

Dosage Calculation Worksheet #1

1. 1. An individual is taking cough suppressant that contains codeine 10 mg in 5 mL. If the individual took 12 tsp of the medication during a 24-hour period, how many milligrams of codeine would have been taken? **120 milligrams**
1. 2. The nurse is to give 10 mcg/kg/min of a medication. The patient weighs 80 kg. How many mcg will the nurse give in 15 minutes?
12,000 mcg
1. 3. Calculate the individual dose in mg a medication to be administered in six divided doses if a patient weighs 35 pounds and is to be given 40 mg/kg/day. Round kg to nearest 10th. **106 mg/dose**
4. The medication order is to administer naloxone (Narcan) 1.5 mcg/kg STAT. The child weighs 36.3 pounds. How many mg of Narcan will the nurse give to the child? **0.024 mg**
5. An individual is taking an antibiotic that contains penicillin (PCN) 180 mg in 5 mL. If the individual took 21 tsp of the medication in 7 days, how many milligrams of PCN would have been taken? **3,780 mg in 7 days**
6. Medication order: Cephalexin 375 mg PO tid. How many grams will the patient receive each 24 hours? **1.125 g/day**
7. Medication order: Unipen 750 mg IM q6h Available: Unipen add 4 mL sterile water to make 1 g/2.5 mL How many mL of the reconstituted solution will you administer? **1.9 mL**
8. Medication order: Zaroxolyn 7.5 mg PO bid. Available: Zaroxolyn 5

mg tablets. How many tablets will you administer? **1.5 tablets**

9. Medication order: Erythromycin 125 mg via gastric tube tid.
Available: Erythromycin 250 mg/5 mL How many mL will you administer?
7.5 mL

10. Medication order: Capoten 100 mg. Available: Capoten 0.1 g tablets. How many tablets will you administer? **1 tablet**

11. Change 128 oz to L. Round final answer to a whole number. **4 L**

12. Medication order: heparin 2500 units/hr. Drug available: heparin 20,000 units in 250 mL D5W. At what rate will you set your pump? **31.25 units/hr**

13. Penicillin G Procaine (Wycillin) contains 300,000 units/mL. How many units would there be in 2.5 mL? **750,000 units**

14. The preoperative order is for atropine sulfate 0.15 mg. The supply of atropine sulfate is 0.4 mg/mL. How many mL will you prepare? **0.375 mL**

15. Medication order: Atropine 0.4 mg Sub-Q now. Drug available: atropine 5 mg per 10 mL. How many mL will you administer? **0.8 mL**