

Homeworks 1

- 1) A patient is to purchase a 12 fl oz bottle of antacid. The patient is to take 15 mL before each meal and at bedtime. How many doses does the bottle contain? (1 fl oz = 30 mL) (Ans: 24 doses)
- 2) How many 2 tbsp doses are in 480 mL? (1 tbsp = 15 mL , 1 dose = 2tbsp) (Ans: 16 doses)
- 3) Theophylline elixir contains 80 mg/15 mL. A dose is 2 tbsp. How many milligrams are in 1 dose of the theophylline elixir? (1 tbsp = 15 mL , 1 dose = 2tbsp) (Ans: 160 mg)
- 4) A physician has written a prescription for a 1.5 oz tube of ointment. How many grams is this? (1 oz = 30g) (ans: 45g)
- 5) A patient weighs 76 lb. What is this patient's weight in kilograms? (1 kg = 2.2 lb) (ans: 34.5 kg)
- 6) The pharmacy receives a prescription for 100 mg of amoxicillin to be taken three times daily for 10 days. The pharmacy has a 150 mL bottle of 125 mg/5 mL amoxicillin. How many milliliters of the suspension will be dispensed, and what will the patient's dosing instructions on the label say? (ans = 120 ml and Take 4 mL three times daily for 10 days)
- 7) If a 12 fl oz bottle of mouthwash contains 0.75 g of the active ingredient, how many milligrams will be in a 1 tbsp dose? (1 fl oz = 30 mL ,) (ans: 31.25 g)
- 8) The pharmacy receives a prescription for amoxicillin suspension 1 g bid. The pharmacy has a supply of amoxicillin 250 mg/5 mL. How many milliliters are in one dose? What will the patient's dosing instructions on the bottle label say? (1g = 1000mg , 5ml = 1tsp) (ans: 20 ml or 4 tsp two times daily)
- 9) A patient is to take 2 tsp of a medication four times daily for 5 days. How much will be needed? (1 tsp = 5ml) (ans: 200ml)
- 10) A patient comes to the pharmacy with a prescription that does not indicate a quantity. It says, "Amoxicillin 125 mg/5 mL, **1 teaspoon three times daily (tid)** for 10 days." What is the total amount of medication to be dispensed? (1 tsp = 5ml) (ans: 150 ml)