

Chapter 02: Fractions

Gray Morris: Calculate with Confidence, 7th Edition

COMPLETION

1. Reduce the following fraction to lowest terms.

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

ANS: 2/3

PTS: 1 MSC: Practice Problems

2. Reduce the following fraction to lowest terms.

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

ANS: 7/9

PTS: 1 MSC: Practice Problems

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

ANS: 1

PTS: 1 MSC: Practice Problems

10. Perform the indicated operation and reduce to lowest terms.
 $\frac{3}{8} - \frac{1}{3} = \underline{\hspace{2cm}}$

ANS: 1/24

PTS: 1 MSC: Practice Problems

11. Perform the indicated operation and reduce to lowest terms.
 $\frac{4}{5} \times \frac{5}{16} = \underline{\hspace{2cm}}$

ANS: 1/4

PTS: 1 MSC: Practice Problems

12. Perform the indicated operation and reduce to lowest terms.
 $\frac{1}{12} \times \frac{1}{15} = \underline{\hspace{2cm}}$

ANS: 1/180

PTS: 1 MSC: Practice Problems

13. Perform the indicated operation and reduce to lowest terms.
 $\frac{3}{5} \div 5 = \underline{\hspace{2cm}}$

ANS: 3/25

PTS: 1 MSC: Practice Problems

14. Perform the indicated operation and reduce to lowest terms.
 $\frac{1}{100} \div \frac{1}{200} = \underline{\hspace{2cm}}$

ANS: 2

PTS: 1 MSC: Practice Problems

15. Indicate which fraction is the largest.

$\frac{1}{100}$, $\frac{1}{150}$, $\frac{1}{200}$: _____

ANS: $\frac{1}{100}$

PTS: 1 MSC: Practice Problems

16. Arrange the following fractions from smallest to largest.

$\frac{1}{6}$, $\frac{1}{5}$, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{1}{3}$: _____

ANS: $\frac{1}{8}$, $\frac{1}{6}$, $\frac{1}{5}$, $\frac{1}{4}$, $\frac{1}{3}$

PTS: 1 MSC: Practice Problems

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

$\frac{1}{5} + \frac{1}{2} + \frac{1}{4} =$ _____

ANS: $\frac{19}{20}$

PTS: 1 MSC: Practice Problems

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

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

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

PTS: 1 MSC: Practice Problems

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

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

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

PTS: 1 MSC: Practice Problems

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

$56 \div \frac{9}{20} =$ _____

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

PTS: 1 MSC: Practice Problems

21. Indicate the largest number in the following set.

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

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

PTS: 1 MSC: Practice Problems

22. Indicate the largest number in the following set.

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

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

PTS: 1

MSC: Practice Problems

23. Reduce the following fraction to lowest terms.

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

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

PTS: 1

MSC: Practice Problems

24. Reduce the following fraction to lowest terms.

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

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

PTS: 1

MSC: Practice Problems

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

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

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

PTS: 1

MSC: Practice Problems

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

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

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

PTS: 1

MSC: Practice Problems

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

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

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

PTS: 1

MSC: Practice Problems

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

$6 \frac{7}{10} =$ _____

ANS: $\frac{67}{10}$

PTS: 1

MSC: Practice Problems

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

$6 \frac{5}{16} + 5 \frac{3}{16} =$ _____

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

ANS: $\frac{5}{21}$

PTS: 1 MSC: Practice Problems

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

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

PTS: 1 MSC: Practice Problems

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

ANS: $13 \frac{4}{9}$

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: $3 \frac{5}{8}$

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: $3 \frac{3}{4}$

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: $4 \frac{5}{6}$ 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: $140 \frac{3}{4}$ lb

PTS: 1 MSC: Practice Problems

40. A client drank $\frac{2}{3}$ 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

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.) $\underline{\hspace{2cm}}$

ANS: $\frac{2}{5}$ 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? $\underline{\hspace{2cm}}$

ANS: 160 mL

PTS: 1 MSC: Practice Problems