Day 1 Math KEY

1. Administer buspirone (Buspar) 2.5 mg PO TID daily
   Available: buspirone (Buspar) 40 mg/5 mL
   How many ml will the nurse deliver per dose? Round to the nearest tenth.
   0.3 mL

2. Administer chloral hydrate 200 mg X 1 dose
   Available: chloral hydrate 250 mg/mL
   What volume should be administered? Round to the nearest tenth.
   0.8

3.  66 lb           =    30 kg
4.  10 mg           =    10,000 mcg
5.  50,000 mcg      =    50 gram
6.  5000 g          =    5 kg

7. Order: Give 30 mg Diphenhydramine IM now.
Available: 50 mg/mL
Patient's weight: 27.2 lbs
The range for Diphenhydramine is 1-2 mg/kg. Is the dose ordered a safe dose for the patient?
0.6 mL

8. The nurse is to administer 0.4 mg/kg/dose of a medication
   Patient's weight: 88 lbs
   Available: 2 mg/0.5 mL
   How many mL should the nurse administer?    16 mL/dose

9. The nurse is to administer 1500 mL of IV fluid over the next 12 hours per IV pump. What rate will the nurse set the pump?   125 mL/hr

10. An order has been written to give cefazolin 1gram over 30 minutes. The drug is supplied as 1 gram/50mL. The tubing gtt factor is 60 gtt/mL. How many gtt/min should the nurse infuse?
100 gtts/min

11. A nurse is to administer ceftriaxone 1 gram over 45 minutes. The drug is supplied as 1gram/50ml. The tubing drip factor is 15 gtt/mL. How many gtt/min should the nurse infuse?
16.67 or 17 gtt/min

12. A nurse is caring for a client who has a new prescription for enoxaparin 1.5mg/kg/dose subcutaneous every 12 hr. The client weighs 200 lbs. How many mg should the nurse administer per dose? (Round the answer to the nearest whole number. Enter number only.)   136 mg

13. A nurse is preparing to administer 12 mg of a medication IM divided into 4 equal doses. The amount available is 4 mg/mL. How many mL should the nurse administer per dose? (Round to the nearest tenth. Use a leading zero if it applies. Do not use a trailing zero. Enter numbers only.) 0.8 mL/dose

14. A nurse is preparing to administer 250 mg of a medicine PO daily. The amount available is 100 mg/tablet. How many tablets should the nurse administer per dose? (Round the answer to the nearest tenth. Use a leading zero if it applies. Do not use a trailing zero. Enter numbers only.)    2.5 tabs daily