

Medication Worksheet N321

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1. How many mL are in a teaspoon? 5mL
2. 750 mcg is how many mg? 0.75 mg
3. Express number to the nearest hundredth 2.345 2.35
4. Solve the following equation 55×0.15 . Express your answer to the nearest tenth 8.3
5. 2.5 L is how many mL? 2500 mL
6. 750 mg is how many grams? 0.75 mg
7. Convert weights to kg: 1 kg=2.2 lbs
 - a. 154 lbs. 70 kg
 - b. 123 lbs. 55.9 kg
 - c. 15.4 lbs. 7 kg
8. 45 min = how many hours? 0.75 hrs
9. The nurse needs to infuse 250 mL over 45 minutes by infusion pump. At what rate per hour does the nurse set the pump? 333.3 mL/hr
$$\frac{250 \text{ mL}}{45 \text{ min}} \times \frac{60 \text{ min}}{1 \text{ hr}} = 333.3 \text{ mL/hr}$$
10. The provider has ordered 1 L of 0.9NS over 12 hours. At what rate per hour does the nurse set the pump? 83.3 mL/hr

$$1l = 1000 \text{ mL} \frac{1000 \text{ mL}}{12 \text{ hrs}} = 83.3 \text{ mL/hr}$$

11. Your patient was ordered 28 units regular insulin, and 64 units NPH insulin.

In all how many units of insulin will the nurse administer? **92 units**

12. An IV medication of 250 mL is started at 0750 to run at 33 gtts/min using 10

gtts/mL. How long will the infusion run? **1.26 hrs**

$$250 \text{ mL} / \left(\frac{33 \text{ gtts/min}}{10 \text{ gtts/mL}} \times 60 \text{ min} \right) = 1.26 \text{ hrs}$$

13. Calculate IV flow rate for 1200 mL to be infused in six hours. Using tubing

with drip factor of 20 gtts/mL. **67 gtts/min**

$$\frac{1200 \text{ mL}}{360 \text{ min}} \times 20 \frac{\text{gtts}}{\text{mL}} = 66.7 \text{ gtts/min}$$

14. The patient is ordered Tylenol elixir at 325 mg per teaspoon. How many mL

would the nurse administer? **5 mL**

15. The provider orders 2mg Dilaudid IVP and you have on hand 4mg per 2 mL.

How many mL will you give? **1 mL**

$$\frac{2 \text{ mg}}{4 \text{ mg}} \times 2 \text{ mL} = 1 \text{ mL}$$

16. The nurse hangs 1 L of 0.9NS at 9 am @ 125 mL/hr what time will the IV be

finished? (Military time) **1700**

$$\frac{1000 \text{ mL}}{125 \text{ mL}} = 8 \text{ hr}$$

17. What is 2pm in Military time? **1400**

18. What is 6 am in military time? **0600**

Blood glucose (mg/dL)	Insulin (units)
61-150	0
151-200	3
201-250	5
251-300	8
301-350	10
351-400	12
>400	15 ^a

19. ^aPhysician should be contacted. According to this chart how much insulin

would you give a patient with a blood glucose of 275? **8 units**

20. J. Smith weighs 205 lb. The doctor orders 15 mg/kg of medication. Convert the patient's weight into kilograms. Mr. Smith weighs **93.2** kg. What is the correct dose of medication for Mr. Smith? **1398** mg.

21. Doctor's order says: 300 mL of Normal Saline to infuse over 6 hours. What is the hourly rate? **50 mL/hr**

$$\frac{300 \text{ mL}}{6 \text{ hrs}} = 50 \text{ mL/hr}$$

22. Doctor's order says: 300 mL of Packed Red Blood Cells to infuse over 4 hours. What is the hourly rate? **75 mL/hr**

$$\frac{300 \text{ mL}}{4 \text{ hrs}} = 75 \text{ mL/hr}$$

23. Doctor's order says: 250 mL of Vancomycin to infuse over 45 minutes. What is the hourly rate? **333.3 mL/hr**

$$\frac{250 \text{ mL}}{45 \text{ min}} \times \frac{60 \text{ min}}{1 \text{ hr}} = 333.3$$

24. Doctor's order says: 2,500 mL of D5 1/4 Normal Saline to infuse over 1 day. What is the hourly rate? **104.2 mL/hr**

$$\frac{2500 \text{ mL}}{24 \text{ hrs}} = 104.2 \text{ mL/hr}$$

25. Doctor's order says: 1000 mL of TPN to infuse over 36 hours. What is the hourly rate? **27.8 mL/hr**

$$\frac{1000 \text{ mL}}{36 \text{ hrs}} = 27.8 \text{ mL/hr}$$

26. Doctor's order says: "Infuse 1500 mL of Lactated Ringer's over 12 hours."

Drip factor: 15 gtt/mL? Calculate IV flow rate **31 gtts/min**

$$\frac{1500 \text{ mL}}{720 \text{ min}} \times 15 \frac{\text{gtts}}{\text{mL}} = 31.2 \text{ gtts/min}$$

27. Doctor's order says: "0.4 L of D5W in Normal Saline to infuse over 3 hours."

Drip factor: 10 gtt/mL. Calculate IV flow Rate **22 ggts/min**

$$\frac{400 \text{ mL}}{180 \text{ min}} \times 10 \text{ gtt/mL} = 22.2 \text{ ggts/min}$$

28. Doctor's order says: "500 mL of D5 1/2 Normal Saline with 10 meq of potassium chloride to infuse over 5 hours " Drip factor: 10 gtt/mL Calculate IV flow Rate **17 gtt/min**

$$\frac{500 \text{ mL}}{300 \text{ min}} \times 10 \frac{\text{gtt}}{\text{mL}} = 16.7 \text{ ggts/min}$$

29. Doctor's order says: "3 L of D5W with 20 meq of potassium chloride to infuse over 24 hours" Drip factor: 10 gtt/mL. Calculate IV flow rate **21 ggts/min**

$$\frac{3000 \text{ mL}}{1440 \text{ min}} \times 10 \frac{\text{gtt}}{\text{mL}} = 20.8 \text{ ggts/min}$$

30. Provider order an IM injection of 250mg and you have 500mg per 10 mL.

How many mL will the nurse draw up into the syringe? **5 mL**

$$\frac{250 \text{ mg}}{500 \text{ mg}} \times 10 \text{ mL} = 5 \text{ mL}$$