CALCULATE WITH CONFIDENCE 7TH EDITION MORRIS TEST BANK

TEST BANK

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Chapter 02: Fractions
Gray Morris: Calculate with Confidence, 7th Edition

COMPLETION

1. Reduce the following fraction to lowest terms.
   \[ \frac{54}{81} = \ldots \]
   ANS: \( \frac{2}{3} \)
   PTS: 1  MSC: Practice Problems

2. Reduce the following fraction to lowest terms.
   \[ \frac{105}{135} = \ldots \]
   ANS: \( \frac{7}{9} \)
   PTS: 1  MSC: Practice Problems

3. Reduce the following fraction to lowest terms.
   \[ \frac{39}{65} = \ldots \]
   ANS: \( \frac{3}{5} \)
   PTS: 1  MSC: Practice Problems

4. Change the following improper fraction to a whole or mixed number.
   \[ \frac{325}{16} = \ldots \]
   ANS: \( 20 \frac{5}{16} \)
   PTS: 1  MSC: Practice Problems

5. Change the following improper fraction to a whole or mixed number.
   \[ \frac{1500}{100} = \ldots \]
   ANS: 15
   PTS: 1  MSC: Practice Problems

6. Change the following improper fraction to a whole or mixed number.
   \[ \frac{193}{62} = \ldots \]
   ANS: \( 3 \frac{7}{62} \)
   PTS: 1  MSC: Practice Problems

7. Change the following mixed number to an improper fraction.
   \[ 12 \frac{1}{8} = \ldots \]
8. Change the following mixed number to an improper fraction.
   \[29 \frac{2}{3} = \frac{89}{3}\]
   ANS: \(\frac{89}{3}\)
   PTS: 1          MSC: Practice Problems

9. Perform the indicated operation and reduce to lowest terms.
   \[\frac{1}{12} + \frac{6}{12} + \frac{5}{12} = 1\]
   ANS: 1
   PTS: 1          MSC: Practice Problems

10. Perform the indicated operation and reduce to lowest terms.
    \[\frac{3}{8} - \frac{1}{3} = \frac{1}{24}\]
    ANS: \(\frac{1}{24}\)
    PTS: 1          MSC: Practice Problems

11. Perform the indicated operation and reduce to lowest terms.
    \[\frac{4}{5} \times \frac{5}{16} = \frac{1}{4}\]
    ANS: \(\frac{1}{4}\)
    PTS: 1          MSC: Practice Problems

12. Perform the indicated operation and reduce to lowest terms.
    \[\frac{1}{12} \times \frac{1}{15} = \frac{1}{180}\]
    ANS: \(\frac{1}{180}\)
    PTS: 1          MSC: Practice Problems

13. Perform the indicated operation and reduce to lowest terms.
    \[\frac{3}{5} \div 5 = \frac{3}{25}\]
    ANS: \(\frac{3}{25}\)
    PTS: 1          MSC: Practice Problems

14. Perform the indicated operation and reduce to lowest terms.
    \[\frac{1}{100} \div \frac{1}{200} = 2\]
    ANS: 2
15. Indicate which fraction is the largest.
   1/100, 1/150, 1/200: _____
   ANS: 1/100

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

17. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
   1/5 + 1/2 + 1/4 = _____
   ANS: 19/20

18. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
   16 5/6 – 14 3/8 = _____
   ANS: 2 11/24

19. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
   6 10/12 × 15/3 = _____
   ANS: 34 1/6

20. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
   56 ÷ 9/20 = _____
   ANS: 124 4/9

21. Indicate the largest number in the following set.
   5/6, 5/8: _____
   ANS: 5/6
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 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 2/13

PTS: 1  
MSC: Practice Problems

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

ANS: 82/9

PTS: 1  
MSC: Practice Problems

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

ANS: 67/10

PTS: 1  
MSC: Practice Problems

29. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
6 5/16 + 5 3/16 = ____
30. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
   \[ 4 \frac{3}{10} + 2 \frac{2}{10} = \ldots \]
   ANS: \(6 \frac{1}{2}\)
   PTS: 1

31. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
   \[ 3 \frac{1}{5} + 3 \frac{2}{3} + 2 \frac{1}{2} = \ldots \]
   ANS: \(12 \frac{11}{30}\)
   PTS: 1

32. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
   \[ 1 \frac{2}{4} + 3 \frac{1}{3} = \ldots \]
   ANS: \(4 \frac{5}{6}\)
   PTS: 1

33. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
   \[ \frac{15}{21} - \frac{10}{21} = \ldots \]
   ANS: \(\frac{5}{21}\)
   PTS: 1

34. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
   \[ \frac{8}{16} - \frac{1}{4} = \ldots \]
   ANS: \(\frac{1}{4}\)
   PTS: 1

35. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
   \[ 14 - \frac{5}{9} = \ldots \]
   ANS: \(13 \frac{4}{9}\)
   PTS: 1

36. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
   \[ 6 \frac{1}{4} - 2 \frac{5}{8} = \ldots \]
   ANS: \(3 \frac{5}{8}\)
37. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.
5 \( \frac{1}{3} \) – 1 \( \frac{7}{12} \) = _____

ANS: 3 \( \frac{3}{4} \)

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? _____

ANS: 4 \( \frac{5}{6} \) oz

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? _____

ANS: 140 \( \frac{3}{4} \) lb

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? _____

ANS: 8 oz

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: \( \frac{2}{5} \) bottle

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