

Notes

Fundamentals  
Practice Oral Liquids  
Answers

49. Order: Keflex 250 mg p.o. q6h.

Available: Keflex suspension 125 mg/5 mL.

10 mL

50. Order: Amoxicillin 0.5 g p.o. q6h.

Available:

20 mL

**AMOXIL®**  
125mg/5mL

**125mg/5mL**  
NDC 0029-6008-23

**AMOXIL®**  
AMOXICILLIN  
FOR ORAL  
SUSPENSION

Directions for mixing: Tap bottle until all powder flows freely. Add approximately 1/2 total amount of water for reconstitution. (total=70 mL) shake vigorously to wet powder. Add remaining water, again shake vigorously. Each 5 mL (1 teaspoonful) will contain amoxicillin trihydrate equivalent to 125 mg amoxicillin.

Usual Adult Dosage: 250 to 500 mg every 8 hours  
Usual Child Dosage: 20 to 40 mg/kg/day in divided doses every 8 hours, depending on age, weight and infection severity. See accompanying prescribing information.

Keep tightly closed. Shake well before using. Refrigeration preferable but not required. Discard suspension after 14 days.

MSN 6505-01-153-3902  
Net contents: Equivalent to 2.5 grams amoxicillin. Store dry powder at room temperature. SmithKline Beecham Pharmaceuticals, Philadelphia, PA 19101

Rx only

3 0029-6008-23 1

LOT  
EXP. 9405793-F

100mL  
(when reconstituted)

SB SmithKline Beecham

51. Order: Phenobarbital 60 mg p.o. at bedtime.

Available: Phenobarbital elixir 20 mg/5 mL.

15 mL

52. Order: Mellaril 150 mg p.o. b.i.d.

Available: Mellaril 30 mg/mL.

5 mL

53. Order: Diphenhydramine HCl 25 mg p.o. b.i.d. p.r.n. for agitation.

Available: Diphenhydramine hydrochloride elixir 12.5 mg/5 mL.

10 mL

54. Order: Lithium carbonate 600 mg p.o. at bedtime.

Available: Lithium citrate syrup. Each 5 mL contains lithium carbonate 300 mg. Each unit dose container contains 5 mL.

a. How many milliliters are needed to administer the required dosage?

10 mL

b. How many containers of the drug will you need to prepare the dosage?

2

55. Order: Haldol 10 mg p.o. b.i.d.

Available: Haldol concentrate labeled 2 mg/mL.

5 mL

56. Order: Dicloxacillin sodium 0.5 g by gastrostomy tube q6h.

Available:

40 mL

Notes

Do Not Use For Reconstitution If Printed Neckband Is Missing Or Broken

NDC 0015-7856-64 200 mL  
NSN 6505-01-024-8900

EQUIVALENT TO  
**62.5 mg per 5 mL**  
when reconstituted  
according to directions.

**DYNAPEN®**  
Dicloxacillin Sodium for  
Oral Suspension, USP

CAUTION: Federal law prohibits  
dispensing without prescription.

In the Pharmacist's Presence suspension at time of dispensing.  
1. Measure 112 mL of water in a graduated cylinder. 2. Measure 112 mL of water for reconstitution. 3. Add approximately one-half the water to the bottle. 4. Add remaining water and shake vigorously. 5. Shake the bottle to reconstitute to provide greater shake space for ease in reconstitution. Each 5 mL contains dicloxacillin sodium monohydrate equivalent to 62.5 mg dicloxacillin sodium. 6. Do not use if the suspension is cloudy or contains particles not described with continued shaking. READ ACCOMPANYING CIRCULAR

APOTHECON®  
A Bristol-Myers Squibb Co.  
Princeton, NJ 08540 USA  
78566400L-1 53-06940-00

PULL DOWN TAB TO OPEN BOOKLET

Control:  
Exp. Date  
of Powder:

$$\begin{array}{r} 62.5 \text{ mL} \quad 500 \text{ mg} \\ 5 \text{ mL} \quad \times \\ \hline 62.5 \times = 2500 \\ x = 40 \end{array}$$

57. Order: V-Cillin K suspension 500,000 units p.o. q.i.d.

Available: V-Cillin K oral solution 200,000 units per 5 mL.

12.5 mL

$$\begin{array}{r} 200,000 \text{ units} \\ 5 \text{ mL} \end{array}$$

58. Order: Keflex 1 g by nasogastric tube q6h.

Available: Keflex oral suspension 125 mg/5 mL.

40 mL

59. Order: Trilafon 24 mg p.o. b.i.d.

Available: Trilafon concentrate labeled 16 mg/5 mL.

7.5 mL

60. Order: Acetaminophen elixir 650 mg by nasogastric tube q4h p.r.n. for temperature greater than 101° F.

Available: Acetaminophen elixir labeled 500 mg/15 mL.

19.5 mL

61. Order: Tagamet 400 mg p.o. q6h.

Available: Tagamet labeled 300 mg/5 mL.

6.7 mL

62. Order: Eпивir 150 mg p.o. b.i.d.

Available:

15 mL

NDC 0173-0471-00

GlaxoWellcome

**Epivir™**  
Oral  
Solution  
(lamivudine  
oral solution)

10 mg/mL 240 mL

Caution: Federal law prohibits dispensing without prescription.  
See package insert for Dosage and Administration.  
Store between 2° and 25°C (36° and 77°F) in tightly closed bottles. Contains 6% alcohol.

55000  
Glaxo Wellcome Inc.  
Research Triangle Park,  
NC 27709  
Manufactured in England  
under agreement from  
BioChem Pharma Inc.  
Laval, Quebec, Canada  
Rev. 10/95

Notes

63. Order: Retrovir 0.3 g p.o. b.i.d.

30 mL

Available:

50mg 300mg  
5mL x  
50x = 1500  
x = 30

240 mL NDC 0173-0113-18

**RETROVIR®**  
(zidovudine)  
Syrup

For indications, dosage, pre-cautions, etc., see accompanying package insert.  
Store at 15° to 25°C (59° to 77°F).

Each 5 mL (1 teaspoonful) contains zidovudine 50 mg and sodium benzoate 0.2% added as a preservative.

CAUTION: Federal law prohibits dispensing without prescription.

U.S. Patent Nos. 4818539 (Product Patent); 4724232, 4833130, and 4837208 (Use Patent)

Made in U.S.A. Rev. 5/98 587023

GlaxoWellcome  
Glaxo Wellcome Inc.  
Research Triangle Park, NC 27709

LOT  
EXP

64. Order: Mycostatin suspension 200,000 units p.o. b.i.d.

2 mL

Available:

100,000 units  
1 mL

473 mL NDC 0303-0388-10

**MYCOSTATIN**  
ORAL SUSPENSION  
Nystatin Oral  
Suspension USP

100,000 units per mL  
**MYCOSTATIN®**  
ORAL SUSPENSION  
Nystatin Oral  
Suspension USP

Each mL contains 100,000 USP Nystatin Units in a vehicle containing 50% sucrose. Not more than 1% alcohol by volume.

USUAL DOSAGE FOR INFANTS: 2 mL (200,000 units) four times daily (1 mL in each side of mouth).

USUAL DOSAGE FOR CHILDREN AND ADULTS: See package insert.

SHAKE WELL BEFORE USING

Store at room temperature; avoid freezing

Caution: Federal law prohibits dispensing without prescription

APOTHECON®  
A Bristol-Myers Squibb Company  
Princeton, NJ 08540 USA  
P8739-00

APOTHECON®  
A BRISTOL-MYERS SQUIBB COMPANY

65. Order: Thorazine concentrate 150 mg p.o. b.i.d.

1.5 mL

Available: Thorazine concentrate 100 mg/mL.

66. Order: Augmentin 0.25 g p.o. q8h.

Available:

10 mL

Notes

**AUGMENTIN®**  
125mg/5mL

NSN 6505-01-408-8181  
Directions for mixing:  
Tap bottle until all powder flows freely. Add approximately 2/3 of total water for reconstitution  
**(total = 90 mL)**; shake vigorously to wet powder. Add remaining water; again shake vigorously.  
Dosage: See accompanying prescribing information.

**125mg/5mL**  
NDC 0029-6085-23

**AUGMENTIN®**  
AMOXICILLIN/  
CLAVULANATE  
POTASSIUM  
FOR ORAL SUSPENSION

When reconstituted, each 5 mL contains:  
**AMOXICILLIN, 125 MG,** as the trihydrate  
**CLAVULANIC ACID, 31.25 MG,** as clavulanate potassium

**100mL**  
(when reconstituted)

Keep tightly closed. Shake well before using. Must be refrigerated. Discard after 10 days.

Use only if inner seal is intact. Net contents: Equivalent to 2.5 g amoxicillin and 0.625 g clavulanic acid. Store dry powder at room temperature. SmithKline Beecham Pharmaceuticals, Philadelphia, PA 19101

Rx only

3 0029-6085-23 2

LOT  
EXP.

9405705-D

$$\begin{array}{r} 125\text{mg} \\ \hline 5\text{mL} \end{array} \quad \begin{array}{r} 250\text{mg} \\ \hline \times \end{array}$$

$$125 \times = 1250$$

$$x = 10$$

67. Order: Zovirax 200 mg p.o. q4h x 5 days.

Available:

5 mL

1 pint (473 mL) NDC 0081-0953-96

**ZOVIRAX®**  
(ACYCLOVIR)  
Suspension

Each 5 mL of suspension contains acyclovir 200 mg and added as preservatives methylparaben 0.1% and propylparaben 0.02%.

**CAUTION:** Federal law prohibits dispensing without prescription.

6505-01-356-3854

BURROUGHS WELLCOME CO.  
Research Triangle Park, NC 27709

1 pint (473 mL) NDC 0081-0953-96

**ZOVIRAX®**  
(ACYCLOVIR)  
Suspension

Each 5 mL of suspension contains acyclovir 200 mg and added as preservatives methylparaben 0.1% and propylparaben 0.02%.

**SHAKE WELL BEFORE USING.**

For indications, dosage, precautions, etc., see accompanying package insert.

Store at 15° to 25°C (59° to 77°F).

Dispense in tight container as defined in the U.S.P.

**CAUTION:** Federal law prohibits dispensing without prescription.

LOT  
EXP.

647405 Made in U.S.A.  
U.S. Patent No. 4199574

Have  $\frac{200\text{mg}}{5\text{mL}}$

Notes

68. Order: Prozac 30 mg p.o. every day in AM.

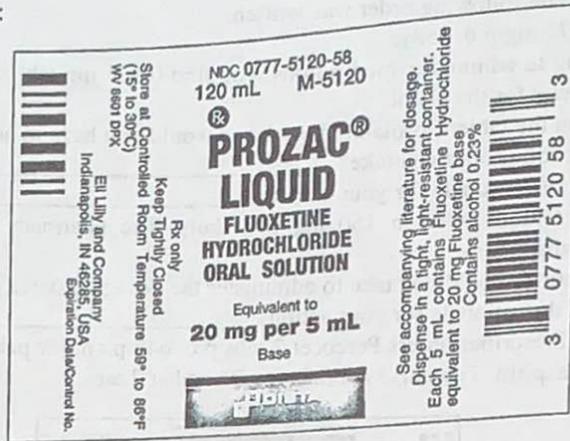
7.5 mL

Available:

$$\begin{array}{r} 30\text{mg} \\ 5\text{mL} \end{array} \times \begin{array}{r} 30\text{mg} \\ x \end{array}$$

$$20x = 150$$

$$x = 7.5\text{mL}$$

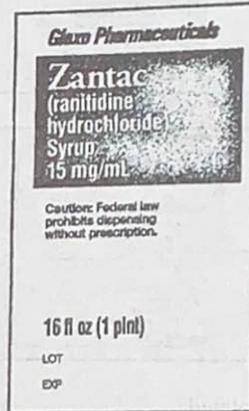


69. Order: Zantac 150 mg b.i.d. via nasogastric tube.

10mL

Available:

$$\begin{array}{r} 15\text{mg} \\ \text{mL} \end{array} \times \begin{array}{r} 150\text{mg} \\ x \end{array}$$



70. Order: Mellaril 50 mg p.o. t.i.d.

1.7mL

Available:

$$\begin{array}{r} 30\text{mg} \\ \text{mL} \end{array} \times \begin{array}{r} 50\text{mg} \\ x \end{array}$$

$$30x = 50$$

$$x = 1.7$$



Answers on pp. 613-616

## ! Critical Thinking

*Notes*

- Scenario: The following order was written:  
Digoxin 0.75 mg p.o. daily.  
In preparing to administer medications, you find 0.125 mg tabs (scored) in the medication drawer for the client.
  - Based on the tablets available, how many would you have to administer? \_\_\_\_\_
  - What action should you take? \_\_\_\_\_
  - What is the rationale for your action? \_\_\_\_\_
- Scenario: Order: Diflucan 150 mg p.o. daily. The pharmacy sends two 100-mg unscored tabs.
  - What action should you take to administer the dosage ordered? \_\_\_\_\_
  - What is the rationale for your action? \_\_\_\_\_
- Scenario: Prescriber orders Percocet 2 tabs p.o. q4h p.r.n. for pain for a client who is allergic to aspirin. The nurse administers Percodan 2 tabs.



- What client right was violated? \_\_\_\_\_
- What contributed to the error? \_\_\_\_\_
- What is the potential outcome of the error? \_\_\_\_\_
- What preventive measures could have been taken to prevent the error? \_\_\_\_\_



## CHAPTER REVIEW

Calculate the following dosages using the medication label or information provided. Express volume answers in milliliters; round answers to the nearest tenth as indicated.

- Order: Tylenol 975 mg p.o. q6h p.r.n. for earache.

Available: \_\_\_\_\_

*3 tabs*

