<u>Dosage Calculation Worksheet #4</u>

1. Ordered is flucloxacillin 250mg IM. Available is 1 G in 10 mL. How much should the nurse administer in mL? <u>2.5mL</u>

    250/1000= 0.25x10= 2.5

2. Order: Administer 160 mg IV. Available is 100 mg/2 mL. How much should the nurse administer in mL? <u>3.2mL</u>
    160/100= 1.6 x 2= 3.2

3. Azulfidine 1.5 g has been ordered every 12 hrs. Available are 500mg tablets. How many tablets should the nurse administer per day? <u>6 tablets</u>
    1500/500=3 x2= 6

4. Ergotrate maleate 200 mcg is ordered po daily. Available is 0.2 mg. How many tablets should the nurse administer? <u>1 tablet</u>

    200/1000=0.2

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? <u>700mL</u>

    50x11.5 =575 + 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? 0.38mL

   42/2.2= 19.1   1.5x19.1= 28.65   28.65/75= 0.382-> 0.38

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. 224.6mL/hr
   17,221/17,100x223=224.57->224.6

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? 26ggts/min

   200x59= 11,800/462= 25.5->26

9. Ordered Lasix 24 g IV push now. Available: 22,000,000 mcg in 12 mL. How much will the nurse draw up? 13.1mL

   24,000,000/22,000,000= 1.09x12=13.08->13.1

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? 50ggts/min

    392x74=29,008/582= 49.8 -> 50

11. From 0700 to 1800 the nurse calculates the patient's total intravenous fluid intake as [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? 1050mL

    9x100= 900   75+75=150   900+150=1050

12. Ordered 7 g of Amoxicillin. Amoxicillin is available as 0.016 kg per 20 mL. How much will the nurse draw up? 8.8mL

0.007/0.016x20= 8.75->8.8

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? 1.5 tablets

24,000,000/16,000,000= 1.5

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? 1.3mL/hr

0.003x82=0.246   0.246/23.8x129=1.3

15. Administer 0.06 g of codeine po now. Available are 30 mg tablets. How many tablets should the nurse administer? 2 tablets

0.06/0.03= 2