

Chapter 01: Fractions

Gray Morris: Calculate with Confidence, 1st Canadian Edition

COMPLETION

1. Reduce the following fraction to its lowest terms.

$$54/81 = \underline{\hspace{2cm}}$$

ANS: $2/3$

PTS: 1

REF: Page 10

2. Reduce the following fraction to its lowest terms.

$$105/135 = \underline{\hspace{2cm}}$$

ANS: $7/9$

PTS: 1

REF: Page 10

3. Reduce the following fraction to its lowest terms.

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

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.

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

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.

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

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.

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

ANS: $3\ 7/62$

PTS: 1

REF: Page 8

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

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

ANS: $97/8$

PTS: 1

REF: Page 8

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

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

ANS: $89/3$

PTS: 1

REF: Page 8

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

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

ANS: 1

PTS: 1

REF: Page 11

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

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

ANS: $1/24$

PTS: 1

REF: Page 12

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

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

ANS: $1/4$

PTS: 1

REF: Page 14

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

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

ANS: $1/180$

PTS: 1

REF: Page 14

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

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

ANS: $3/25$

PTS: 1

REF: Page 15

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

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

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.
 $16 \frac{5}{6} - 14 \frac{3}{8} =$ _____

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

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.
 $6 \frac{10}{12} \times 15/3 =$ _____

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

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.
 $56 \div 9/20 =$ _____

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

PTS: 1 REF: Page 15

21. Indicate the largest number in the following set.

$\frac{5}{6}$, $\frac{5}{8}$: _____

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

PTS: 1

REF: Page 8

22. Indicate the largest number in the following set.

$\frac{1}{30}$, $\frac{1}{4}$, $\frac{1}{150}$: _____

ANS: $\frac{1}{4}$

PTS: 1

REF: Page 8

23. Reduce the following fraction to its lowest terms.

$\frac{34}{102} =$ _____

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

PTS: 1

REF: Page 10

24. Reduce the following fraction to its lowest terms.

$\frac{60}{1200} =$ _____

ANS: $\frac{1}{20}$

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.

$\frac{24}{18} =$ _____

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

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.

$\frac{15}{13} =$ _____

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

PTS: 1

REF: Page 8 | Page 10

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

$9 \frac{1}{9} =$ _____

ANS: $\frac{82}{9}$

PTS: 1

REF: Page 8

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

$$6\frac{7}{10} = \underline{\hspace{2cm}}$$

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.

$$6\frac{5}{16} + 5\frac{3}{16} = \underline{\hspace{2cm}}$$

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

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.

$$4\frac{3}{10} + 2\frac{2}{10} = \underline{\hspace{2cm}}$$

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

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.

$$3\frac{1}{5} + 3\frac{2}{3} + 2\frac{1}{2} = \underline{\hspace{2cm}}$$

ANS: $9\frac{11}{30}$

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.

$$1\frac{2}{4} + 3\frac{1}{3} = \underline{\hspace{2cm}}$$

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

PTS: 1

REF: Page 12

33. Perform the indicated operation with fractions. Reduce the result to its lowest terms.

$$15/21 - 10/21 = \underline{\hspace{2cm}}$$

ANS: $5/21$

PTS: 1

REF: Page 12

34. Perform the indicated operation with fractions. Reduce the result to its lowest terms.

$$8/16 - 1/4 = \underline{\hspace{2cm}}$$

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.

$$14 - 5/9 = \underline{\hspace{2cm}}$$

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.

$$6 \frac{1}{4} - 2 \frac{5}{8} = \underline{\hspace{2cm}}$$

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.

$$5 \frac{1}{3} - 1 \frac{7}{12} = \underline{\hspace{2cm}}$$

ANS: 3 3/4

PTS: 1

REF: Page 14

38. A patient received $2 \frac{1}{2}$ pills at breakfast and $2 \frac{1}{3}$ 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 $51 \frac{1}{2}$ kilograms (kg) lost $2 \frac{3}{4}$ 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 $\frac{1}{2}$ 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: $\frac{2}{5}$

PTS: 1

REF: Page 10

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

ANS: 160

PTS: 1

REF: Page 14