Test Bank For

CALCULATION OF DRUG DOSAGES 11TH EDITION

By Sheila J. Ogden, Linda Fluharty

Chapter 01: Fractions
Ogden & Fluharty: Calculation of Drug Dosages, 11th Edition

COMPLETION

Perform the indicated calculations, and reduce fractions to the lowest terms.

1. $3/10 + 3/5 +$ _____

   ANS: 9/10

2. $1 \ 5/6 + 3 \ 1/3 +$ _____

   ANS: 5 1/6

3. $11/12 - 1/2 =$ _____

   ANS: 5/12

4. $6 \ 1/2 - 1 \ 3/4 =$ _____

   ANS: 4 3/4

5. $1/3 \times 3/4 =$ _____

   ANS: 1/4

6. $2 \ 1/2 \times 2 \ 1/3 =$ _____

   ANS: 8 1/6

7. $5 \ 1/2 \times 1 \ 1/6 =$ _____
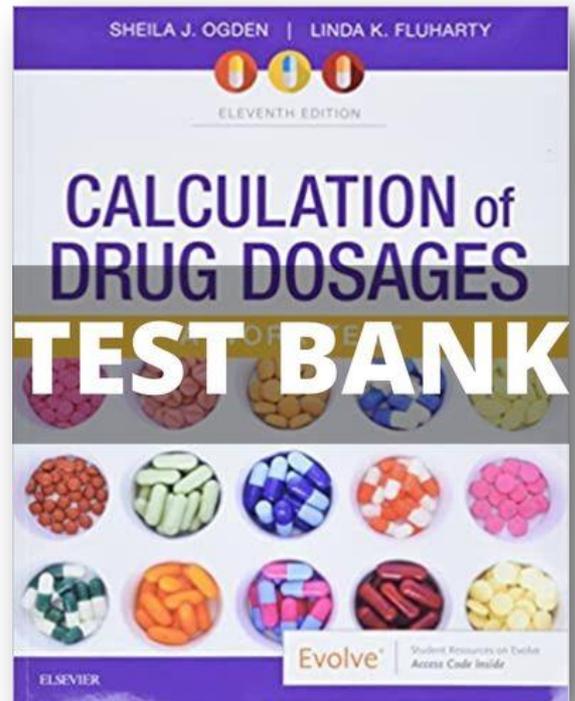
   ANS: 6 5/12

8. $5/6 \div 1/2 =$ _____

   ANS: 1 3/7

9. $4 \ 3/10 \div 1 \ 3/4 =$ _____

   ANS: 2 16/35

10. $3 \ 1/2 \div 1 \ 1/3 =$ _____

    ANS: 2 5/8

COMPLETION

Perform the indicated calculations.

1. $2.67 + 5.1 + 1.3 + 0.9 =$ _____

   ANS: 9.97

2. $1.1 + 50.6 + 30.9 + 6.75 =$ _____

   ANS: 89.35

3. $16.75 - 4.6 =$ _____

   ANS: 12.15

4. $120.005 - 95.88 =$ _____

   ANS: 24.125

5. $5.32 \times 67.9 =$ _____

   ANS: 361.228

6. $44.7 \times 17.13 \times 60 =$ _____

   ANS: 45,942.66

7. $0.662 \times 1000 =$ _____

   ANS: 662

8. $17.5 \times 10 =$ _____

   ANS: 175

9. $4.4 \div 0.5 =$ _____

   ANS: 8.8

10. $110.5 \div 7.52 =$ _____

ANS: 14.6941489

11. $258.7 \div 100 =$ _____

ANS: 2.587

12. $354.6 \div 1000 =$ _____

ANS: 0.3546

Chapter 03: Percents
Ogden & Fluharty: Calculation of Drug Dosages, 11th Edition

COMPLETION

Insert the correct response. Reduce fractions to the lowest terms.

1. Change 7/16 to a percent. _____

   ANS: 43 3/4%

2. Change 1/4 to a percent. _____

   ANS: 25%

3. Change 0.77 to a percent. _____

   ANS: 77%

4. Change 1.57 to a percent. _____

   ANS: 157%

5. Change 44% to a proper fraction. _____

   ANS: 11/25

6. Change 16.8% to a proper fraction. _____

   ANS: 21/125

7. Change 15% to a decimal. _____

   ANS: 0.15

8. Change 67.9% to a decimal. _____

   ANS: 0.679

9. What percent of 400 is 125? _____

   ANS: 31.25%

10. What percent of 150 is 75? _____

ANS: 50%

11. What is 25% of 75? _____

ANS: 18.75

12. What is 15% of 1085.6? _____

ANS: 162.84

Chapter 04: Ratios
Ogden & Fluharty: Calculation of Drug Dosages, 11th Edition

COMPLETION

Insert the correct response. Reduce ratios and fractions to the lowest terms.

1. Change 3/8 ÷ 5/12 to a ratio. _____

   ANS: 9:10

2. Change 1/7 ÷ 4/21 to a ratio. _____

   ANS: 3:4

3. Change 0.12 to a ratio. _____

   ANS: 3:25

4. Change 1.66 to a ratio. _____

   ANS: 83:50

5. Change 27% to a ratio. _____

   ANS: 27:100

6. Change 2/7% to a ratio. _____

   ANS: 2:700

7. Change 25:100 to a fraction. _____

   ANS: 1/4

8. Change 3/10:2/5 to a fraction. _____

   ANS: 3/4

9. Change 7:20 to a decimal number. _____

   ANS: 0.35

10. Change 35:14 to a decimal number. _____

    ANS: 2.5

11. Change 44:88 to a percent. _____

    ANS: 50%

12. Change 15:75 to a percent. _____

    ANS: 20%

Chapter 05: Proportions
Ogden & Fluharty: Calculation of Drug Dosages, 11th Edition

COMPLETION

Find the value of x.

1. $30 : 600 :: x : 150$ _____

   ANS: 7.5

2. $16 : x :: 45 : 15$ _____

   ANS: 5.3333

3. $14 : x :: 28 : 7$ _____

   ANS: 3.5

4. $25 : 40 :: 75.5 : x$ _____

   ANS: 120.8

5. $125 : 20 :: 300 : x$ _____

   ANS: 48

6. $x : 0.7 :: 21.21 : 3$ _____

   ANS: 4.949

7. $x : 0.54 :: 0.6 : 0.8$ _____

   ANS: 0.405

8. $2/3 : x :: 8/9 : 12$ _____

   ANS: 9

9. $x : 1/4 :: 3/4: 32$ _____

   ANS: 6

10. $33\% : 66 :: x\% : 15$ _____

    ANS: 0.075

COMPLETION

Change to the designated equivalents.

1. 76 mg = _____ mcg

    ANS: 76,000

2. 1.42 mg = _____ mcg

    ANS: 1420

3. 150,525 mcg = _____ g

    ANS: 0.150525

4. 9415 mcg = _____ mg

    ANS: 9.415

5. 445 mg = _____ g

    ANS: 0.445

6. 17.4 kg = _____ g

    ANS: 17,400

7. 90 kg = _____ lb

    ANS: 198

8. 112.2 lb = _____ kg

    ANS: 51

9. 12.6 cm = _____ mm

    ANS: 126

10. 3.36 cm = _____ mm

    ANS: 33.6

ANS: 0.75

12. 2.5 L = _____ mL

ANS: 2500

13. 1 mg = _____ g

ANS: 0.001

14. 18 mg = _____ mcg

ANS: 18,000

15. 15 mg = _____ g

ANS: 0.015

16. 900 mg = _____ g

ANS: 0.9

17. 1 g = _____ mg

ANS: 1000

18. 1 g = _____ mcg

ANS: 1,000,000

19. 3 oz = _____ mL

ANS: 90

20. 1 mg = _____ mcg

ANS: 1000