

## Chapter 02: Fractions

### Gray Morris: Calculate with Confidence, 7th Edition

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#### 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:  $20 \frac{5}{16}$

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:  $3 \frac{7}{62}$

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:  $1/24$

PTS: 1 MSC: Practice Problems

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.

$1/100, 1/150, 1/200$ : \_\_\_\_\_

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:  $19/20$

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.

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

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

PTS: 1                    MSC: Practice Problems

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

$56 \div 9/20 =$  \_\_\_\_\_

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

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

PTS: 1                    MSC: Practice Problems

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

$15/13 =$  \_\_\_\_\_

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

PTS: 1                    MSC: Practice Problems

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

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

ANS:  $82/9$

PTS: 1                    MSC: Practice Problems

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

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

ANS:  $67/10$

PTS: 1                    MSC: Practice Problems

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

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

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