



Examples of calculation questions

1.

Ibuprofen 10%w/w gel has been prescribed for a patient with back pain. An original pack contains 50g. What is the quantity of Ibuprofen, in milligrams, in a 50g pack?

- A. 2.5mg
- B. 10mg
- C. 50mg
- D. 500mg
- E. 5000mg

2.

A child weighs 3 stones and is prescribed ranitidine 150mg/10ml oral solution. The dose prescribed is 4mg/kg twice daily. Calculate the quantity in mls that is required on a daily basis to one decimal place.

1 stone = 6.35kg

- A. 5.1mls
- B. 10.2mls
- C. 14.3mls
- D. 19.1mls
- E. 20.2mls

3.

Calculate amount of solid (in grams) required to produce 250ml of a 1 in 10 solution.

- A. 2g
- B. 2.5g
- C. 50g
- D. 200g
- E. 250g

4.

A patient has been prescribed prednisolone 40mg once daily for 10 days. They are on a reducing dose of 10mg each week until discontinuation. How many prednisolone 5mg tablets are required for this treatment?

- A. 112
- B. 128
- C. 134
- D. 156
- E. 164