Calculate the following problems. Unless indicated, all medications involving mL greater than 1 should be rounded to the nearest tenth. Answers in mL that are less than 1 should be rounded to the nearest hundredth. All answers involving tablets should be recorded in terms of # of tabs (or ½ tabs).

1. 15 mL = _______________ oz.

2. 60 mg = gr______________.

3. 4 t = _________________ mL.

4. Prepare 660 mg of Duroquin. The tablets available are 330 mg. Give _______________ tab.

5. Glubionate -Ca syrup has a strength of 300 mg per 15 mL. Prepare a 0.5 g dosage. Give _____________ mL.

7. Prepare a 25 mEq dosage of KCL (Potassium chloride) from a strength of 40 mEq per 30 mL. Give ______________mL.

8. The heparin solution available is 2500 units per mL. Draw up 1500 units dosage. Give ______________mL.

9. Prepare a gr 3/4 dosage of IM codeine from a solution with a strength of gr 1/2 per ml. Give ______________mL.

10. Ampicillin powder requires the addition of Saline prior to its IM administration. The label includes directions which could result in 3 DIFFERENT concentrations of this medication.

   IT IS UP TO THE NURSE TO DETERMINE HOW TO PREPARE THIS MEDICATION FOR ADMINISTRATION.

<table>
<thead>
<tr>
<th>Amount Saline Added</th>
<th>Resulting Dosage Strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>19.8 mL</td>
<td>100 mg/mL</td>
</tr>
<tr>
<td>16 mL</td>
<td>125 mg/mL</td>
</tr>
<tr>
<td>10.4 mL</td>
<td>300 mg/mL</td>
</tr>
</tbody>
</table>

   A. The order is for a single IM dose of 200 mg. Which of the three dosage strength would you prepare? _____ mg/mL.

   B. How much saline would you add in order to result in this dosage strength? ______________ mL.

   C. How many mL of reconstituted medication would you need to draw up from this vial to provide your client with the 200 mg dose? _____ mL.
11. Aventyl 20 mg oral solution is ordered. Solution strength is 10 mg in 5 mL. Give ______________mL.

12. The order is for Atropine 0.4 mg subcutaneous on call to surgery. Available is Atropine gr 1/200 per 2 mL. How many mL will you give? ______________mL.

13. The physician orders Keflex 1 gram stat, then 500 mg qid. The Keflex you have is Keflex 500 mg capsules. How many capsules will you give for the stat dose? ______________cap.

14. Codeine Tablets have a strength of 30 mg. Prepare a gr ¼ dosage. Give ______________tab.

15. The order is for Aminophyllin 300 mg PO. The stock Aminophyllin is 0.1 g tablets. How many tab will you need to give the client? ______________tab.

16. The physician has ordered Feosol Elixir 300 mg PO. You have Feosol Elixir 220 mg/5 mL. How many mL will you give? ______________mL.

17. The physician ordered Erythromycin 150 mg PO. The label states: Erythromycin 0.75 g/5 mL. How many mL should be administered? ______________mL.
18. Your client has a gastrostomy tube and is receiving 4 oz feeding every 4 hours which is followed by 30 mL water flush each time. How many mL will this client receive in 1 feeding? ______________mL.

19. The order is for PenVeeK 600,000 units per os (per mouth). You have 250 mg (400,000 units) per 5 mL. How many mL will you give? ___________ mL.

20. Ceclor 175 mg PO is ordered q 8 hours. The label states: Ceclor 250 mg/5 mL. How many mL should be administered? ___________ mL.

21. You have orders to give Digoxin 0.125mg. The ampule comes labeled 500 mcg per 2 mL. How much will you administer? ___________ mL.

22. You have orders to give Synthroid 0.3mg. The tablets come labeled 150 mcg. How many will you administer? ___________ tab.