Bethel College
Fundamentals of Nursing
Math/Drug Proficiency Fall Review 2

Calculate the following problems. Unless indicated, all medications involving mL greater than 1 should be rounded to the nearest tenth. Answers in mL that are less than 1 should be rounded to the nearest hundredth. All answers involving tablets should be recorded in terms of # of tabs (or ½ tabs).

1. Asulfidine 250 mg is ordered. You have Azulfidine 500 mg tablets available. Give _____tab.

2. Synthyroid 0.15 mg is ordered. You have Synthyroid 150 mcg tablets available. Give _____tab.

3. Procan SR 1.5 g is ordered. You have Procan SR 750 mg tablets available. Give _____ tab.

4. Ceclor 374 mg is ordered. You have Ceclor 187 mg in 5 mL available. Give _____mL.

5. A dosage of Heparin 7500 units has been ordered. The strength available is 10,000 units in 1.0 mL. Give _____mL.

6. The order is gr 1/6 Morphine subcutaneous. You have Morphine 10 mg in 1 mL available. Give _____mL.

7. The order is for Gentamycin 60 mg. You have Gentamycin 80 mg in 1.4 mL available. Give _____mL.

8. The dosage strength is 240 mcg in 5 mL. Prepare a 0.2 mg dose. Give _____mL.

9. The order is for Morphine gr 1/8. You have Morphine gr 1/6 in 1 mL available. Give _____mL.

10. The order is for Atropine 0.3 mg. You have Atropine 0.4 mg per mL available. Give _____mL.

11. Penicillin G powder 1 million units requires the addition of Normal Saline prior to its IM administration. The Penicillin G vial label includes directions which could result in three different concentrations of medication.

Amount Saline Added	***Resulting Dosage Strength***
18.8 mL	250,000 units/mL
10.2 mL	400,000 units/mL
8 mL	500,000 units/mL

a. It is up to the nurse to determine how to prepare this medication. If the order is for 200,000 units as a single IM injection, which of the three strengths would you prepare? _____units/mL.

b. How much saline would you need to add to the powder in order to result in this dosage strength? _____mL.

c. How many mL of reconstituted medication would you need to draw up from this vial to provide your client with the 200,000 unit dosage? _____mL.

12. Your order: give Lasix 60 mg IV. The Lasix comes prepared as 40 mg/4 mL. How much will you draw up to give? Give _____mL.

13. You have orders to give Codeine 30 mg. The tablets come prepared with gr 1/4 per 1 tablet. How many tablets will you give?
Give _____tab.

14. You have orders to give Phenobarb gr ½ . The tablets come prepared with 15 mg per tablet. How many tablets will you give? Give _____tab.

15. You have orders to give Digoxin 0.125mg. The Digoxin comes as 250 mcg per tablet. How many tablets will you give? Give _____tab.

16. The order is for Aspirin gr 5 stat for a patient with chest pain. The tablets come prepared with 325 mg per tablet. How many tablets will you give?
Give _____tab.

17. Your patient has orders for Jevity bolus feedings 1 can (8oz) every 4 hours. Each feeding is followed with 60 mL of water. How much will you record for 1 feeding? _____mL.

18. Tagamet 0.2 g is ordered for your patient at bedtime. The tablets have 400 mg per tablet. How many tablets will you give? Give _____tab.

19. Your patient has KCL 35 meq ordered bid. The medication comes prepared with 40 meq in 20 mL. How much will you administer? Give _____mL.

20. The patient has orders for Atropine gr 1/150. The label reads Atropine 0.2 mg/mL. How much will you administer? Give _____mL.

21. The patient has orders for Thyroid elixir gr 1/4. The medication comes prepared with 25 mg per 5 mL. How much elixir will you give? Give _____mL.

22. gr 15 = _____mg.

23. 2 tsp = _____mL.

24. 3 oz = _____mL.