Conversions – Dosing Equations

Chapter 6 Worksheet F - Answered

You'll need to memorize how to solve and the definitions for the following:

Dose – Amount of medication to be taken at one time
- *Daily Dose / Frequency*

Frequency – Number of instances per day the medication is taken
- *Daily Dose / Dose*

Daily Dose – Total amount of medication taken in one day
- *Dose x Frequency*

Day Supply – Number of days a medication is taken
- *Quantity / Daily Dose*

Quantity Sufficient (Q.S.) – Total amount of medication taken over the course of the Rx
- *Daily Dose x Day Supply*

1) Pantoprazole 40 mg tabs
1 qd x30
QS

Dose = 1 tablets
Daily Dose = 1 tablets
Q.S. = 30 tablets

Frequency = 1
Day Supply = 30 days

2) Tamoxifen Citrate 20 mg tabs
ss-1 bid x30
QS

Dose = 1 tablets
Daily Dose = 2 tablets
Q.S. = 60 tablets

Frequency = 2
Day Supply = 30 days

3) Novolog Insulin 70/30
Inj 25 u sc qid
10 mL

Dose = 25 units
Daily Dose = 100 units
Q.S. = 10 mL

Frequency = 4
Day Supply = 10 days

4) Amox/Clav 400 mg/100 mg/5 mL
1 T bid x10
DTD 300 mL

Dose = 15 mL
Daily Dose = 30 mL
Q.S. = 300 mL

Frequency = 2
Day Supply = 10 days

1 ÷ 2

5) Benazepril 20 mg tabs
1 qod x90
QS

Dose = 1 tablets
Daily Dose = 0.5 tablets
Q.S. = 45 tablets

Frequency = 0.5
Day Supply = 90 days

6) Hydrocodone Elixir
1-2 t q8h prn cough
8 fl oz

Dose = 10 mL
Daily Dose = 30 mL
Q.S. = 240 mL

Frequency = 3
Day Supply = 8 days

7) Adderall 10 mg tabs
1 tid x30
QS

Dose = 1 tablets	Frequency = 3
Daily Dose = 3 tablets	Day Supply = 30 days
Q.S. = 90 tablets	

8) Lortab 5/500 mg tabs
1 q4-6h prn pa x 5
QS

Dose = 1 tablets	Frequency = 6
Daily Dose = 6 tablets	Day Supply = 5 days
Q.S. = 30 tablets	*Use the highest frequency*

9) Alphagan Opth
1-2 gtts ou q6h x10
10 mL

Use the highest dose

Dose = 4 gtts	Frequency = 4
Daily Dose = 16 gtts	Day Supply = 10 days
Q.S. = 10 mL	

10) Ciprodex Otic
1 gtt ad q4h
3 mL

Dose = 1 gtts	Frequency = 6
Daily Dose = 6 gtts	Day Supply = 10 days
Q.S. = 3 mL	

11) Cephalexin 500 mg capsules
4 before dentist appt
#4

Dose = 4 tablets	Frequency = 1
Daily Dose = 4 tablets	Day Supply = 1 days
Q.S. = 4 tablets	

12) Nasonex NS
1 spr IEN qid x5
#1

Dose = 2 sprays	Frequency = 4
Daily Dose = 8 sprays	Day Supply = 5 days

1 ÷ 7

13) Vitamin D 400 IU caps
1 qw x 12 weeks
QS

Dose = 1 capsules	Frequency = 0.143
Daily Dose = 0.143 capsules	Day Supply = 84 days
Q.S. = 12 capsules	

14) Potassium Chloride tabs
2 bid x30
QS

Dose = 2 tablets	Frequency = 2
Daily Dose = 4 tablets	Day Supply = 30 days
Q.S. = 120 tablets	

15) Novolog Insulin 70/30
Inj 7.5 u qid
10 mL

Dose = 7.5 units	Frequency = 4
Daily Dose = 30 units	Day Supply = 33 days
Q.S. = 10 mL	*Round Down*

16) Cefprozil Suspension
1 t bid x7
QS

Dose = 5 mL	Frequency = 2
Daily Dose = 10 mL	Day Supply = 7 days
Q.S. = 70 mL	

1 ÷ 3

17) Actonel 30 mg tablets
1 q72h x30
QS

Dose = 1 tablets	Frequency = .33
Daily Dose = .33 tablets	Day Supply = 30
Q.S. = 10 tablets	