

Calculate with Confidence 7th Edition Test Bank

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.

$$7 \times 2 = \underline{\hspace{2cm}}$$

ANS: xiv

PTS: 1 MSC: Practice Problems

2. Perform the indicated operation and record the result in lowercase Roman numerals.

$$29 - 1 = \underline{\hspace{2cm}}$$

ANS: xxviii

PTS: 1 MSC: Practice Problems

3. Perform the indicated operation and record the result in lowercase Roman numerals.

$$3 \times 10 = \underline{\hspace{2cm}}$$

ANS: xxx

PTS: 1 MSC: Practice Problems

4. Perform the indicated operation and record the result in lowercase Roman numerals.

$$10 + 2 = \underline{\hspace{2cm}}$$

ANS: xii

PTS: 1 MSC: Practice Problems

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

$$18 = \underline{\hspace{2cm}}$$

ANS: xviii

PTS: 1 MSC: Practice Problems

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

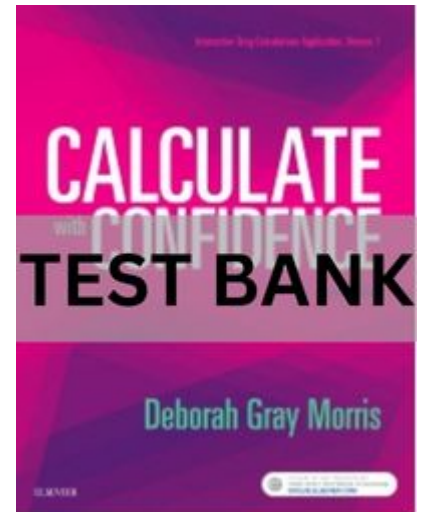
$$21 = \underline{\hspace{2cm}}$$

ANS: xxi

PTS: 1 MSC: Practice Problems

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

$$11 \frac{1}{2} = \underline{\hspace{2cm}}$$



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ANS: xiss

PTS: 1 MSC: Practice Problems

8. Perform the indicated operation and record the result in lowercase Roman numerals.
 $6 \times 3 = \underline{\hspace{2cm}}$

ANS: xviii

PTS: 1 MSC: Practice Problems

9. Perform the indicated operation and record the result in lowercase Roman numerals.
 $30 - 6 = \underline{\hspace{2cm}}$

ANS: xxiv

PTS: 1 MSC: Practice Problems

10. Perform the indicated operation and record the result in lowercase Roman numerals.
 $12 \div 2 = \underline{\hspace{2cm}}$

ANS: vi

PTS: 1 MSC: Practice Problems

11. Perform the indicated operation and record the result in lowercase Roman numerals.
 $13 + 7 = \underline{\hspace{2cm}}$

ANS: xx

PTS: 1 MSC: Practice Problems

Chapter 02: Fractions

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COMPLETION

1. Reduce the following fraction to lowest terms.
 $54/81 = \underline{\hspace{2cm}}$

ANS: 2/3

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2. Reduce the following fraction to lowest terms.
 $105/135 = \underline{\hspace{2cm}}$

ANS: 7/9

PTS: 1 MSC: Practice Problems

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3. Reduce the following fraction to lowest terms.

$$39/65 = \underline{\hspace{2cm}}$$

ANS: 3/5

PTS: 1 MSC: Practice Problems

4. Change the following improper fraction to a whole or mixed number.

$$325/16 = \underline{\hspace{2cm}}$$

ANS: 20 5/16

PTS: 1 MSC: Practice Problems

5. Change the following improper fraction to a whole or mixed number.

$$1,500/100 = \underline{\hspace{2cm}}$$

ANS: 15

PTS: 1 MSC: Practice Problems

6. Change the following improper fraction to a whole or mixed number.

$$193/62 = \underline{\hspace{2cm}}$$

ANS: 3 7/62

PTS: 1 MSC: Practice Problems

7. Change the following mixed number to an improper fraction.

$$12 \frac{1}{8} = \underline{\hspace{2cm}}$$

ANS: 97/8

PTS: 1 MSC: Practice Problems

8. Change the following mixed number to an improper fraction.

$$29 \frac{2}{3} = \underline{\hspace{2cm}}$$

ANS: 89/3

PTS: 1 MSC: Practice Problems

9. Perform the indicated operation and reduce to lowest terms.

$$1/12 + 6/12 + 5/12 = \underline{\hspace{2cm}}$$

ANS: 1

PTS: 1 MSC: Practice Problems

10. Perform the indicated operation and reduce to lowest terms.

$$3/8 - 1/3 = \underline{\hspace{2cm}}$$

ANS: 1/24

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11. Perform the indicated operation and reduce to lowest terms.

$$4/5 \times 5/16 = \underline{\hspace{2cm}}$$

ANS: 1/4

PTS: 1 MSC: Practice Problems

12. Perform the indicated operation and reduce to lowest terms.

$$1/12 \times 1/15 = \underline{\hspace{2cm}}$$

ANS: 1/180

PTS: 1 MSC: Practice Problems

13. Perform the indicated operation and reduce to lowest terms.

$$3/5 \div 5 = \underline{\hspace{2cm}}$$

ANS: 3/25

PTS: 1 MSC: Practice Problems

14. Perform the indicated operation and reduce to lowest terms.

$$1/100 \div 1/200 = \underline{\hspace{2cm}}$$

ANS: 2

PTS: 1 MSC: Practice Problems

15. Indicate which fraction is the largest.

$$1/100, 1/150, 1/200: \underline{\hspace{2cm}}$$

ANS: 1/100

PTS: 1 MSC: Practice Problems

16. Arrange the following fractions from smallest to largest.

$$1/6, 1/5, 1/8, 1/4, 1/3: \underline{\hspace{2cm}}$$

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.

$$1/5 + 1/2 + 1/4 = \underline{\hspace{2cm}}$$

ANS: 19/20

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18. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.

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$$16 \frac{5}{6} - 14 \frac{3}{8} = \underline{\hspace{2cm}}$$

ANS: $2 \frac{11}{24}$

PTS: 1 MSC: Practice Problems

19. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.

$$6 \frac{10}{12} \times 15/3 = \underline{\hspace{2cm}}$$

ANS: $34 \frac{1}{6}$

PTS: 1 MSC: Practice Problems

20. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.

$$56 \div 9/20 = \underline{\hspace{2cm}}$$

ANS: $124 \frac{4}{9}$

PTS: 1 MSC: Practice Problems

21. Indicate the largest number in the following set.

$$5/6, 5/8: \underline{\hspace{2cm}}$$

ANS: $5/6$

PTS: 1 MSC: Practice Problems

22. Indicate the largest number in the following set.

$$1/30, 1/4, 1/150: \underline{\hspace{2cm}}$$

ANS: $1/4$

PTS: 1 MSC: Practice Problems

23. Reduce the following fraction to lowest terms.

$$34/102 = \underline{\hspace{2cm}}$$

ANS: $1/3$

PTS: 1 MSC: Practice Problems

24. Reduce the following fraction to lowest terms.

$$60/1200 = \underline{\hspace{2cm}}$$

ANS: $1/20$

PTS: 1 MSC: Practice Problems

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

$$24/18 = \underline{\hspace{2cm}}$$

ANS: $1 \frac{1}{3}$

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PTS: 1 MSC: Practice Problems

26. Express the following improper fraction as a mixed number. Reduce to lowest terms.
 $15/13 = \underline{\hspace{2cm}}$

ANS: $1 \frac{2}{13}$

PTS: 1 MSC: Practice Problems

27. Change the following mixed number to an improper fraction.
 $9 \frac{1}{9} = \underline{\hspace{2cm}}$

ANS: $82/9$

PTS: 1 MSC: Practice Problems

28. Change the following mixed number to an improper fraction.
 $6 \frac{7}{10} = \underline{\hspace{2cm}}$

ANS: $67/10$

PTS: 1 MSC: Practice Problems

29. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
 $6 \frac{5}{16} + 5 \frac{3}{16} = \underline{\hspace{2cm}}$

ANS: $11 \frac{1}{2}$

PTS: 1 MSC: Practice Problems

30. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
 $4 \frac{3}{10} + 2 \frac{2}{10} = \underline{\hspace{2cm}}$

ANS: $6 \frac{1}{2}$

PTS: 1 MSC: Practice Problems

31. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
 $3 \frac{1}{5} + 3 \frac{2}{3} + 2 \frac{1}{2} = \underline{\hspace{2cm}}$

ANS: $12 \frac{11}{30}$

PTS: 1 MSC: Practice Problems

32. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
 $1 \frac{2}{4} + 3 \frac{1}{3} = \underline{\hspace{2cm}}$

ANS: $4 \frac{5}{6}$

PTS: 1 MSC: Practice Problems

33. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
 $15/21 - 10/21 = \underline{\hspace{2cm}}$

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ANS: 5/21

PTS: 1 MSC: Practice Problems

34. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
 $8/16 - 1/4 = \underline{\hspace{2cm}}$

ANS: 1/4

PTS: 1 MSC: Practice Problems

35. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
 $14 - 5/9 = \underline{\hspace{2cm}}$

ANS: 13 4/9

PTS: 1 MSC: Practice Problems

36. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
 $6 \frac{1}{4} - 2 \frac{5}{8} = \underline{\hspace{2cm}}$

ANS: 3 5/8

PTS: 1 MSC: Practice Problems

37. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
 $5 \frac{1}{3} - 1 \frac{7}{12} = \underline{\hspace{2cm}}$

ANS: 3 3/4

PTS: 1 MSC: Practice Problems

38. A client received $2 \frac{1}{2}$ ounces (oz) of medication at breakfast and $2 \frac{1}{3}$ oz at lunch. How many oz of medication has the client received? $\underline{\hspace{2cm}}$

ANS: 4 5/6 oz

PTS: 1 MSC: Practice Problems

39. A client weighed $147 \frac{1}{2}$ pounds (lb), lost $6 \frac{3}{4}$ lb due to illness. How many pounds does the client now weigh? $\underline{\hspace{2cm}}$

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? $\underline{\hspace{2cm}}$

ANS: 8 oz

PTS: 1 MSC: Practice Problems

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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 $\frac{2}{3}$ 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

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COMPLETION

1. Change the following to a decimal. Carry division three places as indicated. Do not round off.
 $\frac{1}{64} =$ _____

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.
 $\frac{5}{18} =$ _____

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 $\frac{1}{40}$

PTS: 1 MSC: Practice Problems

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

0.0001 = _____

ANS: $\frac{1}{10,000}$

PTS: 1 MSC: Practice Problems

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

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$$0.6, 0.128 = \underline{\hspace{2cm}}$$

ANS: 0.6

PTS: 1 MSC: Practice Problems

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

$$0.7, 0.67, 0.86: \underline{\hspace{2cm}}$$

ANS: 0.86

PTS: 1 MSC: Practice Problems

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

$$3.539 = \underline{\hspace{2cm}}$$

ANS: 3.5

PTS: 1 MSC: Practice Problems

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

$$0.6253 = \underline{\hspace{2cm}}$$

ANS: 0.625

PTS: 1 MSC: Practice Problems

9. Perform the indicated operation with decimals.

$$64.1 - 0.009 = \underline{\hspace{2cm}}$$

ANS: 64.091

PTS: 1 MSC: Practice Problems

10. Perform the indicated operation with decimals.

$$0.123 + 0.4 = \underline{\hspace{2cm}}$$

ANS: 0.523

PTS: 1 MSC: Practice Problems

11. Perform the indicated operation with decimals.

$$0.46 \times 0.17 = \underline{\hspace{2cm}}$$

ANS: 0.0782

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PTS: 1 MSC: Practice Problems

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

$$0.1 \div 0.375 = \underline{\hspace{2cm}}$$

ANS: 0.27

PTS: 1 MSC: Practice Problems

13. Change the following to a decimal.

$$1.25\% = \underline{\hspace{2cm}}$$

ANS: 0.0125

PTS: 1 MSC: Practice Problems

14. Indicate the largest number in the following set.

$$0.75, 0.749: \underline{\hspace{2cm}}$$

ANS: 0.75

PTS: 1 MSC: Practice Problems

15. Indicate the largest number in the following set.

$$0.001, 1.25, 1.09: \underline{\hspace{2cm}}$$

ANS: 1.25

PTS: 1 MSC: Practice Problems

16. Perform the indicated operation with decimals.

$$0.98 + 0.76 = \underline{\hspace{2cm}}$$

ANS: 1.74

PTS: 1 MSC: Practice Problems

17. Perform the indicated operation with decimals.

$$9.123 - 6.055 = \underline{\hspace{2cm}}$$

ANS: 3.068

PTS: 1 MSC: Practice Problems

18. Perform the indicated operation with decimals.