

Dosage Calculation Worksheet #4

1. Ordered is flucloxacillin 250mg IM. Available is 1 G in 10 mL. How much should the nurse administer in mL?

$$250 \times 10 / 1000 =$$

2.5 mL

2. Order: Administer 160 mg IV. Available is 100 mg/2 mL. How much should the nurse administer in mL?

$$160 \times 2 / 100 =$$

3.2 mL

3. Azulfidine 1.5 g has been ordered every 12 hrs. Available are 500mg tablets. How many tablets should the nurse administer per day?

$$1500 \times 2 / 500 =$$

6 tablets

4. Ergotrate maleate 200 mcg is ordered po daily. Available is 0.2 mg. How many tablets should the nurse administer?

1 tablet

5. From 0700 to 1900 the nurse calculates the patient's total intravenous fluid intake as __?__ milliliters. An IV is infusing at 50 mL/hour. At 0900 the patient will receive IVPB of 125 mL for 30 minutes. What is the total amount in mL the patient will receive during this time?

$$11.5 \times 50 + 125 =$$

700mL

6. Solumedrol 1.5 mg/kg is ordered for a child weighing 42 lb. Solumedrol is available as 75 mg / 1 mL is available. How many mL must the nurse administer?

$$42/2.2=19.1 \text{ kg}$$

$$1.5 \times 19.1 = 28.6 \text{ mg}$$

$$28.6 \times 1/75 =$$

$$0.4 \text{ mL}$$

7. Give patient 17.1 mg of dopamine in 223 mL of D5W to be infused at a rate of 17,221 mcg/hr. Calculate the flow rate in mL/hr.

$$17.1 \times 223 / 17.221 =$$

$$221.4 \text{ mL/hr}$$

8. Calculate the IV flow rate for 0.2 L of D5W IV over 462 min. Infusion set has drop factor of 59 gtts/mL. What is the IV flow rate in gtts/min?

$$200 \times 59 / 462 =$$

$$25.5 \text{ gtts/min}$$

9. Ordered Lasix 24 g IV push now. Available: 22,000,000 mcg in 12 mL. How much will the nurse draw up?

$$24 \times 12 / 22 =$$

$$13.1 \text{ ml}$$

10. Calculate the IV flow rate for 392 mL of D5W IV over 582 min. Infusion set has drop factor of 74 gtts/mL. What is the IV flow rate in gtts/min?

$$392 \times 74 / 582 =$$

$$49.8 \text{ gtts/min}$$

11. From 0700 to 1800 the nurse calculates the patient's total intravenous fluid intake as $\boxed{1}$ milliliters. An IV is infusing at 100 mL/hour. At 0900 and 1500, the patient will receive IVPB of 75 mL for 30 minutes. What is the total amount the patient will receive during this time?
 $10 \times 100 + 1 \times 150 =$
 1150 mL
12. Ordered 7 g of Amoxicillin. Amoxicillin is available as 0.016 kg per 20 mL. How much will the nurse draw up
 $7 \times 20 / 16 =$
 8.8 mL
13. Potassium chloride is available as 0.016 kg per tablet. Potassium Chloride (K-Dur), 24,000,000 mcg, is ordered. How many tablets would the nurse administer?
 $24 \times 1 / 16 =$
 1.5 tablets
14. Aggrastat at 23.8 mg in 129 mL is to be infused at 3 mcg/kg/hr in a patient who weighs 82 kg. At what flow rate in mL/hr will you set the pump?
 $3 \times 82 = 246$
 $.246 \times 129 / 23.8 =$
 1.3 mL/hr
15. Administer 0.06 g of codeine po now. Available are 30 mg tablets. How many tablets should the nurse administer?
 $60 \times 1 / 30 =$
 2 tablets