

Math Packet 2

1. Administer: medication 2.5 g PO daily in 3 equal doses
What is the amount of mg in each dose?
Round the final answer to the 10ths.
2. Order: Administer heparin 10,000 units SQ daily
Available: heparin 6,000 units/0.5 mL
What is the volume of medication to be administered? Round to 100ths.
3. Order: Administer medication 3 g q 12 hours
Available: medication 750 mg scored tablets.
How many tablets should be given per 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?
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?
Round to the 10ths.

Use this information for Questions #14 to #20

The image shows the product label for Amoxicillin Oral Suspension USP. The label includes the following information:

- 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** logo
- Amoxicillin trihydrate equivalent to 37.5 g amoxicillin. Store dry powder at 20° to 25°C (68° to 77°F). [See USP Controlled Room Temperature.]
- TO THE PHARMACEUTIST:** Prepare suspension at time of dispensing. Add to the bottle a total of 150 mL of water. For ease 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).
- Over-sized 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 Sheltonville, PA 19380
- Rev. E 7/2006
- Barcode: N 0093-4150-80 3

- 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

- 14. Form _____
- 15. Volume used to dilute _____
- 16. Mix with this diluent _____
- 17. Dosage strength when reconstituted _____
- 18. Total volume when reconstituted _____
- 19. Warning _____
- 20. Instructions _____