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? $1G = 1000mg$

$$\frac{(250mg)(10mL)}{1000mg} = \boxed{2.5mL}$$

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

$$\frac{(160mg)(2mL)}{100mg} = \boxed{3.2mL}$$

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

$$\frac{(1.5g)(1tab)}{0.5g} = 3tab \qquad (3)(2) = \boxed{6 \, tab/day}$$

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

$$\frac{(200mcg)(1tab)}{200mcg} = \boxed{1tab}$$

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?

12 HRS TOTAL
2 HR
30 min
9.5HR
12 HR

0700-0900 = 100mL
0900-0930 = 125mL
0930-1900 = 475mL $\boxed{700mL}$

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? $42/2.2 = 19.1Kg$

$(1.5mg)(19.1) = 28.65$

$$\frac{(28.65)(1mL)}{75mg} = \boxed{0.38mL}$$

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.

$17,221mcg = 17.2mg$

$$\frac{17.2mg}{17.1mg}(223mL) = \boxed{224.3mL/hr}$$

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?

$0.2L = 200mL$

$$\frac{200mL}{462min}(59gtts/mL) = \boxed{25.5 \, gtt/min}$$