Delgado Community College  
Charity School of Nursing  
New Orleans, Louisiana  
PRACTICE  
Drug Dosage Calculation Examination  
Answers

1. 0.75 L = ___750___ mL  
2. 220 pounds = ___100___ Kg  
3. 0.5 tsp = ___2.5___ mL  
4. 0.25 mg = ____250___ mcg  
5. 1/3 = 0.333  
6. 30% of 150 = ______45___  
7. A client drank 6 ounces of coffee and 4 ounces of apple juice with breakfast. This is equivalent to ___300___ mL.

Items 8 and 9 relate to the drug label below.

![Drug Label Image]

8. The trade name of the drug is _____Micronase_____.  
9. The generic name of the drug is ____glyburide_____.
10. What is the size of the container? ____120mL____

11. What is the concentration of the dosage? ____160mg/5mL____

The correct answer for numbers 12 – 15 are in BOLD and UNDERLINED.

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:**

![Prednisone Tablets](image)

Administer _____2_____ tab(s) per dose.

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

![Cortef](image)

Administer _____20_____ mL per dose.
18. Ordered: nifedipine (Procardia) 20 mg PO every day. **Available:**

   ![Procardia 10 mg Capsules](Image Link)

   Administer ____2____ cap(s) per dose.

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

   ![Halcion 0.25 mg Tablets](Image Link)

   Administer _____1____ tab(s) per dose.

20. Ordered: fluoxetine (Prozac) 60 mg per PEG tube every day. **Available:**
Administer 15 mL per dose.

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

Administer 16 mL per dose.

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

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

Administer 1 mL.
23. Ordered: heparin 3,500 Units sub-cu q 12 h. **Available:**

Administer ___0.7____ mL per dose.

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

Administer: _______4_____ mL
25. Ordered: cefazolin (Kefzol) 450 mg IM q 8 h. **Available:**

Administer ___2____ mL per dose.

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

Administer ___3____ mL per dose.

27. Ordered: oxacillin (Prostaphlin) 350 mg IM q 6 h. **Available:**
Administer: ___2.1____ 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. ___1.7___ mL

29. ___2.2 or 2.3___ mL

30. ___0.44 or 0.45___ mL
31. __0.12 or 0.13____ mL

32. __21____ Units

33. __2____ Units

34. Round 1.356 to the tenth place __1.4______

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