

MED MATH LESSON #2 MOD 3

1. _____ D5 ½ NS

A 0.45% Normal Saline

B 5% Dextrose in 0.45% Normal Saline

2. _____ NS

C 50% Dextrose in Lactated Ringers

3. _____ D5 ¼ NS

D 5% Dextrose in 0.9% Sodium Chloride

4. _____ D5LR

E Dextrose 5% in 0.225% Sodium Chloride

F Dextrose 5% Ringers Lactate

G 0.9% Sodium Chloride

H 5% Dextrose in 0.125% Normal Saline

5. A new order is received to reduce the current IV rate to 75 mL / hr. The infusion pump indicates 450 mL remaining to be infused. The current time is 0930. What time (military time) will the IV be completed?

6. Order: Lactulose syrup 1.5 ounces via PEG every day. How many mL of lactulose will you administer?

7. The order is 1000 mL of D5W IV over 6 hours. The drop factor of the tubing is 15gtt/mL. What would be the gtt/min.

8. The physician prescribed 25 mg of a med PO daily. A special diluent is added to yield 50mg/2mL. The nurse would administer how many mL.

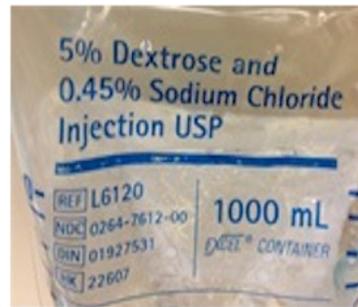
9. The order is 1000 mL of NS at 50 mL/hr. The total infusion time would be _____ hours.

10. The physician prescribed 75 milligrams of medication IM. The medication is available as 100 milligrams in 2 milliliters. How many milliliters will be administered?

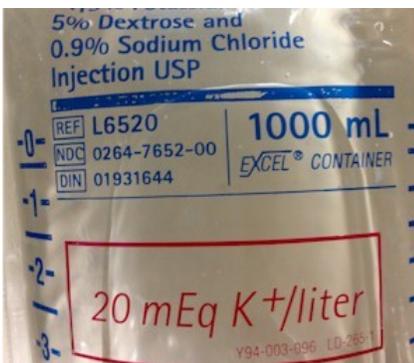
Name the IV Bags



11.



12.



13.



14.



15. What is the correct name for the IV solution above?

- Dextrose 5% in 0.45% Normal Saline + 30 mEq KCL
- Dextrose 5% 0.9% Normal Saline + 40 mEq KCl
- Dextrose 5% in 0.225% Sodium Chloride + 40 mEq KCL
- Dextrose 5% in 0.45% Normal Saline + 40 mEq KCL

16. How many mg will the patient receive if the nurse administers 1.5 tablets?



17. How many mg of augmentin are in each mL?



18. Physician ordered: cefazolin 1 gram in 100 mL of D₅W to infuse over 30 minutes. The drop factor for the IV tubing is 15 gtt / mL. How many drops per minute (gtt / min) will the patient receive?

19. Physician ordered: azithromycin 500 mg in D₅ W 150 mL to be infused over 90 minutes. What would be the rate of infusion?

20. A post-operative patient has an order for Demerol 25 mg with Phenergan 10mg IM Q 4 hours pain. Injectable meperidine hydrochloride is available at 50mg/mL and promethazine hydrochloride is available at 25mg/mL. How many *total* mL will be administered? (**No dilution**)

Perform the following conversions:

21. 123 kg is equal to _____ lb(s)

22. 1 cup is equal to _____ mL(s)

23. 20 mL is equal to _____ teaspoons

24. 2000 mcg is equal to _____ gm(s)

25. 152.3 mcg is equal to _____ mg(s)

26. The patient is scheduled to receive Thorazine 25 mg via PEG. Thorazine syrup 10 mg / 5 mL in 120 mL vial. How many mL will be administered?

27. The physician ordered azithromycin 500 mg IVPB once daily. The IV bag is labeled azithromycin 500 mg in D₅ W 250 mL to be infused over 2.5 hours. What will be the pump rate?

28. Order: Administer 750mg of med – on hand 1 gram/2ml – how many mL will be administered?

29. 99 kg = _____ lbs (round to whole number)

30. The order is cefazolin 1 gram in 100 mL of D₅W to infuse over 30 minutes. The drop factor for the IV tubing is 15 gtt / mL. How many drops per minute (gtt / min) will the patient receive?
