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

O: 24 g
A: 22 g   22,000,000 mcg / 12 mL

$$\frac{24g \times 12mL}{22g} = \frac{288}{22}$$

(13.19/mL)

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?

$$\frac{392 \, mL}{582 \, min} \times 74 \, gtts/mL = \frac{49.8 \, gtts/min}{}$$

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

0700 - 1800 = 11 hours $\frac{10 \, hrs \times 100 \, mL}{hr}$

900 + 150 = 1050 + 100 = **(1150mL)**

$$\frac{10 \, hrs \times 100 \, mL}{1} = \frac{1000}{100}$$

75 × 2 = 150

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

O: 7 g
A: 0.016 kg / 20 mL $\frac{7g \times 20mL}{16g}$ **(8.75mL)**

$$\frac{0.016 \, kg}{16g}$$

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?

O: 24,000,000 mcg
A: 0.016 kg / tablet $\frac{0.016 \, kg}{1 \, tablet} = \frac{16000000 \, mcg}{1 \, tablet}$

= 1.5 tablets

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?   23.8 mg / 129 mL   infused @ 3 mcg/kg/hr

$$\frac{3mcg}{kg/hr} \times 82 = \frac{246mcg}{hr}$$

$$\frac{240 \, mcg}{23,800 \, mcg} \times 129 \, mL = \boxed{1.3 \, mL/hr}$$

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

O: 0.06 g
A: 30 mg / tablet $\frac{0.06g \times 1 \, tablet}{0.03g} = \frac{0.06g \times 1 \, tablet}{0.03g} = $ **(2)**