NOTE: Items #1 - 33 are worth 3 points each. Item #34 is worth 1 point. Show Your Work. Points will be deducted for the improper expression of zeros, inappropriate rounding of numbers or lack of work shown.

1. 0.75 L = _________ mL
2. 220 pounds = _________ Kg
3. 0.5 tsp = _________ mL
4. 0.25 mg = _________ mcg
5. 1/3 = _________
6. 30% of 150 = _________

7. A client drank 6 ounces of coffee and 4 ounces of apple juice with breakfast. This is equivalent to _________ mL.

Items 8 and 9 relate to the drug label below.

8. The trade name of the drug is ________________
9. The generic name of the drug is ________________.

Items 10 and 11 relate to the drug label below.
10. What is the size of the container? __________

11. What is the concentration of the dosage? __________

12. Which of the following dosages is written in the correct numeric form to reduce errors?

   A. atropine 0.3 mg  
   B. digoxin .125 mg  
   C. milk of magnesia 15.0 mL  
   D. levothyroxine 0.250 mg

13. A medication in suspension form is prescribed. The dose calculates to 30 mL. The most accurate way to deliver this dose is to administer it in a

   A. medicine cup.  
   B. teaspoon.  
   C. tablespoon.  
   D. tuberculin syringe.

14. A parenteral dosage calculates to 2.5 mL. The appropriate syringe to use for this dosage is the

   A. 5 mL syringe.  
   B. 3 mL syringe.  
   C. tuberculin syringe.  
   D. insulin syringe.
15. An alert and oriented client is refusing to take a medication with the morning med pass. The initial action by the nurse is to

A. immediately return the medication to the medicine room.
B. determine the reason the client is refusing the medication.
C. hide the medication in some food on the breakfast tray.
D. tell the client that serious illness will result if the medicine isn't taken.

Calculating Dosages for Oral Medications

16. Ordered: prednisone 5 mg PO every day. **Available:**

![](image1)

Administer __________ tab(s) per dose.

17. Ordered: hydrocortisone (Cortef) 40 mg PO every day. **Available:**

![](image2)

Administer __________ mL per dose.
18. Ordered: nifedipine (Procardia) 20 mg PO every day. **Available:**

![Procardia](image1)

Administer _________ cap(s) per dose.

19. Ordered: triazolam (Halcion) 0.25 mg PO at bedtime PRN. **Available:**

![Halcion](image2)

Administer _________ tab(s) per dose.
20. Ordered: fluoxetine (Prozac) 60 mg per PEG tube every day. **Available:**

Administer __________ mL per dose.

21. Ordered: cefixime (Suprax) 8 mg per Kg daily per PEG tube. The client weighs 40 Kg. **Available:**

Administer __________ mL per dose.

**Calculating Dosages for Parenteral Drugs** (Please Show Work)

22. Ordered: phenytoin (Dilantin) 50 mg IM stat. **Available:**

Administer __________ mL.
23. Ordered: heparin 3,500 Units sub-cu q 12 h. **Available:**

![Heparin Sodium Injection, USP](image1)

Administer __________ mL per dose.

24. Ordered: furosemide (Lasix) 40 mg IV push stat. **Available:**

![Furosemide Injection, USP](image2)

Administer: __________ mL
25. Ordered: cefazolin (Kefzol) 450 mg IM q 8 h. **Available:**

Administer __________ mL per dose.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>IM or IV bolus injection</td>
<td>3.0 mL</td>
<td>3.6 mL</td>
<td>280 mg/mL</td>
</tr>
<tr>
<td>1 gram</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>IV infusion</td>
<td>10 mL</td>
<td>10.6 mL</td>
<td>95 mg/mL</td>
</tr>
<tr>
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<td></td>
</tr>
<tr>
<td>2 gram</td>
<td></td>
<td></td>
<td>180 mg/mL</td>
</tr>
</tbody>
</table>

Stable for 18 hours at room temperature or seven days if refrigerated.

26. Ordered: ceftazidime 840 mg IM q 6 h. **Available:** Vial of ceftazidime 1 gram with the following label on it.

Administer __________ mL per dose.
27. Ordered: oxacillin (Prostaphlin) 350 mg IM q 6 h. **Available:**

Administer: __________ mL per dose.

For items #28 – 32 write the dosage that the arrow on each syringe indicates in the space provided to the right of the item number.

28. ________ mL

29. ________ mL

30. ________ mL
31. _______

32. _______ Units

33. _______ Units

34. Round 1.356 to the tenth place _____________ (Worth 1 point)

05/2013