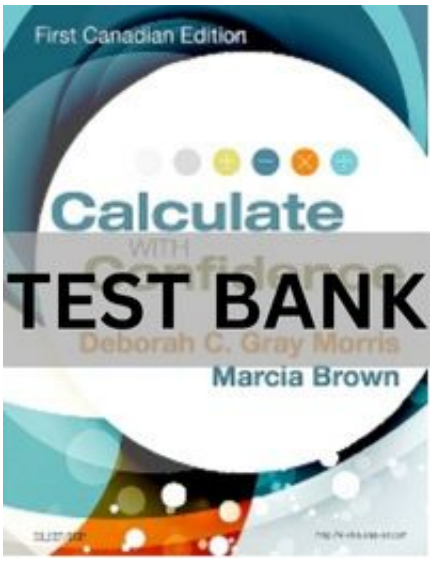
Calculate with Confidence (Canadian Edition) 1st Edition Test Bank

Chapter 01: Fractions
Gray Morris: Calculate with Confidence, 1st Canadian Edition



COMPLETION

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

   ANS: 2/3

   PTS: 1 REF: Page 10

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

   ANS: 7/9

   PTS: 1 REF: Page 10

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

   ANS: 3/5

   PTS: 1 REF: Page 10

4. Change the following improper fraction to a whole or mixed number. If the answer is a mixed number, put a space between the whole number and the fraction.
   325/16 = _____

   ANS: 20 5/16

   PTS: 1 REF: Page 8

5. Change the following improper fraction to a whole or mixed number. If the answer is a mixed number, put a space between the whole number and the fraction.
   1,500/100 = _____

   ANS: 15

   PTS: 1 REF: Page 8

6. Change the following improper fraction to a whole or mixed number. If the answer is a mixed number, put a space between the whole number and the fraction.
   193/62 = _____

   ANS: 3 7/62

   PTS: 1 REF: Page 8

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

12 1/8 = _____

ANS: 97/8

PTS: 1 REF: Page 8

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

ANS: 89/3

PTS: 1 REF: Page 8

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

ANS: 1

PTS: 1 REF: Page 11

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

ANS: 1/24

PTS: 1 REF: Page 12

11. Perform the indicated operation and reduce the result to its lowest terms.
4/5 × 5/16 = _____

ANS: 1/4

PTS: 1 REF: Page 14

12. Perform the indicated operation and reduce the result to its lowest terms.
1/12 × 1/15 = _____

ANS: 1/180

PTS: 1 REF: Page 14

13. Perform the indicated operation and reduce the result to its lowest terms.
3/5 ÷ 5 = _____

ANS: 3/25

PTS: 1 REF: Page 15

14. Perform the indicated operation and reduce the result to its lowest terms.
1/100 ÷ 1/200 = _____

ANS: 2

PTS: 1 REF: Page 15

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

ANS: 1/100

PTS: 1 REF: Page 8

16. Arrange the following fractions from smallest to largest. After each fraction place a comma followed by a space.
1/6, 1/5, 1/8, 1/4, 1/3: _____

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

PTS: 1 REF: Page 8

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

ANS: 19/20

PTS: 1 REF: Page 11

18. Perform the indicated operation with fractions. Reduce each to its lowest terms. If the answer is a mixed number, put a space between the whole number and the fraction.
16 5/6 - 14 3/8 = _____

ANS: 2 11/24

PTS: 1 REF: Page 13

19. Perform the indicated operation with fractions. Reduce each to its lowest terms. If the answer is a mixed number, put a space between the whole number and the fraction.
6 10/12 × 15/3 = _____

ANS: 34 1/6

PTS: 1 REF: Page 15

20. Perform the indicated operation with fractions. Reduce each to its lowest terms. If the answer is a mixed number, put a space between the whole number and the fraction.
56 ÷ 9/20 = _____

ANS: 124 4/9

PTS: 1 REF: Page 15

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

ANS: 5/6

PTS: 1 REF: Page 8

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

ANS: 1/4

PTS: 1 REF: Page 8

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

ANS: 1/3

PTS: 1 REF: Page 10

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

ANS: 1/20

PTS: 1 REF: Page 10

25. Express the following improper fraction as a mixed number. Reduce it to its lowest terms. With a mixed number, put a space between the whole number and the fraction.
24/18 = _____

ANS: 1 1/3

PTS: 1 REF: Page 8 | Page 10

26. Express the following improper fraction as a mixed number. Reduce it to its lowest terms. With a mixed number, put a space between the whole number and the fraction.
15/13 = _____

ANS: 1 2/13

PTS: 1 REF: Page 8 | Page 10

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

ANS: 82/9

PTS: 1 REF: Page 8

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

ANS: 67/10

PTS: 1 REF: Page 8

29. Perform the indicated operation with fractions. Reduce each to its lowest terms. If the answer is a mixed number, put a space between the whole number and the fraction.
6 5/16 + 5 3/16 = _____

ANS: 11 1/2

PTS: 1 REF: Page 12

30. Perform the indicated operation with fractions. Reduce each to its lowest terms. If the answer is a mixed number, put a space between the whole number and the fraction.
4 3/10 + 2 2/10 = _____

ANS: 6 1/2

PTS: 1 REF: Page 12

31. Perform the indicated operation with fractions. Reduce each to its lowest terms. If the answer is a mixed number, put a space between the whole number and the fraction.
3 1/5 + 3 2/3 + 2 1/2 = _____

ANS: 9 11/30

PTS: 1 REF: Page 12

32. Perform the indicated operation with fractions. Reduce each to its lowest terms. If the answer is a mixed number, put a space between the whole number and the fraction.
1 2/4 + 3 1/3 = _____

ANS: 4 5/6

PTS: 1 REF: Page 12

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

ANS: 5/21

PTS: 1 REF: Page 12

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

ANS: 1/4

PTS: 1 REF: Page 12

35. Perform the indicated operation with fractions. Reduce the result to its lowest terms. If the answer is a mixed number, put a space between the whole number and the fraction.
14 – 5/9 = _____

ANS: 13 4/9

PTS: 1 REF: Page 14

36. Perform the indicated operation with fractions. Reduce the result to its lowest terms. If the answer is a mixed number, put a space between the whole number and the fraction.
6 1/4 – 2 5/8 = _____

ANS: 3 5/8

PTS: 1 REF: Page 14

37. Perform the indicated operation with fractions. Reduce the result to its lowest terms. If the answer is a mixed number, put a space between the whole number and the fraction.
5 1/3 – 1 7/12 = _____

ANS: 3 3/4

PTS: 1 REF: Page 14

38. A patient received 2 1/2 pills at breakfast and 2 1/3 pills at lunch. How many pills has the patient received? If the answer is a mixed number, put a space between the whole number and the fraction. _____ pills

ANS: 4 5/6

PTS: 1 REF: Page 12

39. A patient who weighed 51 1/2 kilograms (kg) lost 2 3/4 kg due to illness. How many kilograms does the patient now weigh? If the answer is a mixed number, put a space between the whole number and the fraction. ____ kg

ANS: 48 3/4

PTS: 1 REF: Page 12

40. A patient drank 1/2 of a 1-litre can of seltzer water. How many millilitres (mL) of seltzer water did the patient drink? _____ mL

ANS: 500

PTS: 1 REF: Page 14

41. A patient is supposed to drink a 300-millilitre (mL) bottle of magnesium citrate before an X-ray study. The patient was able to drink 120 mL. How much of the magnesium citrate remains? Express the answer as a fraction reduced to its lowest terms. _____ mL

ANS: 2/5

PTS: 1 REF: Page 10

42. The nurse is instructed to give a patient 2/3 of a 240-millilitre (mL) cup of solution. How many mL should the nurse administer? _____ mL

ANS: 160

PTS: 1 REF: Page 14

Chapter 02: Decimals
Gray Morris: Calculate with Confidence, 1st Canadian Edition

COMPLETION

1. Change the following to a decimal. Express the answer to the nearest thousandth; if the answer is less than 1, place a 0 to the left of the decimal.
   1/64 = _____

   ANS: 0.015

   PTS: 1 REF: Page 34

2. Change the following to a decimal. Express the answer to the nearest thousandth; if the answer is less than 1, place a 0 to the left of the decimal.
   5/18 = _____

   ANS: 0.277

   PTS: 1 REF: Page 34

3. Change the following decimal to a fraction. Reduce to the lowest terms. If the answer is a mixed number, place a space between the whole number and the fraction.
   7.025 = _____

   ANS: 7 1/40

   PTS: 1 REF: Page 35

4. Change the following decimal to a fraction. Reduce to the lowest terms. If the answer has a number greater than 999, a space is to be put after the thousands place, for example 6 000 or 30 000.
   0.0001 = _____

   ANS: 1/10 000

   PTS: 1 REF: Page 35

5. Identify the decimal with the largest value in the following set.
   0.6, 0.128 = _____

   ANS: 0.6

   PTS: 1 REF: Pages 26–27

6. Identify the decimal with the largest value in the following set.
   0.7, 0.67, 0.86: _____

ANS: 0.86

PTS: 1 REF: Pages 26–27

7. Round off the following decimal to the nearest tenth.
3.539 = _____

ANS: 3.5

PTS: 1 REF: Pages 32–33

8. Round off the following decimal to the nearest thousandth; if the answer is less than 1, place a 0 to the left of the decimal.
0.6253 = _____

ANS: 0.625

PTS: 1 REF: Pages 32–33

9. Perform the indicated operation with decimals. Express the answer to the nearest thousandth.
64.1 – 0.009 = _____

ANS: 64.091

PTS: 1 REF: Pages 27–28

10. Perform the indicated operation with decimals. Express the answer to the nearest thousandth; if the answer is less than 1, place a 0 to the left of the decimal.
0.123 + 0.4 = _____

ANS: 0.523

PTS: 1 REF: Pages 27–28

11. Perform the indicated operation with decimals. Express the answer to the nearest thousandth; if the answer is less than 1, place a 0 to the left of the decimal.
0.46 × 0.17 = _____

ANS: 0.078

PTS: 1 REF: Page 29

12. Divide the following decimal. Express the answer to the nearest hundredth; if the answer is less than 1, place a 0 to the left of the decimal.
0.1 ÷ 0.375 = _____

ANS: 0.27

PTS: 1 REF: Page 32

13. Change the following to a decimal. Express the answer to the nearest ten-thousandth; if the answer is less than 1, place a 0 to the left of the decimal.

1.25% = _____

ANS: 0.0125

PTS: 1 REF: Pages 23–24

14. Indicate the largest number in the following set. If the answer is less than 1, place a 0 to the left of the decimal.
0.75, 0.749: _____

ANS: 0.75

PTS: 1 REF: Pages 26–27

15. Indicate the largest number in the following set.
0.001, 1.25, 1.09: _____

ANS: 1.25

PTS: 1 REF: Pages 26–27

16. Perform the indicated operation with decimals. Express the answer to the nearest hundredth.
0.98 + 0.76 = _____

ANS: 1.74

PTS: 1 REF: Pages 27–28

17. Perform the indicated operation with decimals. Express the answer to the nearest thousandth.
9.123 – 6.055 = _____

ANS: 3.068

PTS: 1 REF: Pages 27–28

18. Perform the indicated operation with decimals. If the answer has a number greater than 999, a space is to be put after the thousands place, for example 6 000 or 30 000.
60 ÷ 0.012 = _____

ANS: 5 000

PTS: 1 REF: Pages 31–32

19. Perform the indicated operation with decimals. Express the answer to the nearest thousandth.
66.66 × 3.33 = _____

ANS: 221.978

PTS: 1 REF: Page 30

20. Change the following decimal to a fraction. Reduce the result to its lowest terms.
0.010 = _____

ANS: 1/100

PTS: 1 REF: Pages 34–35

21. Change the following decimal to a fraction. Reduce the result to its lowest terms.
0.006 = _____

ANS: 3/500

PTS: 1 REF: Pages 34–35

22. Round off the following decimal to the nearest tenth. If the answer less than 1, place a 0 to the left of the decimal.
0.52 = _____

ANS: 0.5

PTS: 1 REF: Pages 34–35

23. Round off the following decimal to the nearest hundredth.
2.457 = _____

ANS: 2.46

PTS: 1 REF: Page 33

24. Round off the following decimal to the nearest tenth.
28.66 = _____

ANS: 28.7

PTS: 1 REF: Page 33

25. Round off the following decimal to the nearest tenth.
1.45 = _____

ANS: 1.5

PTS: 1 REF: Page 33

26. Round off the following decimal to the nearest thousandth. If the answer is less than 1, place a 0 to the left of the decimal.
0.3333 = _____

ANS: 0.333

PTS: 1 REF: Page 33

27. A patient weighed 75.4 kilograms (kg) in February. In March the patient gained 1.6 kg. In April the patient gained 2.2 kg. How much did the patient weigh in April? Express the answer to the nearest tenth. _____ kg