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## Medication Math Packet #3

Due Date: \_\_\_\_\_

08/31/21

Time: \_\_\_\_\_ 1730

### Instructions

1. Complete the packet.
2. Use the separate Answer Sheet to record your answers.
3. Turn in the Answer Sheet **only** to Mrs. Dutton by due date and time.
4. You can turn it in prior to the official due date.
5. **Required score - 80%.**

# Instructions

**1. Use the Answer Sheet to record your answers. It is provided in another part of the lesson.**

**2. If there are no rounding instructions with a question, utilize the rounding rules from the class presentation.**

**3. When documenting your answers:  
As applicable, remember to record the vehicle (mg, mL, oz, etc.) with the answer.**

**4. Place your answer sheet in Dropbox 3 - August 31, 2021.**

**5. You can turn it in prior to the official due date.**

**No minimum score is required for this packet.**

## **For MAC users:**

Save the form in Rich Text Format (RTF) so I can open it. If needed, here are instructions.

### **When saving the completed Word document:**

- a. Click on the “Save as Type” drop-down menu**
- b. Click the “Save as Type” drop-down menu**
- c. Click the “Rich Text Format” option.**
- d. Save the file and place in the dropbox.**

# Instructional Module 1

## Medication Math Packet

1. A provider wrote an order for an oral medication.  
Order: Administer medication 0.2 g daily  
Available: medication 100 mg scored tablets  
How many tablets should be given per dose?
  
2. Order: Administer medication 25 mg po BID  
Available: medication 50 mg scored tablets  
What is the volume of tablets to be administered per day? Round to 10ths.

### Use the following information for questions #3-#5

Administer: 4 mg / kg/dose PO every 6 hours prn pain scale 6 or greater

On hand: 50 mg/capsule

Patient's weight: 143 lbs

3. How many mg per dose?
4. How many capsules per dose?
5. How many capsules per day?
  
6. Administer: medication 200 mg po BID  
Available: medication 0.05 g/capsule  
What is the quantity of capsules per dose?
  
7. Order: Tetracycline syrup 500 mg po daily  
Available: Tetracycline syrup 0.25 g/mL  
How many mL will the patient take each day?

**Use the following information for questions 8. to 9.**

Order: Meperidine 50 mg IM q 4 hours prn pain greater than 6 on pain scale 1-10

Available: 40 mg/mL

8. How many mL are given for one dose?
9. If the medication is administered every 4 hours for a day, how many mg would be administered?
10. If the medication is administered every 4 hours for a day, how many mL would be administered?

**Use the following information for questions 11. to 13.**

Order: Administer medication 50 mg/kg po TID to a child who weighs 56 lbs

Available: Medication oral suspension – 100 mg/mL

11. How many mg should be administered per dose?
12. How many mL should be administered per dose?
13. How many mg should be administered per day?
14. Administer chlorpromazine 16 mg X 1 dose  
Available: chlorpromazine 5 mg /5 mL  
What volume should be administered?
15. Administer atropine 0.4 mg IM now  
Available: atropine 0.2 mg/0.5 mL

What volume should be administered?

16. Order: Administer 2.5 mg of a medication daily subcutaneously  
Available: 4 mg/5 mL.  
What quantity of mL delivers the dose for this patient?
  
17. Available: 50 mg/ scored tablet  
Order: 75 mg PO TID  
How many tablets are required to deliver one dose?
  
18. Order: 50 milligrams of amoxicillin trihydrate orally tid  
Available: 125 mg/5 mL syrup  
How many mL should the nurse administer per dose?
  
19. Order: Medication 600 mg IM x 1 now  
Available: Medication 350 mg/mL  
How many mL should the nurse administer for the dose?
  
20. Order: Medication 0.8 mg/kg/dose po TID daily for a child weighing 30 lbs  
Available: Medication oral suspension 10 mg/mL  
How many mL should the nurse administer per dose ?

