

MEDICATION CALCULATION EXAM 2020

Name: _____

Date: _____

1. Physician orders Hydralazine 50mg p.o. Available is 100mg of Hydralazine tabs (scored).
How many tablets will you administer?
2. Physician orders 40mEq of KCL (Potassium Chloride). Available is 10mEq per 5mL.
How many mL will the nurse administer?
3. Physician orders 0.5g of Clindamycin. Available is 250mg capsule. How many capsule(s) will the nurse administer?
4. Physician has ordered to administer Gentamycin 4mg/kg/day IM in 4 equal doses to a client that weight's 140 pounds. Available is Gentamycin 40mg/mL. How much mL will the nurse administer?
5. Physician has ordered cefazolin 300mg IM every 8 hours. Available is Cefazolin injection 330mg/mL. How many mL will the nurse administer?
6. Physician orders to administer Protonix 60mg via IV bolus every 4hours. Available is Protonix 120mg in 100mL NSS (Normal Saline Solution) to infuse over 30 minutes. The nurse should set the infusion pump to deliver how many mL/hr?

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7. Physician orders Digoxin 0.25mg po QD. Available is Digoxin 1mg tablet (scored). How many tablet(s) will the nurse administer?
8. Physician orders Morphine suspension 50mg Q 6hr prn for moderate pain (5-7p.s.). Available is 150mg/5mL. How much mL will you administer?
9. Physician orders Kayexalate (Sodium Polystyrene Sulfonate) oral suspension 30mg Q 4hrs po. Directions for mixing: Add 100mL of water to Kayexalate suspension and mix well. Each tsp will yield 15mg of Kayexalate. How many mL will you administer?
10. Physician orders Lovenox 2mg/kg IM Daily. Available is Lovenox 110mg/mL. How many mL will you administer for a patient weighing 156 pounds?
11. Physician orders D5W 2L to run at 125mL/hr.
 - a. How many hours will it take to complete the delivery of 2L?
 - b. The D5W started infusing at 11:00am what time will the solution be completed?
12. Physician orders 4mg/kg of Amoxicillin po. The patient weight's 112lbs. How many mg of medication will the nurse administer?

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13. Patient is receiving 1L of 5% Dextrose in 0.45%NaCL IV in 8 hour period. The IV set delivers 15drops/mL. The nurse should set the flow rate to how many drops per minute?
14. Physician orders 1L D5 ½ NS to infuse over 8 hours. The drip factor is 20gtt/mL. How many milliliters will be infused every hour?
15. Physician orders to administer Flagyl 250mg in 250mL D5W. The IV set delivers 20 drops/mL. Determine the gtt/min.
16. The physician orders Vancomycin 850mg in 500mL NSS. The IV set delivers 20 gtts/mL. Determine the gtt/min.
17. Physician orders to administer 1L D5 1/2NS in 24hrs. The IV set delivers 20gtts/mL. The nurse should expect the flow rate to be how many gtts/min.
18. Physician orders NSS 1500mL to run at 75mL/hr.
- How many hours will it take to complete the delivery of 1500mL
 - The NSS was started at 0700am what time will it finish?
19. Physician orders Rocephin 50mg IV in 100mL NSS to infuse over 30min. The IV set delivers 20gtts/min. What will the gtts/min be?
20. 1tsp=_____mL

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21. 1 cup= _____ mL

22. 1 lb.= _____ kg

23. 1gm= _____ mg

24. Scored tablets means _____

25. Unscored tablet means _____