

# TEST BANK



11th Edition  
**BUSINESS MATH**

CHERYL CLEAVES • MARGIE HOBBS • JEFFREY NOBLE

**MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.**

**Classify the fraction as proper or improper.**

- 1)  $\frac{3}{5}$  1) \_\_\_\_\_  
A) proper B) improper
- 2)  $\frac{47}{6}$  2) \_\_\_\_\_  
A) improper B) proper
- 3)  $\frac{4}{4}$  3) \_\_\_\_\_  
A) proper B) improper
- 4)  $\frac{1}{2}$  4) \_\_\_\_\_  
A) proper B) improper
- 5)  $\frac{4}{6}$  5) \_\_\_\_\_  
A) improper B) proper

**Provide an appropriate response.**

- 6) The top term in a fraction is called the numerator. 6) \_\_\_\_\_  
A) True B) False
- 7) The bottom term in a fraction is the divisor or the number that divides into the numerator. 7) \_\_\_\_\_  
A) True B) False
- 8) The horizontal line that separates the numerator and the denominator is called the dividend. 8) \_\_\_\_\_  
A) True B) False
- 9) A proper fraction has a value greater than 1. 9) \_\_\_\_\_  
A) True B) False
- 10) A fraction with a numerator that is less than the denominator is called an improper fraction. 10) \_\_\_\_\_  
A) True B) False
- 11) An improper fraction has a value equal to or less than 1. 11) \_\_\_\_\_  
A) True B) False
- 12) Before you can add or subtract fractions, they must have the same denominators. 12) \_\_\_\_\_  
A) True B) False

**Write the fraction as a whole or mixed number.**

13)  $\frac{43}{21}$  13) \_\_\_\_\_  
A)  $2\frac{1}{21}$  B)  $3\frac{1}{21}$  C)  $1\frac{1}{21}$  D)  $2\frac{1}{7}$

14)  $\frac{82}{13}$  14) \_\_\_\_\_  
A)  $5\frac{4}{13}$  B)  $6\frac{6}{13}$  C)  $6\frac{4}{13}$  D)  $7\frac{4}{13}$

15)  $\frac{78}{13}$  15) \_\_\_\_\_  
A)  $6\frac{2}{13}$  B) 6 C) 5 D) 7

16)  $\frac{7}{7}$  16) \_\_\_\_\_  
A) 1 B) 0 C) 77 D) 7

17)  $\frac{42}{10}$  17) \_\_\_\_\_  
A)  $4\frac{2}{5}$  B)  $5\frac{1}{5}$  C)  $4\frac{1}{5}$  D)  $3\frac{1}{5}$

18)  $\frac{15}{6}$  18) \_\_\_\_\_  
A)  $2\frac{5}{6}$  B)  $3\frac{1}{2}$  C)  $2\frac{1}{2}$  D)  $1\frac{1}{2}$

**Solve the problem.**

19) For every 100 shoppers in a bookstore, \$613 dollars worth of books are sold. Express the number of dollars spent per shopper as a whole or mixed number. 19) \_\_\_\_\_  
A)  $5\frac{13}{100}$  B)  $6\frac{13}{100}$  C)  $7\frac{3}{10}$  D) 6

**Provide an appropriate response.**

20) To change an improper fraction into a whole or mixed number, you need only divide the denominator by the numerator. 20) \_\_\_\_\_  
A) True B) False

21) When an improper fraction is converted, if there is a remainder, it is a whole number. 21) \_\_\_\_\_  
A) True B) False

22) When an improper fraction is converted, if there is a remainder, it is: 22) \_\_\_\_\_  
A) a whole number. B) the numerator.  
C) a prime number. D) the denominator.

- 23) To convert mixed numbers to improper fractions you would: 23) \_\_\_\_\_  
A) multiply the whole number times the denominator of the fraction and add the product to the original numerator.  
B) none of these.  
C) multiply the whole number times the numerator of the fraction and add the product to the original denominator.  
D) multiply the whole number times the denominator of the fraction and add the whole number to the denominator.

- 24) When converting mixed numbers to improper fractions, the denominator of the improper fraction will be the same as the \_\_\_\_\_ of the fractional part of the mixed number. 24) \_\_\_\_\_  
A) LCD  
B) denominator  
C) numerator  
D) none of the above

**Write the whole or mixed number as an improper fraction.**

- 25)  $7\frac{4}{9}$  25) \_\_\_\_\_  
A)  $\frac{67}{9}$                       B)  $\frac{11}{9}$                       C)  $\frac{68}{9}$                       D)  $\frac{37}{9}$

- 26)  $27\frac{1}{7}$  26) \_\_\_\_\_  
A) 4                              B)  $\frac{191}{7}$                       C)  $\frac{34}{7}$                       D)  $\frac{190}{7}$

- 27)  $16\frac{7}{10}$  27) \_\_\_\_\_  
A)  $\frac{112}{10}$                       B)  $\frac{177}{10}$                       C)  $\frac{167}{10}$                       D)  $\frac{23}{10}$

**Provide an appropriate response.**

- 28) An equivalent number is a converted whole or mixed number that has the same numerical value as the original fraction. 28) \_\_\_\_\_  
A) True                              B) False

- 29) In converting mixed numbers to improper fractions, the numerator of the improper fraction will be the same as the numerator of the fractional part of the mixed number. 29) \_\_\_\_\_  
A) True                              B) False

- 30) To convert mixed numbers to improper fractions, multiply the whole number times the denominator of the fraction and add the product to the original denominator. 30) \_\_\_\_\_  
A) True                              B) False

**Reduce to lowest terms.**

- 31)  $\frac{2}{8}$  31) \_\_\_\_\_  
A)  $\frac{2}{4}$                               B)  $\frac{1}{8}$                               C)  $\frac{1}{4}$                               D)  $\frac{4}{1}$

32)  $\frac{3}{15}$  32) \_\_\_\_\_  
 A)  $\frac{1}{5}$  B)  $\frac{2}{10}$  C)  $\frac{2}{6}$  D)  $\frac{1}{15}$

33)  $\frac{30}{40}$  33) \_\_\_\_\_  
 A)  $\frac{10}{4}$  B)  $\frac{3}{4}$  C)  $\frac{3}{10}$  D)  $\frac{30}{40}$

**Solve the problem.**

34) A Fortune 500 company reported profits of approximately \$260 million with approximately \$440 million in revenues. Compare the profit to revenue by writing as a fraction in lowest terms. 34) \_\_\_\_\_  
 A)  $\frac{29}{49}$  B)  $\frac{22}{13}$  C)  $\frac{439}{259}$  D)  $\frac{13}{22}$

**Find the greatest common divisor (GCD) for the following then simplify the fraction.**

35)  $\frac{16}{28}$  35) \_\_\_\_\_  
 A) GCD = 3;  $\frac{7}{4}$  B) GCD = 5;  $\frac{4}{7}$  C) GCD = 4;  $\frac{7}{4}$  D) GCD = 4;  $\frac{4}{7}$

**Provide an appropriate response.**

36) After fractions have been added, subtracted, multiplied, or divided, the fraction in the answer should be increased to its highest terms. 36) \_\_\_\_\_  
 A) True B) False

37) If you multiply or divide both parts of a fraction by the same number, the value of the fraction does not change. 37) \_\_\_\_\_  
 A) True B) False

38) A fraction is in lowest terms when there is no number that can be divided evenly into the numerator and denominator. 38) \_\_\_\_\_  
 A) True B) False

39) The letters GCD stand for Greatest Common Divisor. 39) \_\_\_\_\_  
 A) True B) False

40) The greatest common divisor can be zero. 40) \_\_\_\_\_  
 A) True B) False

41) Fractions should never be reduced to their lowest terms. 41) \_\_\_\_\_  
 A) True B) False

- 42) To reduce a fraction to its lowest terms: 42) \_\_\_\_\_  
A) multiply the numerator and the denominator by the same number.  
B) add the same number to the numerator and the denominator.  
C) subtract the same number from the numerator and the denominator.  
D) divide the numerator and the denominator by the same number.

- 43) The largest possible number that will divide equally into 2 or more other numbers is called the: 43) \_\_\_\_\_  
A) least common denominator. B) denominator.  
C) numerator. D) greatest common divisor.

**Change the fraction to an equivalent fraction with the given denominator.**

- 44)  $\frac{3}{7} = \frac{?}{14}$  44) \_\_\_\_\_  
A)  $\frac{5}{14}$  B)  $\frac{6}{14}$  C)  $\frac{21}{14}$  D)  $\frac{8}{14}$

- 45)  $\frac{2}{3} = \frac{?}{9}$  45) \_\_\_\_\_  
A)  $\frac{6}{9}$  B)  $\frac{9}{9}$  C)  $\frac{0}{9}$  D)  $\frac{2}{9}$

**Provide an appropriate response.**

- 46) You can rewrite a fraction to higher terms by adding the numerator and the denominator. 46) \_\_\_\_\_  
A) True B) False

- 47) Raising a fraction to higher terms changes the value of the fraction. 47) \_\_\_\_\_  
A) True B) False

**Perform the indicated operation. Write the sum as a fraction, whole number, or mixed number in lowest terms.**

- 48)  $\frac{2}{10} + \frac{1}{10} + \frac{1}{10}$  48) \_\_\_\_\_  
A)  $\frac{2}{10}$  B)  $\frac{2}{1000}$  C)  $\frac{2}{5}$  D)  $\frac{4}{30}$

- 49)  $\frac{4}{5} + \frac{1}{5}$  49) \_\_\_\_\_  
A)  $\frac{1}{2}$  B) 1 C)  $\frac{5}{10}$  D)  $\frac{5}{5}$

- 50)  $\frac{7}{9} + \frac{1}{9}$  50) \_\_\_\_\_  
A)  $\frac{7}{9}$  B)  $\frac{9}{10}$  C)  $\frac{7}{8}$  D)  $\frac{8}{9}$

51)  $\frac{5}{8} + \frac{1}{8}$

51) \_\_\_\_\_

A)  $\frac{4}{5}$

B)  $\frac{3}{4}$

C)  $\frac{2}{4}$

D)  $\frac{2}{3}$

**Find the difference. Write the difference in lowest terms.**

52)  $\frac{6}{2} - \frac{5}{2}$

52) \_\_\_\_\_

A)  $\frac{11}{2}$

B)  $\frac{1}{2}$

C) 15

D)  $\frac{1}{4}$

53)  $\frac{6}{28} - \frac{2}{28}$

53) \_\_\_\_\_

A)  $\frac{2}{7}$

B)  $\frac{1}{7}$

C)  $\frac{3}{7}$

D)  $\frac{1}{14}$

**Provide an appropriate response.**

54) A prime number is any number larger than 1 that is divisible only by itself and 1.

54) \_\_\_\_\_

A) True

B) False

55) Which of the following statements is correct?

55) \_\_\_\_\_

A) a prime number can be divided only by 1 and itself

B) prime numbers are also known as least common denominators

C) prime numbers are the reciprocals of fractions

D) none of these

56) Which of the following is not a prime number?

56) \_\_\_\_\_

A) 19

B) 29

C) 9

D) 41

57) Before fractions may be added or subtracted, they must all have the same:

57) \_\_\_\_\_

A) divisor

B) numerator

C) denominator

D) dividend

**SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.**

58) When you add or subtract fractions, you must first change the fractions so that they have the same \_\_\_\_\_.

58) \_\_\_\_\_

59) When you add fractions with the same denominator, you add the \_\_\_\_\_ and then place that number over the denominator and \_\_\_\_\_ to the lowest terms.

59) \_\_\_\_\_

60) When you subtract fractions with the same denominator, you simply subtract the \_\_\_\_\_, place the difference over the denominator, and reduce to the lowest terms.

60) \_\_\_\_\_

**MULTIPLE CHOICE.** Choose the one alternative that best completes the statement or answers the question.

**Perform the indicated operation. Write the sum as a fraction, whole number, or mixed number in lowest terms.**

61)  $\frac{1}{4} + \frac{1}{8}$  61) \_\_\_\_\_

- A)  $\frac{1}{6}$                       B)  $\frac{3}{8}$                       C)  $\frac{1}{4}$                       D)  $\frac{13}{32}$

62)  $\frac{1}{3} + \frac{1}{9}$  62) \_\_\_\_\_

- A)  $\frac{1}{6}$                       B)  $\frac{4}{9}$                       C)  $\frac{13}{27}$                       D)  $\frac{2}{9}$

63)  $\frac{1}{4} + \frac{7}{12}$  63) \_\_\_\_\_

- A)  $\frac{1}{2}$                       B) 2                      C)  $\frac{2}{3}$                       D)  $\frac{5}{6}$

64)  $5\frac{7}{8} + 1\frac{3}{8}$  64) \_\_\_\_\_

- A)  $6\frac{7}{8}$                       B)  $6\frac{1}{4}$                       C)  $6\frac{10}{8}$                       D)  $7\frac{1}{4}$

65)  $9\frac{1}{7} + 14\frac{3}{4}$  65) \_\_\_\_\_

- A)  $22\frac{25}{28}$                       B)  $9\frac{25}{28}$                       C)  $23\frac{25}{28}$                       D)  $24\frac{25}{28}$

66)  $20\frac{4}{7} + 17\frac{2}{7} + 14\frac{5}{7}$  66) \_\_\_\_\_

- A)  $51\frac{4}{7}$                       B) 52                      C)  $52\frac{4}{7}$                       D)  $53\frac{4}{7}$

67)  $5\frac{2}{3} + 5\frac{1}{3} + \frac{2}{3}$  67) \_\_\_\_\_

- A)  $12\frac{2}{3}$                       B)  $11\frac{2}{3}$                       C)  $11\frac{1}{2}$                       D)  $10\frac{2}{3}$

68)  $14\frac{1}{3} + 4\frac{2}{3} + \frac{1}{3}$  68) \_\_\_\_\_

- A)  $19\frac{1}{3}$                       B)  $20\frac{1}{3}$                       C)  $19\frac{1}{2}$                       D)  $18\frac{1}{3}$



69)  $6\frac{1}{4} + 6\frac{1}{8} + 1\frac{1}{4}$  69) \_\_\_\_\_  
 A)  $13\frac{5}{8}$  B)  $13\frac{3}{16}$  C)  $13\frac{3}{8}$  D)  $13\frac{3}{32}$

70)  $3\frac{1}{3} + 1\frac{3}{16} + 1\frac{1}{8}$  70) \_\_\_\_\_  
 A)  $5\frac{21}{16}$  B)  $5\frac{31}{48}$  C)  $6\frac{31}{48}$  D)  $5\frac{5}{27}$

71)  $6\frac{1}{4} + 2\frac{3}{8} + 3\frac{5}{12}$  71) \_\_\_\_\_  
 A)  $12\frac{1}{96}$  B)  $11\frac{1}{24}$  C)  $11\frac{3}{8}$  D)  $12\frac{1}{24}$

72)  $5\frac{2}{3} + 3\frac{8}{9} + 6\frac{4}{5}$  72) \_\_\_\_\_  
 A)  $14\frac{14}{17}$  B)  $318\frac{16}{45}$  C)  $16\frac{16}{45}$  D)  $16\frac{106}{45}$

**Provide an appropriate response.**

73) The least common denominator of  $\frac{3}{8}$ ,  $\frac{1}{4}$ , and  $\frac{7}{32}$  is: 73) \_\_\_\_\_  
 A) 8 B) 32 C) 16 D) 64

74) The least common denominator of  $\frac{1}{3}$ ,  $\frac{5}{12}$ ,  $\frac{5}{6}$ , and  $\frac{3}{4}$  is: 74) \_\_\_\_\_  
 A) 6 B) 3 C) 4 D) 12

**SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.**

75) When adding fractions with different denominators, you must first find the \_\_\_\_\_. 75) \_\_\_\_\_

**MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.**

**Find the difference. Write the difference in lowest terms.**

76)  $\frac{1}{7} - \frac{1}{12}$  76) \_\_\_\_\_  
 A)  $\frac{5}{84}$  B)  $\frac{1}{84}$  C)  $\frac{1}{7}$  D)  $\frac{5}{7}$

77)  $\frac{5}{9} - \frac{4}{8}$  77) \_\_\_\_\_  
 A)  $\frac{1}{72}$  B)  $\frac{1}{18}$  C)  $\frac{4}{9}$  D)  $\frac{1}{9}$

- 78)  $8\frac{4}{13} - 5\frac{3}{13}$  78) \_\_\_\_\_  
 A)  $3\frac{7}{13}$  B)  $13\frac{1}{13}$  C)  $3\frac{1}{13}$  D)  $3\frac{7}{26}$
- 79)  $19\frac{4}{7} - 9\frac{5}{7}$  79) \_\_\_\_\_  
 A)  $9\frac{6}{7}$  B)  $9\frac{5}{7}$  C)  $28\frac{6}{7}$  D)  $27\frac{6}{7}$
- 80)  $13\frac{5}{7} - 5\frac{1}{2}$  80) \_\_\_\_\_  
 A)  $8\frac{9}{14}$  B)  $7\frac{9}{14}$  C)  $6\frac{11}{14}$  D)  $8\frac{3}{14}$
- 81)  $15 - 6\frac{2}{3}$  81) \_\_\_\_\_  
 A)  $14\frac{1}{3}$  B)  $9\frac{2}{3}$  C)  $8\frac{1}{3}$  D)  $9\frac{1}{3}$
- 82)  $7\frac{7}{12} - 5$  82) \_\_\_\_\_  
 A)  $7\frac{1}{6}$  B)  $\frac{7}{12}$  C)  $44\frac{7}{12}$  D)  $2\frac{7}{12}$

**Solve the problem.**

- 83) Ellen is knitting a scarf with one  $5\frac{1}{3}$ -inch blue stripe, one  $2\frac{1}{6}$ -inch green stripe, and one 6-inch white stripe. How wide is the scarf? 83) \_\_\_\_\_  
 A)  $3\frac{8}{11}$  in. B)  $\frac{2}{27}$  in. C)  $\frac{11}{41}$  in. D)  $13\frac{1}{2}$  in.
- 84) While shopping for a party, June bought 4 pounds of hamburger,  $1\frac{6}{7}$  pounds of chicken, and  $1\frac{5}{8}$  pounds of ham. How much meat did she buy? 84) \_\_\_\_\_  
 A)  $\frac{56}{419}$  lb B)  $\frac{9}{19}$  lb C)  $2\frac{1}{9}$  lb D)  $7\frac{27}{56}$  lb
- 85) A laminated lab bench has  $2\frac{2}{3}$  inches of plywood,  $2\frac{1}{5}$  inches of pressed board, and  $\frac{4}{11}$  inch of formica. What is the thickness of the lab bench? 85) \_\_\_\_\_  
 A)  $5\frac{38}{165}$  in. B)  $\frac{19}{23}$  in. C)  $1\frac{4}{19}$  in. D)  $\frac{165}{863}$  in.

- 86) To obtain a certain shade of paint, Peter mixed  $2\frac{1}{2}$  gallons of white paint with  $5\frac{2}{3}$  gallons of brown and  $2\frac{4}{5}$  gallons of blue paint. How much paint did he have? 86) \_\_\_\_\_
- A)  $\frac{16}{51}$  gal                      B)  $10\frac{29}{30}$  gal                      C)  $\frac{30}{329}$  gal                      D)  $3\frac{3}{16}$  gal
- 87) Jeff studied math for  $1\frac{7}{8}$  hours, history for  $1\frac{5}{7}$  hours, and physics for  $4\frac{3}{4}$  hours. How long did he study? 87) \_\_\_\_\_
- A)  $2\frac{8}{19}$  hr                      B)  $\frac{19}{46}$  hr                      C)  $8\frac{19}{56}$  hr                      D)  $\frac{56}{467}$  hr
- 88) Peter must practice the piano  $6\frac{1}{3}$  hours per week. He has already practiced  $3\frac{2}{5}$  hours. How many more hours does he need to practice? 88) \_\_\_\_\_
- A)  $\frac{1}{4}$  hr                      B)  $\frac{2}{15}$  hr                      C)  $2\frac{14}{15}$  hr                      D)  $5\frac{1}{2}$  hr
- 89) A nail  $2\frac{1}{3}$  inches long is driven into a board  $2\frac{1}{4}$  inches thick. How much of the nail protrudes from the other side of the board? 89) \_\_\_\_\_
- A)  $\frac{5}{24}$  in.                      B)  $\frac{1}{2}$  in.                      C)  $\frac{1}{12}$  in.                      D)  $\frac{1}{5}$  in.
- 90) Jake wants to work  $5\frac{1}{2}$  hours at his part-time job this week. He has already worked  $1\frac{1}{3}$  hours. How many more hours does he need to work? 90) \_\_\_\_\_
- A)  $\frac{3}{8}$  hr                      B)  $\frac{1}{4}$  hr                      C)  $6\frac{1}{4}$  hr                      D)  $4\frac{1}{6}$  hr
- 91) There were  $15\frac{1}{2}$  yards of fabric on a bolt. After a customer bought  $3\frac{3}{5}$  yards of fabric, how many yards were left? 91) \_\_\_\_\_
- A)  $1\frac{6}{7}$  yd                      B)  $1\frac{3}{10}$  yd                      C) 17 yd                      D)  $11\frac{9}{10}$  yd
- 92) A tank contains  $3\frac{2}{3}$  gallons of water. Its capacity is  $4\frac{1}{4}$  gallons. How much more water is needed to fill it? 92) \_\_\_\_\_
- A) 1 gal                      B)  $\frac{6}{7}$  gal                      C)  $\frac{7}{12}$  gal                      D)  $\frac{1}{2}$  gal

- 93) Brian was training to run a marathon. During the three-day period before the race he decided that he would train for a total of 11 hours. If he trained for  $1\frac{2}{5}$  hours on the first day and  $2\frac{7}{10}$  hours on the second day, how many hours would he need to train on the third day? 93) \_\_\_\_\_
- A)  $6\frac{9}{10}$  hr                      B) 7 hr                      C)  $7\frac{1}{10}$  hr                      D)  $7\frac{9}{10}$  hr

**Find the product.**

- 94)  $\frac{2}{3} \times \frac{1}{2}$  94) \_\_\_\_\_
- A)  $\frac{5}{12}$                       B)  $\frac{3}{4}$                       C)  $\frac{1}{3}$                       D)  $\frac{5}{8}$
- 95)  $\frac{3}{7} \times \frac{2}{3}$  95) \_\_\_\_\_
- A)  $\frac{1}{2}$                       B)  $\frac{2}{7}$                       C)  $\frac{14}{9}$                       D)  $\frac{1}{7}$
- 96)  $2\frac{2}{9} \times \frac{1}{5}$  96) \_\_\_\_\_
- A)  $2\frac{4}{9}$                       B)  $\frac{2}{9}$                       C)  $2\frac{2}{45}$                       D)  $\frac{4}{9}$
- 97)  $3\frac{6}{7} \times 7\frac{7}{9}$  97) \_\_\_\_\_
- A) 34                      B) 31                      C) 30                      D)  $21\frac{42}{63}$
- 98)  $3\frac{1}{2} \times 3\frac{3}{7}$  98) \_\_\_\_\_
- A) 9                      B) 7                      C) 11                      D) 12
- 99)  $2\frac{2}{5} \times 3\frac{1}{3}$  99) \_\_\_\_\_
- A)  $7\frac{1}{3}$                       B)  $6\frac{4}{5}$                       C)  $6\frac{2}{15}$                       D) 8
- 100)  $1\frac{1}{5} \times 2\frac{1}{10}$  100) \_\_\_\_\_
- A)  $2\frac{1}{50}$                       B)  $4\frac{1}{50}$                       C)  $2\frac{3}{25}$                       D)  $2\frac{13}{25}$
- 101)  $6 \times \frac{1}{6}$  101) \_\_\_\_\_
- A) 36                      B) 1                      C)  $\frac{1}{36}$                       D)  $\frac{6}{36}$

102)  $\frac{1}{2} \times 10$

A) 5

B)  $\frac{1}{20}$ 

C) 20

D)  $\frac{10}{20}$ 

102) \_\_\_\_\_

**Provide an appropriate response.**

103) When you multiply or divide fractions, you must first find the common denominator.

A) True

B) False

103) \_\_\_\_\_

104) When multiplying two proper fractions, the product:

A) is always a proper fraction

B) has a value between the two fractions

C) has a value equal to 1

D) is always greater than 1

104) \_\_\_\_\_

105) Reducing before multiplying:

A) is an alternative method for multiplying fractions

B) has a definite set of rules

C) results in multiplying a number evenly times the top and bottom of a fraction or fractions

D) raises fractions to their highest terms

105) \_\_\_\_\_

106) When you multiply fractions, you do not have to use:

A) products

B) quotients

C) reciprocals

D) none of these

106) \_\_\_\_\_

**Find the reciprocal.**

107)  $\frac{6}{7}$

A)  $\frac{1}{6}$ B)  $\frac{7}{1}$ 

C) 7

D)  $\frac{7}{6}$ 

107) \_\_\_\_\_

108)  $\frac{1}{5}$

A) 5

B) 1

C)  $\frac{1}{5}$ 

D) 0

108) \_\_\_\_\_

109)  $\frac{1}{12}$

A) 1

B) 12

C)  $\frac{1}{12}$ 

D) 0

109) \_\_\_\_\_

110) 6

A) 6

B)  $\frac{1}{6}$ 

C) 1

D)  $\frac{6}{1}$ 

110) \_\_\_\_\_

111) 12

A)  $\frac{12}{1}$ 

B) 12

C)  $\frac{1}{12}$ 

D) 1

111) \_\_\_\_\_

- 112)  $3\frac{7}{8}$  112) \_\_\_\_\_  
 A)  $\frac{31}{8}$  B)  $\frac{1}{31}$  C)  $\frac{8}{31}$  D)  $\frac{1}{8}$

**Provide an appropriate response.**

- 113) Multiplication and division of fractions are totally dissimilar activities requiring separate skills. 113) \_\_\_\_\_  
 A) True B) False
- 114) The following two numbers are considered to be reciprocals:  $\frac{27}{8}$  and  $\frac{8}{27}$ . 114) \_\_\_\_\_  
 A) True B) False
- 115) If the product of two numbers is 1, they are said to be: 115) \_\_\_\_\_  
 A) quotients. B) unequal.  
 C) mixed numbers. D) reciprocals.
- 116) The reciprocal is used: 116) \_\_\_\_\_  
 A) to replace the cancellation method B) in dividing whole numbers  
 C) in multiplying fractions D) in dividing fractions

**SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.**

- 117) Two numbers are \_\_\_\_\_ if their product is 1 after being multiplied. 117) \_\_\_\_\_

**MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.**

**Find the quotient.**

- 118)  $\frac{3}{4} \div \frac{5}{8}$  118) \_\_\_\_\_  
 A)  $2\frac{2}{15}$  B)  $1\frac{1}{5}$  C)  $\frac{15}{32}$  D)  $\frac{5}{6}$
- 119)  $\frac{2}{21} \div \frac{4}{7}$  119) \_\_\_\_\_  
 A) 168 B)  $\frac{2}{3}$  C)  $\frac{1}{6}$  D) 6
- 120)  $\frac{3}{7} \div \frac{1}{5}$  120) \_\_\_\_\_  
 A)  $\frac{1}{3}$  B)  $\frac{3}{7}$  C)  $\frac{3}{35}$  D)  $2\frac{1}{7}$
- 121)  $\frac{3}{8} \div 1\frac{4}{5}$  121) \_\_\_\_\_  
 A)  $1\frac{13}{27}$  B)  $\frac{5}{24}$  C)  $\frac{27}{40}$  D)  $4\frac{4}{5}$



- 133) The floor of a rectangular room is to be tiled with  $\frac{1}{3}$  foot square tiles along a  $6\frac{3}{8}$  foot wall. How many tiles will be needed along the wall? 133) \_\_\_\_\_
- A)  $2\frac{1}{8}$  tiles                      B)  $18\frac{3}{8}$  tiles                      C)  $19\frac{1}{8}$  tiles                      D) 21 tiles



## Answer Key

Testname: UNTITLED22

- 1) A
- 2) A
- 3) B
- 4) A
- 5) B
- 6) A
- 7) A
- 8) B
- 9) B
- 10) B
- 11) B
- 12) A
- 13) A
- 14) C
- 15) B
- 16) A
- 17) C
- 18) C
- 19) B
- 20) B
- 21) B
- 22) B
- 23) A
- 24) B
- 25) A
- 26) D
- 27) C
- 28) A
- 29) B
- 30) B
- 31) C
- 32) A
- 33) B
- 34) D
- 35) D
- 36) B
- 37) A
- 38) A
- 39) A
- 40) B
- 41) B
- 42) D
- 43) D
- 44) B
- 45) A
- 46) B
- 47) B
- 48) C
- 49) B
- 50) D

## Answer Key

Testname: UNTITLED22

- 51) B
- 52) B
- 53) B
- 54) A
- 55) A
- 56) C
- 57) C
- 58) denominator
- 59) numerators, reduce
- 60) numerators
- 61) B
- 62) B
- 63) D
- 64) D
- 65) C
- 66) C
- 67) B
- 68) A
- 69) A
- 70) B
- 71) D
- 72) C
- 73) B
- 74) D
- 75) Least Common Denominator
- 76) A
- 77) B
- 78) C
- 79) A
- 80) D
- 81) C
- 82) D
- 83) D
- 84) D
- 85) A
- 86) B
- 87) C
- 88) C
- 89) C
- 90) D
- 91) D
- 92) C
- 93) A
- 94) C
- 95) B
- 96) D
- 97) C
- 98) D
- 99) D
- 100) D

## Answer Key

Testname: UNTITLED22

- 101) B
- 102) A
- 103) B
- 104) A
- 105) A
- 106) C
- 107) D
- 108) A
- 109) B
- 110) B
- 111) C
- 112) C
- 113) B
- 114) A
- 115) D
- 116) D
- 117) reciprocals
- 118) B
- 119) C
- 120) D
- 121) B
- 122) A
- 123) B
- 124) B
- 125) common denominator
- 126) multiplication
- 127) multiply, reciprocal
- 128) B
- 129) C
- 130) B
- 131) D
- 132) C
- 133) C