Calculation Worksheet #4

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

2. Order: Administer 160 mg IV. Available is 100 mg/2 mL. How much should the nurse administer in mL? Do not round.

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

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

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?

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? Round to the 100th.

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. Round answer to the 10th.

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? Round answer to a whole number.

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

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? Round answer to a whole number.

11. The total volume ordered is 225 mL N/Saline 0.9% IV. The time over which it is to be given is 40 minutes. The drop factor is 15. How many drops per minute will be delivered? Round answer to a whole number.

12. Ordered 7 g of Amoxicillin. Amoxicillin is available as 0.016 kg per 20 mL. How much will the nurse draw up? Round answer to the 10^{th}.

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?

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? Round answer to the 10^{th}.

15. Administer 0.06 g of codeine po now. Available are 30 mg tablets. How many tablets should the nurse administer?

16.

16. Administer Nafcillin 0.5 g, IM, q6h. Using the following drug label, how many milliliters should the nurse give per dose? Do not round.

17. Administer Prednisone (Deltazone) 6 mcg/kg/min. The patient weighs 165 lb. Available is 250 mL D_5W with Deltazone 50 mg. How many milliliters per hour will the nurse need to run the infusion?

18. Administer Dobutamine 250 mg in 100 mL of D_5W at 15 mcg/kg/min. Patient weighs 120 lb. Calculate the flow rate in milliliters per hour. Round final answer to the nearest tenth.

19. 8 mL of normal saline is added to a 2 mL vial of Thiamine. How many mg of
Thiamine are in each milliliter of fluid?

20. Administer 1 G of erythromycin IVPB every 8 hrs x 5 days. The patient will receive how many micrograms for the course of treatment?

21. A nurse calculates the patient's total intravenous (IV) fluid intake from 0700 to 1900. An IV of NS is infusing at 75 mL/hr. The patient also receives 3 IVPB of 100 mL for 30 minutes. What is the total amount of IV fluid intake for this time frame? Do not round.

22. A patient needs 2 g of a medication. It comes in 250 mg doses. How many doses should be administered? How many hours will it take if the patient can have one dose every 6 hours?

23. The total volume to be administered from an IV drip is 1,250mL over 10 hours. How many milliliters per minute should be given? Round answer to a whole number.

24. A child who weighs 14 kg is ordered 55 mcg/kg IV, 2 hours before surgery. The solution strength is 2 mg/mL. How many mL should be administered? Round answer to the 100^{th}.

25. A patient is receiving 875 g of a medication in 1L of IV fluid. How many g per mL is the patient receiving? Round answer to the 10^{th}.