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## Medication Math Packet #4

Due Date: Tuesday, 9-7-21

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%.**

# Instructional Module 1

## Medication Math Packet

### Use the information for questions #1 to #4

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Order: Administer cloxacillin 25 mg/kg/day IV q 6 hours

Available: 500 mg / 10 mL

Patient's weight: 44 lbs

Label warning: do not exceed 2500 mg per day

1. What are the mg for the dose?
2. What is the quantity of mL per dose?
3. What is the quantity of mg per day?
4. Is the dose safe?

### Use the information for questions #5 to #6

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Order: Diazepam 2 mg TID

Available: Diazepam 4 mg / scored tablet

5. What is the number of tablets to be given per dose?
6. What is the total number of tablets to be given per day?

### Use the information for Questions #7 to #9

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Administer amoxicillin suspension 1 tsp TID X 7 days

Available: amoxicillin suspension 250 mg / mL

7. How many mg per dose?
8. How many mL per day
9. How many oz are required for the prescription?

### Use the information for Questions #10 to #11

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Administer Cephalexin 500 mg PO BID for 10 days

Available: Cephalexin 250 mg / capsule

10. How many capsules should be administered daily?
11. How many capsules should be dispensed for the entire prescription?

**Use this information to answer Questions #12 to #15**

An adult patient weighing 134 lb has an order for an antibiotic. The recommended dose range is 80-120 mg/kg/day to be given in 3 divided doses.

12. What is the patient's weight in kg?
13. What are the range doses?
14. What amount of medication would be administered for the lowest range single dose?
15. What is the highest dose in mg the patient can have in one full day?
16. Order: zidovudine 0.2 g PO every 4 hours as needed for symptomatic HIV  
Available: 100 mg scored tablets  
How many tablets are needed to deliver the dose?
17. Order: levofloxacin 250 mg PO daily  
Available: levofloxacin 0.25 g/0.5 mL  
What is the quantity of mL for the daily dose?

18.

NDC 63323-282-04 28204	
<b>CLINDAMYCIN</b>	
<b>INJECTION, USP</b>	
<b>600 mg/4 mL</b>	
<b>(150 mg/mL)*</b>	
<b>For IM or IV Use</b>	
<b>DILUTE BEFORE IV USE</b>	
<b>4 mL Single Dose Vial</b>	
Rx only	
Sterile	*Each mL contains clindamycin phosphate equivalent to 150 mg clindamycin, 0.5 mg disodium edetate and 9.45 mg benzyl alcohol as a preservative. When necessary, pH adjusted with sodium hydroxide and/or hydrochloric acid.
Usual Dosage: See package insert.	<b>Warning:</b> If given intravenously, must be diluted before use.
Store at 20° to 25°C (68° to 77°F) [see USP Controlled Room Temperature].	<b>Do not refrigerate.</b>
Vial stoppers do not contain natural rubber latex.	
<b>Abraxis</b> Pharmaceutical Products Schaumburg, IL 60173	402129A
LOT/EXP	
 3 63323-282-04 2	

Order: Administer clindamycin 250 mg q 12 hours

What is the quantity of mL to deliver a single dose?  
Round to the 10ths.

19. Order: 20,000 units heparin IV in 250 mL to infuse at 25 units/kg/hr  
The patient weighs 184 lbs.  
How many units per hour will the patient receive?

20. The prescriber orders Vincasar 3 mg IM BID.  
What volume of mL should the nurse administer per day?

20. Administer oral captopril 300 mcg / kg TID  
Patient's weight: 46 lbs  
On hand: oral elixir - captopril 0.1 mg / mL  
How many mL are administered per dose? Per day?