

## LVN Med Calc (12 Questions) Quiz KEY

1. Administer Dobutamine 250 mg in 100 mL of D<sub>5</sub>W at 15 mcg/kg/min

Patient Weight: 120 lb

Calculate the flow rate in milliliters per hour. (Round to the nearest tenth). \_\_\_\_\_

19.6

2. The medication order: Administer a Lidocaine continuous infusion at 2 mg/min via infusion pump.

Available: IV of 500 mL D<sub>5</sub>W with 2 g Lidocaine added.

What will be the hourly rate for the infusion pump? \_\_\_\_\_

30

3. The medication order: Give an IV bolus of Lidocaine 150 mg. The nurse has available Lidocaine 25 mg/2 mL.

How many mL should the nurse administer? \_\_\_\_\_

12

4. Heparin 25,000 units in 500 mL, infuse 4000 units/hr

How many mL per hour do you need to infuse to deliver 4000 units/hr?

80

5. The medication order: Administer chloramphenicol (Chloromycetin) 25 mg/kg/day in two equally divided doses. A premature infant weighs 2000 g. How many mg will the infant receive per dose?

25

6. The medication order: Administer diazepam (Valium) 0.2 mg/kg IV STAT. The infant weighs 17 pounds.

Available: multidose vial labeled Valium 5 mg/2 mL. How many mL will the nurse administer? Round to nearest tenth

0.62

7. The medication order: Administer cephalexin (Keflex) 35 mg/kg/day. The child weighs 54 pounds. Available: Keflex Oral Suspension 250 mg/5 mL. If given three times daily, how many mL will the nurse administer per dose? Round to the nearest tenth

5.7

8. Your patient weighs 28 kg. The nurse is to administer 30 mg/kg/day. How many milligrams will the nurse give in each dose if the medication is given every 6 hours?

210

9. An infusion pump is to administer 1500 mL over the next 12 hours.

At what rate will you set the pump?

125

10. Order: Megestrol acetate (Megace) 160 mg, PO, in four divided doses. Using the following label, how many tablet(s) should the patient receive per dose? \_\_\_\_\_2\_\_\_\_\_

LOT  
Exp.



See package insert for indications and dosage schedule. Dispense in tight container as defined in USP.

NSN 6505-01-208-6253

100 TABLETS

NDC 0015-0595-01

**MEGACE**<sup>®</sup>  
(megestrol acetate  
tablets, USP)

CAUTION: FEDERAL LAW PROHIBITS  
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11. Doctor orders Amoxil for a child that weighs 63 lbs. The safe dosage range for this medication is 50 mg/kg/day every 8 hours. What is the safe dose for this child per dose? Round to the nearest tenth.

- A. 2118.8 mg/dose
- B. 47.9 mg/dose
- C. 1187.3 mg/dose
- D. 476.7 mg/dose

Answer D

12. Dopamine is infusing at 26 mL/hour. Client weighs 150 lbs. The bag contains 200 mg of Dopamine in 250 mL D5W. How many mcg/kg/min are infusing? Round to nearest whole number

5 mcg/kg/min