Medication Worksheet N321

Name: Bryson Cutts **Date: 01/11/2021**

1. **How many mL are in a teaspoon? 5 mL**
2. **750 mcg is how many mg? 750 mcg x 1 mg/ 1000 mcg = 0.75 mg**
3. **Express number to the nearest hundredth. 2.345 = 2.3**
4. **Solve the following equation 55 X 0.15. Express your answer to the nearest tenth. 8.3**
5. **2.5 L is how many mL? 2.5 L x 1000 mL/ 1 L = 2,500 mL**
6. **750 mg is how many grams? 750 mg x 1 g/ 1000 mg = 0.75 g**
7. **Convert weights to kg:**
    a. **154 lbs / 2.2 lb = 70 kg**
    b. **123 lbs / 2.2 lb = 55.9 kg→ 60 kg**
    c. **15.4 lbs / 2.2 lb = 7 kg**
8. **45 min = how many hours? 45 min x 1 hr/ 60 min = 0.75 hr**
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? 250 mL/ 0.75 hr = 333 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? 1000 mL/ 12 hr = 83 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? 28 + 64 = 92 units of total insulin

12. An IV medication of 250 mL is started at 0750 to run at 33 gtt/min using 10 gtt/mL. How long will the infusion run?

1 hr / 60 min x 1 min / 33 gtt x 10 gtt / 1 mL x 250 mL /1 = 1.26 hr

13. Calculate IV flow rate for 1200 mL to be infused in six hours. Using tubing with drip factor of 20 gtt/mL. 1200 mL x 20 gtt/mL/ 360 min = 67 gtt/min

14. The patient is ordered Tylenol elixir at 325 mg per teaspoon. How many mL would the nurse administer? 1 tsp = 5 mL

15. The provider orders 2mg Dilaudid IVP and you have on hand 4mg per 2 mL. How many mL will you give? 2 mg/ 4 mg x 2 mL = 1 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) 1000 mL / 125 mL = 8 hr = 1700

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]

[a]Physician should be contacted.

19. 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 205 lb / 2.2 lb = 93 kg. What is the correct dose of medication for Mr. Smith?

    15 mg x 93 kg = 1,395 mg

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

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

23. Doctor's order says: 250 mL of Vancomycin to infuse over 45 minutes. What is the hourly rate? 250 mL / 0.75 hr = 333 mL/hr

24. Doctor's order says: 2,500 mL of D5 1/4 Normal Saline to infuse over 1 day. What is the hourly rate? 2500 mL / 24 hr = 104 mL/hr

25. Doctor's order says: 1000 mL of TPN to infuse over 36 hours. What is the hourly rate? 1000 mL / 36 hr = 28 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

1500 mL x 15 gtt/mL / 720 min = 31 gtt/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

400 mL x 10 gtt/mL / 180 min = 22 gtt/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

500 mL x 10 gtt/mL / 300 min = 17 gtt/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

3000 mL x 10 gtt/mL / 1,400 min = 21 gtt/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? 250 mg / 500 mg x 10 mL = 5 mL