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## Medication Math Packet #3

Due Date: Monday, 6-7-21

Time: 1600

### 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%.*

# Instructional Module 1

## Medication Math Packet

### Use this information for Questions #1 and #2

Order: 750 mg of a medication to be given in 3 equally divided doses daily  
Available: 125 mg / scored tablet

1. How many tablets should be given per dose?
2. How many tablets should be given in 24 hours?
3. Administer: medication 2.5 g PO daily in 3 equal doses  
What is the amount of mg in each dose?
4. Administer: medication 8.5 mg PO daily  
Available: 10 mg/5 mL  
What is the quantity of mL per dose?
5. Order: Administer 3 Levothyroxine sodium tabs PO daily. Available:  
75 mcg/tablet.  
How many mg will the patient take each day?

### Complete these conversions: Questions - #6 and 7

6. 0.05 L = \_\_\_\_\_ mL
7. 25 kg = \_\_\_\_\_ g
8. Order: bupropion SR 50 mg PO bid  
Available are 100 mg tablets.  
How many tablets per dose?
9. Available: acetaminophen 160 mg /5 mL  
Order: acetaminophen 480 mg PO every 4 hours PRN fever greater  
than 100.4° What volume should be administered for a single dose?
10. Administer Morphine 7.5 mg IM now  
Available: Morphine 10 mg/mL  
What volume should be administered?
11. Order: Vasotec 10 mg PO BID

Available: Vasotec 2.5 mg/tablet

How many tablets should be administered for the day?

12. Administer chloral hydrate 200 mg X 1 dose  
Available: chloral hydrate 250 mg/mL  
What volume should be administered?
13. Administer acetaminophen 500 mg X 1 dose  
Available: acetaminophen 200 mg /3.5 mL  
What volume should be administered?
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 is order 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/tablet  
Order: 75 mg PO TID  
How many tablets are required to deliver the dose for the entire day (24 hours)?
18. Order: 50 milligrams of amoxicillin trihydrate orally tid  
Available: 125 mg/5 mL syrup  
How many mL should the nurse administer per dose?

Use this information for Questions #56 to #62

NDC 0093-4150-80  
**AMOXICILLIN**  
 for Oral Suspension USP  
 equivalent to  
**125 mg per 5 mL**  
 amoxicillin when reconstituted according to directions.

**Usual Dosage: Adults** — 250 mg - 500 mg every eight hours, depending on type and severity of infection.  
**Children** — 20 mg - 40 mg/kg/day in divided doses every eight hours, depending on type and severity of infection.

**Rx only**  
 See accompanying literature.  
**WARNING: NOT FOR INJECTION**

**150 mL (when mixed)**

**TEVA**

Amoxicillin trihydrate equivalent to 2.25 g amoxicillin.  
 Store powder at 25°C (68° to 77°)  
 (See USP Controlled Room Temperature requirements) and excipients in the container.  
**TO THE PHARMACEUTIST:** Prepare suspension at time of dispensing. Add to the bottle a total of 113 mL of water. For use in preparation, tap bottle to loosen powder, add the water in two portions, shaking well after each addition. The resulting suspension will contain amoxicillin trihydrate equivalent to 125 mg amoxicillin in each 5 mL (teaspoonful).  
 Oversized bottle permits shaking space.

**IMPORTANT**  
 When stored at room temperature or in refrigerator discard unused portion of reconstituted suspension after 14 days.  
 Date of reconstitution: .....  
 Shake well before using. Keep tightly closed.  
 KEEP THIS AND ALL MEDICATIONS OUT OF THE REACH OF CHILDREN.

Manufactured in Canada by:  
 NOVOPHARM LIMITED  
 Toronto, Canada M1B 2K9  
 Manufactured For:  
 TEVA PHARMACEUTICALS USA  
 Sellersville, PA 18960  
 Rev. E 7/2006

- A. Not for injection
- B. 125 mg/5 mL
- C. 113 mL
- D. Room temperature, discontinue after 14 days, shake well
- E. Water
- F. 150 mL
- G. Liquid - oral suspension

Match the answers - A. to G. - with the numbered question

- 19. Form \_\_\_\_\_
- 20. Volume used to dilute \_\_\_\_\_
- 21. Mix with this diluent \_\_\_\_\_
- 22. Dosage strength when reconstituted \_\_\_\_\_
- 23. Total volume when reconstituted \_\_\_\_\_
- 24. Warning \_\_\_\_\_
- 25. Instructions \_\_\_\_\_