Chapter 01: Roman Numerals
Gray Morris: Calculate with Confidence, 7th Edition

COMPLETION

1. Perform the indicated operation and record the result in lowercase Roman numerals.
   $7 \times 2 = $ _____

   ANS: xiv

   PTS: 1   MSC: Practice Problems

2. Perform the indicated operation and record the result in lowercase Roman numerals.
   $29 - 1 = $ _____

   ANS: xxviii

   PTS: 1   MSC: Practice Problems

3. Perform the indicated operation and record the result in lowercase Roman numerals.
   $3 \times 10 = $ _____

   ANS: xxx

   PTS: 1   MSC: Practice Problems

4. Perform the indicated operation and record the result in lowercase Roman numerals.
   $10 + 2 = $ _____

   ANS: xii

   PTS: 1   MSC: Practice Problems

5. Write the following Arabic number as a lowercase Roman numeral.
   $18 = $ _____

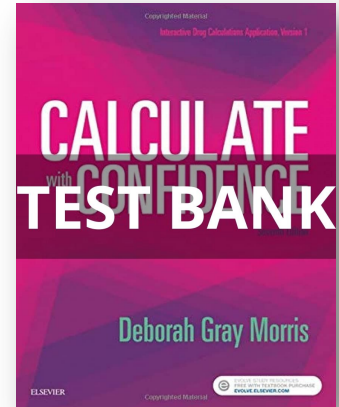   ANS: xviii

   PTS: 1   MSC: Practice Problems

6. Write the following Arabic number as a lowercase Roman numeral.
   $21 = $ _____

   ANS: xxi

   PTS: 1   MSC: Practice Problems

7. Write the following Arabic number as a lowercase Roman numeral.

$11\frac{1}{2} =$ _____

ANS: xiss

PTS: 1   MSC: Practice Problems

8. Perform the indicated operation and record the result in lowercase Roman numerals.
$6 \times 3 =$ _____

ANS: xviii

PTS: 1   MSC: Practice Problems

9. Perform the indicated operation and record the result in lowercase Roman numerals.
$30 - 6 =$ _____

ANS: xxiv

PTS: 1   MSC: Practice Problems

10. Perform the indicated operation and record the result in lowercase Roman numerals.
$12 \div 2 =$ _____

ANS: vi

PTS: 1   MSC: Practice Problems

11. Perform the indicated operation and record the result in lowercase Roman numerals.
$13 + 7 =$ _____

ANS: xx

PTS: 1   MSC: Practice Problems

Chapter 02: Fractions
Gray Morris: Calculate with Confidence, 7th Edition

COMPLETION

1. Reduce the following fraction to lowest terms.
$54/81 =$ _____

ANS: 2/3

PTS: 1   MSC: Practice Problems

2. Reduce the following fraction to lowest terms.
$105/135 =$ _____

ANS: 7/9

PTS: 1   MSC: Practice Problems

3. Reduce the following fraction to lowest terms.
39/65 = _____

ANS: 3/5

PTS: 1   MSC: Practice Problems

4. Change the following improper fraction to a whole or mixed number.
325/16 = _____

ANS: 20 5/16

PTS: 1   MSC: Practice Problems

5. Change the following improper fraction to a whole or mixed number.
1,500/100 = _____

ANS: 15

PTS: 1   MSC: Practice Problems

6. Change the following improper fraction to a whole or mixed number.
193/62 = _____

ANS: 3 7/62

PTS: 1   MSC: Practice Problems

7. Change the following mixed number to an improper fraction.
12 1/8 = _____

ANS: 97/8

PTS: 1   MSC: Practice Problems

8. Change the following mixed number to an improper fraction.
29 2/3 = _____

ANS: 89/3

PTS: 1   MSC: Practice Problems

9. Perform the indicated operation and reduce to lowest terms.
1/12 + 6/12 + 5/12 = ____

ANS: 1

PTS: 1   MSC: Practice Problems

10. Perform the indicated operation and reduce to lowest terms.
3/8 – 1/3 = _____

ANS: 1/24

PTS: 1   MSC: Practice Problems

11. Perform the indicated operation and reduce to lowest terms.
$4/5 \times 5/16 =$ _____

ANS: 1/4

PTS: 1   MSC: Practice Problems

12. Perform the indicated operation and reduce to lowest terms.
$1/12 \times 1/15 =$ _____

ANS: 1/180

PTS: 1   MSC: Practice Problems

13. Perform the indicated operation and reduce to lowest terms.
$3/5 \div 5 =$ _____

ANS: 3/25

PTS: 1   MSC: Practice Problems

14. Perform the indicated operation and reduce to lowest terms.
$1/100 \div 1/200 =$ _____

ANS: 2

PTS: 1   MSC: Practice Problems

15. Indicate which fraction is the largest.
1/100, 1/150, 1/200: _____

ANS: 1/100

PTS: 1   MSC: Practice Problems

16. Arrange the following fractions from smallest to largest.
1/6, 1/5, 1/8, 1/4, 1/3: _____

ANS: 1/8, 1/6, 1/5, 1/4, 1/3

PTS: 1   MSC: Practice Problems

17. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
$1/5 + 1/2 + 1/4 =$ _____

ANS: 19/20

18. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
16 5/6 – 14 3/8 = _____

ANS: 2 11/24

PTS: 1   MSC: Practice Problems

19. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
6 10/12 × 15/3 = _____

ANS: 34 1/6

PTS: 1   MSC: Practice Problems

20. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
56 ÷ 9/20 = _____

ANS: 124 4/9

PTS: 1   MSC: Practice Problems

21. Indicate the largest number in the following set.
5/6, 5/8: _____

ANS: 5/6

PTS: 1   MSC: Practice Problems

22. Indicate the largest number in the following set.
1/30, 1/4, 1/150: _____

ANS: 1/4

PTS: 1   MSC: Practice Problems

23. Reduce the following fraction to lowest terms.
34/102 = _____

ANS: 1/3

PTS: 1   MSC: Practice Problems

24. Reduce the following fraction to lowest terms.
60/1200 = _____

ANS: 1/20

PTS: 1   MSC: Practice Problems

25. Express the following improper fraction as a mixed number. Reduce to lowest terms.

24/18 = _____

ANS: 1 1/3

PTS: 1   MSC: Practice Problems

26. Express the following improper fraction as a mixed number. Reduce to lowest terms.
     15/13 = _____

ANS: 1 2/13

PTS: 1   MSC: Practice Problems

27. Change the following mixed number to an improper fraction.
     9 1/9 = _____

ANS: 82/9

PTS: 1   MSC: Practice Problems

28. Change the following mixed number to an improper fraction.
     6 7/10 = _____

ANS: 67/10

PTS: 1   MSC: Practice Problems

29. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
     6 5/16 + 5 3/16 = _____

ANS: 11 1/2

PTS: 1   MSC: Practice Problems

30. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
     4 3/10 + 2 2/10 = _____

ANS: 6 1/2

PTS: 1   MSC: Practice Problems

31. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
     3 1/5 + 3 2/3 + 2 1/2 = _____

ANS: 12 11/30

PTS: 1   MSC: Practice Problems

32. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
     1 2/4 + 3 1/3 = _____

ANS: 4 5/6

33. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
    15/21 – 10/21 = _____

    ANS: 5/21

    PTS: 1   MSC: Practice Problems

34. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
    8/16 – 1/4 = _____

    ANS: 1/4

    PTS: 1   MSC: Practice Problems

35. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
    14 – 5/9 = _____

    ANS: 13 4/9

    PTS: 1   MSC: Practice Problems

36. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
    6 1/4 – 2 5/8 = ____

    ANS: 3 5/8

    PTS: 1   MSC: Practice Problems

37. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
    5 1/3 – 1 7/12 = _____

    ANS: 3 3/4

    PTS: 1   MSC: Practice Problems

38. A client received 2 1/2 ounces (oz) of medication at breakfast and 2 1/3 oz at lunch. How
    many oz of medication has the client received? _____

    ANS: 4 5/6 oz

    PTS: 1   MSC: Practice Problems

39. A client weighed 147 1/2 pounds (lb), lost 6 3/4 lb due to illness. How many pounds does the
    client now weigh? ____

    ANS: 140 3/4 lb

    PTS: 1   MSC: Practice Problems

40. A client drank 2/3 of a 12 ounce (oz) can of seltzer water. How many ounces of seltzer water did the client drink? _____

    ANS: 8 oz

    PTS: 1   MSC: Practice Problems

41. A client is supposed to drink a 10 ounce (oz) bottle of magnesium citrate before an X-ray study. The client was able to drink 4 oz. How much of the magnesium citrate remains? (Express answer as a fraction reduced to lowest terms.) _____

    ANS: 2/5 bottle

    PTS: 1   MSC: Practice Problems

42. The nurse is instructed to give a client 2/3 of a cup of solution. If 1 cup = 240 milliliters (mL), how many mL should the nurse administer? _____

    ANS: 160 mL

    PTS: 1   MSC: Practice Problems

Chapter 03: Decimals
Gray Morris: Calculate with Confidence, 7th Edition

COMPLETION

1. Change the following to a decimal. Carry division three places as indicated. Do not round off.
   1/64 = _____

    ANS: 0.015

    PTS: 1   MSC: Practice Problems

2. Change the following to a decimal. Carry division three places as indicated. Do not round off.
   5/18 = _____

    ANS: 0.277

    PTS: 1   MSC: Practice Problems

3. Change the following decimal to a fraction. Reduce to lowest terms if indicated.

    7.025 = _____

    ANS: 7 1/40

    PTS: 1   MSC: Practice Problems

4. Change the following decimal to a fraction. Reduce to lowest terms if indicated.

    0.0001 = _____

ANS: 1/10,000

PTS: 1   MSC: Practice Problems

5. Identify the decimal with the largest value in the following set.

   0.6, 0.128 = _____

   ANS: 0.6

   PTS: 1   MSC: Practice Problems

6. Identify the decimal with the largest value in the following set.

   0.7, 0.67, 0.86: _____

   ANS: 0.86

   PTS: 1   MSC: Practice Problems

7. Round off the following decimal to the nearest tenth.

   3.539 = _____

   ANS: 3.5

   PTS: 1   MSC: Practice Problems

8. Round off the following decimal to the nearest thousandth.

   0.6253 = _____

   ANS: 0.625

   PTS: 1   MSC: Practice Problems

9. Perform the indicated operation with decimals.

   64.1– 0.009 = _____

   ANS: 64.091

   PTS: 1   MSC: Practice Problems

10. Perform the indicated operation with decimals.

    0.123 + 0.4 = _____

    ANS: 0.523

    PTS: 1   MSC: Practice Problems

11. Perform the indicated operation with decimals.

$0.46 \times 0.17 =$ _____

ANS: 0.0782

PTS: 1   MSC: Practice Problems

12. Divide the following decimal. Express answer to nearest hundredth.

$0.1 \div 0.375 =$ _____

ANS: 0.27

PTS: 1   MSC: Practice Problems

13. Change the following to a decimal.

$1.25\% =$ _____

ANS: 0.0125

PTS: 1   MSC: Practice Problems

14. Indicate the largest number in the following set.

0.75, 0.749: _____

ANS: 0.75

PTS: 1   MSC: Practice Problems

15. Indicate the largest number in the following set.

0.001, 1.25, 1.09: _____

ANS: 1.25

PTS: 1   MSC: Practice Problems

16. Perform the indicated operation with decimals.

$0.98 + 0.76 =$ _____

ANS: 1.74

PTS: 1   MSC: Practice Problems

17. Perform the indicated operation with decimals.

$9.123 - 6.055 =$ _____