

Name: \_\_\_\_\_ Date: 12 March 2014 PLEASE SHOW YOUR WORK

1. You need to prepare 30 g of salicylic acid 40% in petrolatum. How many g of salicylic acid will you need? \_\_\_\_\_
2. A prescription is written for salicylic acid 1%, menthol 0.25% in triamcinolone 0.1% cream. How much of each of the salicylic acid and menthol should be used if the prescription is for 240 g? \_\_\_\_\_
3. A prescription is written for Metoprolol tartrate 10 mg/ml oral liquid in a 50:50 mixture of Ora-Sweet:Ora Plus vehicle q.s. 120 ml. How much metoprolol is needed for the compound and how many metoprolol tartrate 100 mg tablets are needed to prepare this compound? \_\_\_\_\_

Use the following to answer questions 4-7:

***Calculate days supply for the following prescriptions:***

4. Ultram 50 mg #20  
1 tab q4-6h prn pain \_\_\_\_\_ days
5. Terazol-7 cream 45 g  
Insert 1 applicatorful (5 g) h.s. for 7d \_\_\_\_\_ days
6. Nizoral cream 15 g  
Apply to the affected and surrounding areas once daily for 2 weeks \_\_\_\_\_ days
7. Xanax 0.25 mg #30 one po b.i.d. and hs prn \_\_\_\_\_ days

Use the following to answer questions 8-10:

***Calculate the amount per fill allowable if a third-party plan covers a 34-day supply and adjust the refills:***

8. Nitrolingual Pumpspray #2  
(200 sprays/container) 1–2 metered doses (400–800 µg) SL.  
May repeat q5 minutes up to a max. = 3 doses/15 min  
2 refills  
\_\_\_\_\_ qty \_\_\_\_\_ refills \_\_\_\_\_ partial

9. Nabumetone 500 mg #100  
1 g p.o. daily  
2 refills  
\_\_\_\_\_ qty \_\_\_\_\_ refills \_\_\_\_\_ partial

10. Zolpidem 10 mg #100. (remember zolpidem, Ambien, is a C IV)  
One h.s.  
2 refills  
\_\_\_\_\_ qty \_\_\_\_\_ refills \_\_\_\_\_ partial

## Answer Key

1. 12 g
2. 2.4 g salicylic acid  
0.6 g triamcinolone
3. 1200 mg, 12 tablets
4. 4
5. 7 (*Hint:* Although the weight of cream in the tube could last for 9 days, the doctor has only prescribed the cream for 7 days.)
6. 15
7. 10
8. 1 box + 5 refills (This is a problem that was added to extend to practical applications in the workplace and only provides the information that is provided by prescribers when they write prescriptions. Nitolingual spray is used to treat acute angina attacks and it is only used occasionally. Because of the nature of the medication, third-party plans would cover one box at a time. If one box would be dispensed at a time because of insurance restrictions, it would be necessary to adjust the refills to 8).
9. 68, 3, 28 (The dose is two tablets per day. 68 tablets would provide a 34 day supply. If 68 tablets would be dispensed per RX, there would be 3 refills of 68 and one partial refill of 28 would remain).
10. 34 tablets & 4 refills + partial refill of 30

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