Dosage Calculation Worksheet #4

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

$$250 mg \times \frac{10mL}{1000 mg} = \boxed{2.5 \, mL}$$

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

$$160 \, mg \times \frac{2mL}{100mg} = \boxed{3.2 mL}$$

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

$$1.5 g \times 1000mg = 1500mg \times 2 = 3000 \, mg/day$$
$$3000 \, mg \times \frac{1 \, tab}{500mg} = \boxed{6 \, tabs}$$

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

$$0.2mg \times \frac{1000mcg}{1mg} = 200mcg = \boxed{1 \, tablet}$$

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?

$$12hrs \times \frac{50mL}{1hr} = 600 \, mL + 125mL = \boxed{725 \, mL}$$

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?

$$42lb \times \frac{1kg}{2.2lb} = 19.1kg \times \frac{1.5mg}{kg} = 28.6mg \times \frac{1mL}{75mg} = \boxed{0.38 \, mL}$$

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.

$$17,221 mcg \times \frac{1mg}{1000mcg} = 17.221 mg/hr \qquad \frac{17.221mg}{hr} \times \frac{mL}{0.076mg}$$

$$\frac{17.1mg}{223 mL} = 0.076 mg/mL \qquad\qquad = \boxed{226.6 \, mL/hr}$$