

## 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:  $2\ 5/8$

---

## Chapter 02: Decimals

### Ogden & Fluharty: Calculation of Drug Dosages, 10th Edition

---

#### 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  $\frac{7}{16}$  to a percent. \_\_\_\_\_

ANS: 43  $\frac{3}{4}$ %

2. Change  $\frac{1}{4}$  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:  $\frac{11}{25}$

6. Change 16.8% to a proper fraction. \_\_\_\_\_

ANS:  $\frac{21}{125}$

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  $3/8 \div 5/12$  to a ratio. \_\_\_\_\_

ANS: 9:10

2. Change  $1/7 \div 4/21$  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



## Chapter 06: Metric and Household Measurements

### Ogden & Fluharty: Calculation of Drug Dosages, 11th Edition

---

#### 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

11. 750 mL = \_\_\_\_\_ L

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