Pharmacy Calculations Commonly Used in Prescription Drug Preparation
Practice

1. Miralax powder is generally mixed with 4-8 ounces of juice or water for administration. How many mL of liquid will be used?

2. What is the percentage strength of a 1.25 liter solution that contains 80grams of a drug?

3. Oxycodone 5mg tablet – 1 to 2 tablets every 4 to 6 hours as needed for pain – dispense #36. How many days would this prescription last if the maximum tablets allowed per day were used?

4. A topical ointment calls for 45g to be dispensed. The recipe is as follows. How many grams of betamethasone are needed?
    a. Betamethasone 121mg
    b. Alcohol 20mL
    c. Propylene glycol 20mL
    d. Pluronic F127 22g
    e. Purified water qs 100g

5. Using 20 grams of a 9% boric acid ointment base, a technician will make a 5% ointment. How much diluents is required?

6. You need to make 1500 mL of a 3% drug X solution but you only have 15% and 1% solutions in stock. How many mLs of 15% solution do you need?