

Medical Calculations- Division 2 Nurse

1. Name the 5 rights of medication administration:

- f)
- g)
- h)
- i)
- j)

2. Conversions

- h) 320mcg.....mg
- i) 25mg.....G
- j) 750mcg.....G
- k) 2mg.....mcg
- l) 75mg.....mcg
- m) 22G.....mg
- n) 36mL.....L

Drug Calculations – Please show all workings

3. Mr infarct is ordered 1mg per kg of clexane s/c B.D. He weighs 90kg.

- How much clexane will he require?

- Clexane comes in pre-dosed marked syringes of 20mg, 40mg, 60mg, 80mg, & 100mg. **What do you do?**

His initial dose was given in Emergency department on admission at 1600hrs.
What time would you give his next dose?

4. Mrs Flutter is ordered digoxin 250mcg. In her drawer she has 0.0625mg.

- Work out what dose to give her

You attempt to give her the above pills and she refuses, saying “No Dear, they are not the right tablets. I don’t take that many and they are the wrong colour.”

- **How would you deal with this situation?**

5. Mr Palpitation has been ordered Sotolol 40mg. In his drawer you find Sotolol 160mg.

- **Work out what dose you would give him**

6. A lady is ordered 75mg Irbesartin, your ward imprest only stocks 150mg unscored tablets of Irbesartin.

- **What do you do?**

7. A patient with a background history of chronic back pain is admitted to your ward. She is ordered a variety of analgesics including:

Paracetamol
Panadeine or
Panadeine Forte 4-6/24 PRN
Ibuprofen 200-400 6/24 PRN

After having administered 1G of Paracetamol and 400mg of ibuprofen at 0800hrs, she complains of pain at 1100hrs.

- **What is your response?**

8. A palliative patient is ordered 500mg of Morphine with 30mg metoclopramide s/c to be delivered over a 24 hour period, via a portable grasby syringe pump.

- **Is this a reasonable order?**

- Morphine comes as 120mg in 1.5mls and Metoclopramide is 10mg in 2mls.

How many mls of each drug would be required to make up this order?

9. A patient requires 1200mg Sodium Valproate, and normally takes the syrup version. Sodium Valproate comes in 200mg/5mg.

- **What dose would you give him?**

10. A child is ordered 15mg/kg of Paracetamol. We supply 240mg in 5mls suspension.

- If the child weighs 18kg.
How many mgs would you give?

- **How many mls does this equate to?**