8. You have an IV infusing at 125 mL/hr. How long will it take 1500 mL to infuse? 125 mL/hr

$\frac{1\text{ hr.}}{125\text{ mL}} \times \frac{x}{1500} = 12$

$\frac{1500\text{ mL} \times 1\text{ hr}}{125\text{ mL}} = 12\text{ hrs}$

9. Medication order: rocephin g 1 IV every 12 hours over 30 minutes. Available: rocephin 1 g in 150 mL NS. At what rate would you set your pump? O: Rocephin 1 g IV every 12 hrs over 30 min

A: 1 g/150 mL

$\frac{150\text{ mL}}{5} = 300\text{ mL per hour}$

10. An infusion pump is set to administer 75 mL/hr to a patient. How many hours will it take for the patient to receive 600 mL of fluid?

$\frac{75\text{ mL}}{1\text{ hr}} \times \frac{600\text{ mL}}{x} = \frac{600}{75} = 8\text{ hrs}$

11. A patient is to receive lidocaine hydrochloride (Xylocaine) 100 mg as an intravenous bolus. The Xylocaine is labeled 20 mg/mL. How many milliliters should be administered? 100 mg

20 mg/mL

mL = ? 5mL

$\frac{20\text{ mg}}{1\text{ mL}} \times \frac{100\text{ mg}}{x}$ $\frac{100}{20} = 5$

12. Medication order: 50 mg/kg/day. Patient weight: 85.8 pounds. The patient will receive ____ mg/day. 85.8 ÷ 2.2 = 39 Kg

50 x 39 = 1,950 mg/day

13. Medication order: Amoxicillin 2.5 mL every 8 hours. Available is Amoxicillin 250 mg/5mL. The nurse will administer how many mg for the day? mg = ?

O: 2.5 mL every 8 hrs

A: 250 mg/5 mL

500mg (every 8 hrs)

500 x 3 = 1500 mg

500mg / 8 x 24 = 12,000 / 8 = 1500

14. Medication order: Ondansetron 2 mg - 4 mg/kg/Q 4 hours po PRN nausea. The patient weighs 66 lbs. What is the minimum amount of medication in grams that can be administered every 4 hours? 66 ÷ 2.2 = 30

O: 2mg - 4mg/kg Q 4hrs PO PRN

2mg x 30 = 60mg = 0.06g

15. Medication order: 5 mL of normal saline is added to a vial of Lasix 20 mg/5 mL. How many milligrams of Lasix are in each millimeter of fluid?

O: 20 mg/5mL mg = ?

$\frac{20\text{ mg}}{5} = 4$ 4mg