

MEDICATION DOSAGE

COMMON CONVERSIONS:



1 kg = 2.2 lbs
1 ml = 1 cc
30 ml = 1 oz
5 ml = 1 tsp
15 ml = 1 tbsp

1 kg = 1000 gm
1 gm = 1000 mg
1 mg = 1000 mcg
1 L = 1000 ml

1 tbsp = 3 tsp
1 cup = 8 oz
2 cups = 1 pint
2 pints = 1 quart

60 min = 1 hr



PRACTICE QUESTIONS:

1. Doctor ordered 7 g of metoprolol. It is available as 0.007 kg tablets. How many tablets do you give?
2. Doctor ordered 14,000,000 mcg of Amoxicillin. It is available as 17,000 mg per 9 ml. How many ml will nurse give?
3. Patient weight 120 kg. How many pounds is this?
4. Doctor order 250 mg PO ampicillin. A nurse has a bottle that says every 5 ml has 100 mg of drug. How many ml will the nurse give?
5. A nurse needs to give 30 ml of Colace to a patient. How many teaspoons is this?
6. A patient is getting 4 capsules of Tylenol per dose. Each capsule has 125 mg of drug in it. The patient takes this dose 3x daily. How many mg per day does the patient take?
7. The doctor order 20 g of a medication PO. Pharmacy gives 10 g/15 ml. How many ml will the nurse give per dose?
8. Doctor order 50 mg of a medication PO. Pharmacy gives 100 mg/ 15 ml. How many ml will the nurse give?
9. Doctor order 1,000 mcg IV medication. The vial instruction say to reconstitute with sterile water for a concentration of 0.5 mg/ml and to dilute 1 mg in 50 ml of normal saline. How many ml will you administer per dose?
10. The doctor orders to give a patient 15.6 mg of dopamine in 345 ml of F5W to be infused at a rate of 18 mg/hr. Calculate the flow rate in ml/hr.?
11. Doctor ordered 15 mg by mouth every 4 hours. Pharmacy dispenses you 30 mg/3ml. How many ml with you administer per dose?
12. Doctor ordered 24 mg over 8 hr. of a medication. You have 96 mg/4 ml available. What is the drip rate (ml/hr.)?
13. Doctor ordered 196 mg of medication X. You have 56 mg per tablets of medication X available. How many tablets do you give?
14. Doctor order a 500 ml bag of 0.9 NaCl to be infused at 20 gtt/min. The drip factor is 10 gtt/ml. You start the infusion at 0500. At what time will the infusion be complete?
15. Doctor order says 0.5 L of normal saline to infuse over 6 hours. The drip factor is 30 drops. What is the drip rate (gtt/min)?

ANSWERS:

- 1. 1 tablet**
- 2. 7.4**
- 3. 264 pounds**
- 4. 12.5 ml**
- 5. 6 tsp**
- 6. 1,500 mg/day**
- 7. 30 ml**
- 8. 7.5 ml/dose**
- 9. 50 ml/dose**
- 10. 398.1 ml/hr**
- 11. 1.5 ml per dose.**
- 12. 0.125 ml/hr**
- 13. 3.5 tablets**
- 14. 0910**
- 15. 42 gtt/min**