 250mg/5ml. How many millilitres would you administer?

* 10ml

**3.** Your patient has been prescribed Lacosamide 150mg. The syrup available contains 15mg/ml. How many millilitres do you need to administer?

* 10ml

**4.** You need to administer 300mcg/kg diazepam rectally. Your patient weighs 3Kg and the rectal solution strength is 2mg/ml. How many millilitres of a 2.5mg/1.25ml tube do you need to administer?

* 0.45ml

**5.** Your patient has been prescribed midazolam 7.5mg. The solution available contains 10mg/ml. How many millilitres do you need to administer?

* 0.75ml

#### Exercise 3

**1.** Your patient has been prescribed 150mg orphenadrine hydrochloride. The oral solution strength is 25mg/5ml. How many millilitres do you need to administer?

* 30ml

**2.** You need to prepare an IV injection of sotalol hydrochloride 60mg. The ampoules available contain 10mg/ml. How many ampoules do you need to prepare?

* 6 ampoules

**3.** Your patient has been prescribed 150mcg/kg atenolol. Your patient weights 65kg. The injection ampoules contain 500mcg/ml and are manufactured in 10ml ampoules. How many millilitres do you need to administer?

* 19.5ml – would be all of one ampoule and 9.5 of second ampoule

**4.** You need to administer benzylpenicillin 600mg orally. The oral solution strength contains 125mg/5ml. How many millilitres do you need to administer?

* 24ml

**5.** Ampillicin 1g has been prescribed. The oral solution available contains 250mg/5ml. How many millilitres do you need to administer?

* 20ml

#### Exercise 4

**1.** Your patient has been prescribed 250mg flucloxacillin. The oral solution contains 125mg/5ml. How many millilitres do you need to administer?

* 10ml

**2.** You need to administer 7.5mg/Kg clarithromycin. Your patient weighs 6kg and the oral solution contains 125mg/5ml. Calculate how many millilitres to administer?

* 1.8ml

**3.** You need to administer azathioprine 2mg/kg IV to a patient weighing 24kg. The ampoule available contains 50mg and is reconstituted with 10ml water for injection. How many millilitres would you need to draw up to prepare this infusion?

* 9.6ml

**4.** Gentamicin has been prescribed 4mg/Kg for your patient who weighs 38kg. The ampoules available contain 40mg/ml. How many millilitres would you administer?

* 3.8ml ie 3 whole ampoules and 0.8ml of a fourth ampoule

**5.** Your patient has been prescribed promathazine hydrochloride 7.5mg. The elixir available contains 5mg/5ml. How many millilitres would you administer?

* 7.5ml