

1. 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?

2. The order gabapentin (Neurontin) 0.6 grams PO. The nurse has on hand gabapentin 300 mg. How many capsules will be administered?

3. The order gemfibrozil 600 mg/ tab PO a.c. b.i.d. How many tablet(s) will be administered in 24 hours?

4. The physician ordered promethazine 25 mg IM every 6 hours PRN nausea. Have on hand a multi-dose vial labeled "Phenergan 50 mg/mL." How many milliliters will administer at each dose?

5. List the 7 Medication Rights.

1. _____, 2. _____ 3. _____

4. _____, 5. _____ 6. _____

7. _____

6. The order: choline and magnesium salicylates 1500mg PO at bedtime. Choline and magnesium salicylate liquid is labeled 500mg/5 mL. How many mL will be administered?

7. Your patient exhibits difficulty swallowing pills, pharmacy sent the medication in liquid form with instructions to administer 2 tablespoons PO. How many mL(s) will be administered?

8. Order: Zyvox 500 mg IV every 12 hours.

Have on hand: Zyvox 500 mg in NS 100 mL to infuse over 1 hour. What is the rate of infusion on a pump?

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9. Order: Morphine Sulfate 3 mg IV every 2 hours PRN pain. Have on hand:
Morphine Sulfate 5mg/10mL How many milliliters will be administered for each dose?
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Perform the following conversions:

10. 72 kg is equal to _____ lb(s) (**Round to the tenth place**)
11. 5.5 cm is equal to _____ inch (es) (**Round to the tenth place**)
12. 6 ounces is equal to _____ mL(s)
13. 4 grams is equal to _____ milligrams
14. Order: Phenobarbital elixir 75mg every 8 hours. Have on hand phenobarbital elixir 15 mg/mL. How many mL will be administered?

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15. Order: 500 mL of a D5W IV over 10 hours. The drop factor of the tubing is 60 gtt/mL. How many drops per minute will the patient receive?

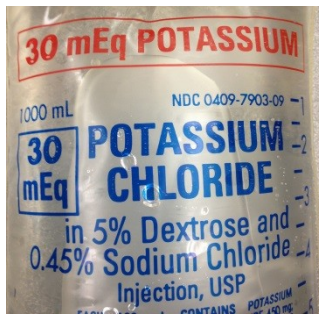
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16. Order: 1000 mL of sodium chloride over 8 hours. What would be the infuse rate on a pump?

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17. Order: 1000 mL of sodium chloride over 6 hours. The drop factor of the tubing is 15 gtt/mL. How many drops per minute will the patient receive?

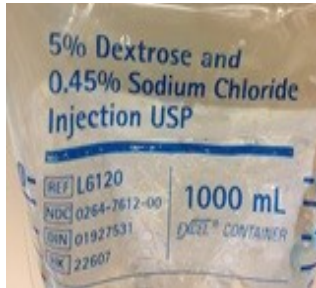
Perform the following conversions:

18. 1.8 grams is equal to _____ mg
19. 1500 mL is equal to _____ L
20. 0.75 mcg is equal to _____ mg

Write how each bag of fluid would be written as an order.



21.



22.

23. A post-operative patient has an order for Demerol 35 mg with Phenergan 12.5 mg IM Q 4 hours pain. Injectable meperidine hydrochloride (Demerol) is available as 50 mg / mL and promethazine hydrochloride (Phenergan) is available as 25 mg / mL. How many **total** mL will the nurse administer? (**No dilution**)

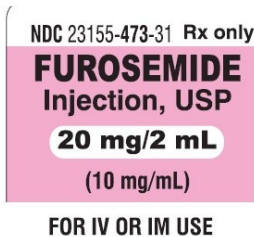
24. Order: cefotetan disodium (Cefotan) 1 gram in 150 mL NS to infuse via gravity over 1.5 hours. The drop factor is 20 gtt / mL. How many **gtt / min** will be administered? (**Round to whole numbers**)

25. 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 hours. What will be the pump rate?

26. The patient is scheduled to receive 3 teaspoons of aluminum hydroxide suspension. How many mL of aluminum hydroxide will the nurse place in the medicine cup?

27. The physician has ordered to administer ranitidine 0.15 grams. The Pyxis has available ranitidine 75 mg. How many tablets will be administered?

28. The physician has ordered to receive furosemide 40 mg slow IVP once daily. How many mL will be administered? (Do not dilute)



29. A patient with Type I diabetes has scheduled 4 units of Humilin R at 1100 daily. Orders are to administer Humilin R along with SSI (sliding scale Humilin R.) The patient's current blood sugar reading (via Accudata) is 225 mg/dl. Use the Humilin sliding scale to answer the questions.

Blood Sugar	Humilin R Sliding Scale Insulin
< 50	Give 1 amp D50 and call physician
50 - 79	Use Hypoglycemia protocol
80 - 149	No coverage
150 - 200	2 units
201 - 250	4 units
251 - 300	6 units
301 - 350	8 units
351 - 450	10 units & notify physician
>451	10 units, order STAT glucose in lab, and notify Dr.

How many total units of insulin will be administered?

30. The physician ordered cefazolin 500 mg in NS 200 mL IV over 90 minutes. What is the infusion rate on the pump?

31. From the order from above, how many mg of cefazolin are in 50mL of NS.

32. The physician ordered ciprofloxacin hydrochloride 0.5 grams PO every 12 hours. . Based on the medication box below, how many tablets (per dose) will the patient receive?

851210 NDC 0026-8512-51

CIPRO®
(ciprofloxacin hydrochloride/Miles)
Equivalent to
250 mg ciprofloxacin
100 Tablets

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"CIPRO" and "250"**

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West Haven, CT 06516

DESCRIPTION: Each tablet contains ciprofloxacin hydrochloride equivalent to 250 mg of ciprofloxacin.

DOSAGE: See accompanying literature for complete information on dosage and administration.

RECOMMENDED STORAGE:
Store below 86°F (30°C).

33. The physician has ordered piperacillin sodium & tazobactam sodium 4.5 mg every 8 hours, infuse in 30 minutes. The IVPB label reads piperacillin/ tazobactam 4.5mg/100ml. What would be the infusion rate on a pump?
