



**COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC HEALTH**

Medication Calculation Practice Examination

The medication calculation examination consists of 31 questions for Registered Nurses and 25 questions for Licensed Vocational Nurses of dosage calculations, I.V. rates and patient rights. You will have one (1) hour in which to complete the examination. A score of 80% (25 correct) for Registered Nurses and (20 correct) for Licensed Vocational Nurses is required to pass the examination. The following examples are representative of questions asked on the examination:

1. The order is for 200 mg. The label reads 250mg /5ml. You would give ____ml(s).
2. The order is for 60 mg. The label reads gr. 1 per tablet. You would give ____tablet(s).
3. The order is for 60 ml. You would give ____tablespoon(s).
4. The order is for 60mg. The label reads 60 mg/2 ml. You would give ____ml.
5. The order is for 1000 ml. of I.V. solution to be infused at 125 ml/hr. You would infuse the solution for ____hours.
6. The order is for 6000 ml of IV solution to run over a 24 hour period. The drop factor of the I.V tubing is 10 gtts/ml. You would infuse ____gtts. /min.
7. Your patient weighs 75 kg and you are ordered to infuse 250 mg dobutamine in 500 ml NS at 10 mcg/kg/min. How many milligrams of dobutamine will infuse per hour?



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8. The order is 500 mg of Rocephin to be taken by a 15.4 lb infant every 8 hours. The medication label shows that 75-150 mg/kg per day is the appropriate dosage range. How much will the patient receive per day? Is this within the normal range?

9. The order is Solumedrol 3mg/kg for a child weighing 20 kg. Solumedrol is available as 125 mg / 2 ml. How many ml(s) must the nurse administer?

10. The order is: KayCiel 30 mEq PO Bid pc.

Available: KayCiel 45 mEq/15 ml.

How many ml of KayCiel should you administer?

11. The order is for 25 mg. The label reads 75mg/ml. How many ml(s) would you give?

12. The order is for 1.5 g The label reads 1 tablet equals 3 g How many tablet (s) would you give?

13. The order is for 400mcg of thyroxin. The label reads 0.2 mg tablets.

How many tablets would you give?

14. The order is: Penicillin G 1.2 million units IM daily.

Available: Penicillin G 9 million units/1 ml.

How many ml(s) will you give?

15. Convert 75 lbs into kg