

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 mg/dose so 4 mL per 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**