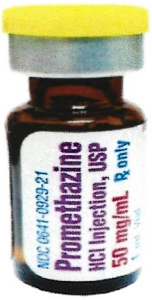
Amanda Welker

N322 Med Math Quiz 1 spr 23

1. The nurse is caring for a client with a prescription for promethazine 25mg intramuscularly. The nurse has obtained the vial below from the pyxis machine. How many mL(s) of the medication will the nurse administer? **(Round your answer to the nearest tenth of a mL. Use a leading zero if it applies. Do not use a trailing zero).**



$mL = \frac{mL}{50mg} \times \frac{25mg}{1} = \frac{25}{50}$

0.5 mL(s)

2. The provider has ordered ketorolac 30mg intramuscularly. The nurse obtains the vial of ketorolac pictured below. How many mL will the nurse administer to the client? **(Round to the whole number if needed).**

$mL = \frac{2mL}{60mg} \times \frac{30mg}{1} = \frac{60}{60}$

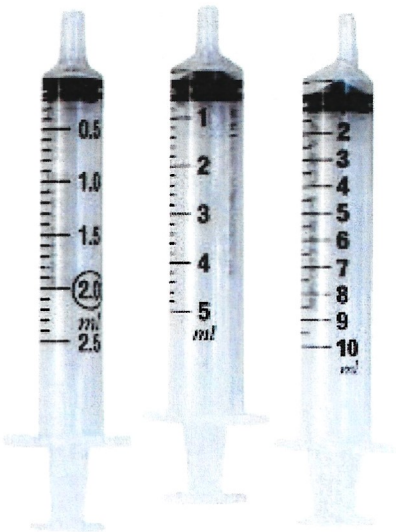
1 mL(s)

3. The nurse is calculating intake from a client's lunch tray. Intake includes an 8-ounce coffee cup. 16 ounces of milk. 4 ounces of juice and 8 ounce cup of ice chips. What will the nurse document as this client's liquid oral intake for lunch? **(Documentation should be in mL)**

960 mL

coffee - 240mL
milk - 480 mL
120 - ice chips
120 - juice

4. The nurse is preparing to administer 3.75 mL of liquid acetaminophen. Which syringe will the nurse use to administer this medication?



A. 2.5 mL syringe

B. 5 mL syringe

C. 10 mL syringe

D. A household tablespoon

1 .A nurse is preparing to administer amoxicillin 400mg by mouth every 12 hours. The available medication is pictured below. How many mL(s) should the nurse administer per dose? **(Answers should be rounded to the nearest whole number, if applicable)**

16 mL(s)

$mL = \frac{5mL}{125mg} \times \frac{400mg}{1} = \frac{2000}{125}$

N322 Med Math Quiz 1 spr 23

6. The provider has ordered furosemide 40 mg intravenous push now. Use picture below to determine how many mL(s) of furosemide will be drawn up to give? **(Round your answer to the nearest tenth of a mL. Use a leading zero if it applies. Do not use a trailing zero.)**

$mL = \frac{mL}{10mg} \times \frac{40mg}{1} = \frac{40}{10} =$

4 mL(s)

7. The provider prescribed 30mg of diltiazem to be administered as an intravenous bolus. The available dosage is pictured below. How many mL(s) of diltiazem would the nurse administer? **(Round to the whole number if needed)**

$mL = \frac{mL}{5mg} \times \frac{30mg}{1} = \frac{30}{5} =$

6 mL(s)

8. The nurse is caring for a client with a prescription for 0.65 grams of acetaminophen suppository as needed for fever greater than 39 degrees Celcius. The client's temperature is 39.6 degrees Celcius. The available dosage of the medication is pictured below. How many suppositories would the nurse administer?

$$Supp = \frac{1\,supp}{325\,mg} \times \frac{1000\,mg}{1g} \times \frac{0.65g}{1} = \frac{650}{325}$$

2 suppositories

9. The provider has ordered 15,000 micrograms (mcg) of a medication to be administered. How many milligrams (mg) of the medication will be administered?

15 mg(s)

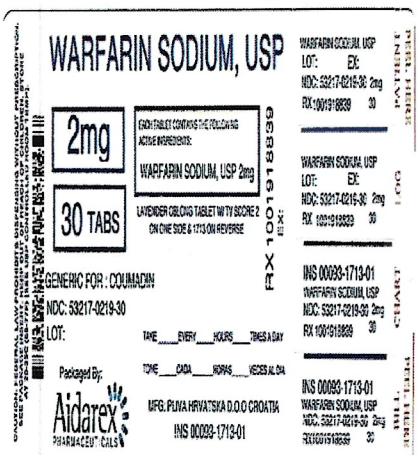
$$mg = \frac{1mg}{1000mcg} \times \frac{15000\,mcg}{1} = \frac{15,000}{1,000}$$

10. The nurse is preparing to administer a dose of 125 mg of methylprednisolone acetate. The following is a picture of the vial the nurse will be drawing the medication out of. How many mL(s) will the nurse administer?**(Round your answer to the nearest tenth of a mL. Use a leading zero if it applies. Do not use a trailing zero.)**

$$mL = \frac{5mL}{200mg} \times \frac{125\,mg}{1} = \frac{625}{200} = 3.125$$

3.1 mL(s)

11. The provider has ordered warfarin 5 mg by mouth daily. The available dosage form is pictured. How many tablets should the client receive daily? **(Do not use a trailing zero. Use a leading zero if it applies. Round to the nearest half tablet.)**



$$\text{tabs} = \frac{1\ \text{tab}}{2\text{mg}} \times \frac{5\text{mg}}{1} = \frac{5}{2}$$

2.5 tablet(s)

12. The nurse is preparing to administer digoxin 50 mcg by mouth. The available dosage is pictured below. How many mL(s) of the medication will the nurse administer? **(Round your answer to the nearest whole number. Do not use a trailing zero.)**

$$\text{mL} = \frac{5\text{mL}}{0.25\text{mg}} \times \frac{1\text{mg}}{1000\ \text{mcg}} \times \frac{50\ \text{mcg}}{1} =$$

$$\frac{250}{250}$$

1 mL(s)

13. The nurse is caring for a client who has orders for insulin aspart to be administered by sliding scale **ac**. In ensuring the rights of medication administration are followed, when should the nurse give this medication? A. At bedtime

B. Before meals

C. In the morning

D. As needed

14. The nurse is documenting the administration of a medication. All administration times must be recorded in **military time**. The medication was administered at 8:57 pm. What will the nurse document in the medication administration record for the time of administration?

2057

15. A nurse is preparing to administer amoxicillin 250 mg PO every 8 hour. The amount available is amoxicillin 125 mg tablets. How many tablets should the nurse administer with each dose? **(Round the answer to the nearest whole number. Use a leading zero if it applies. Do not use a trailing zero.)**

2 tablet(s)

$\frac{250}{125}$