

**TEST BANK**



BUSINESS  
MATH  
10th Edition



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**TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.**

- 1) The top term in a fraction is called the numerator. 1) \_\_\_\_\_
- 2) The bottom term in a fraction is the divisor or the number that divides into the numerator. 2) \_\_\_\_\_
- 3) The horizontal line that separates the numerator and the denominator is called the dividend. 3) \_\_\_\_\_
- 4) The fraction  $\frac{8}{9}$  is a proper fraction. 4) \_\_\_\_\_
- 5) A proper fraction has a value greater than 1. 5) \_\_\_\_\_
- 6) A fraction with a numerator that is less than the denominator is called an improper fraction. 6) \_\_\_\_\_
- 7) An improper fraction has a value equal to or less than 1. 7) \_\_\_\_\_
- 8) The number  $1\frac{3}{5}$  is a mixed number. 8) \_\_\_\_\_
- 9) After fractions have been added, subtracted, multiplied, or divided, the fraction in the answer should be increased to its highest terms. 9) \_\_\_\_\_
- 10) To change an improper fraction into a whole or mixed number, you need only divide the denominator by the numerator. 10) \_\_\_\_\_
- 11) An equivalent number is a converted whole or mixed number that has the same numerical value as the original fraction. 11) \_\_\_\_\_
- 12) When an improper fraction is converted, if there is a remainder, it is a whole number. 12) \_\_\_\_\_
- 13)  $\frac{546}{12}$  converted to a mixed or whole number is  $45\frac{1}{2}$ . 13) \_\_\_\_\_
- 14) 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. 14) \_\_\_\_\_
- 15) 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. 15) \_\_\_\_\_
- 16)  $17\frac{5}{8}$  converted to an improper fraction is  $\frac{141}{8}$ . 16) \_\_\_\_\_
- 17) If you multiply or divide both parts of a fraction by the same number, the value of the fraction does not change. 17) \_\_\_\_\_

- 18) A fraction is at its lowest terms when there is no number that can be divided evenly into the numerator and denominator. 18) \_\_\_\_\_
- 19) The fraction  $\frac{368}{1296}$  is at its lowest terms. 19) \_\_\_\_\_
- 20) The letters GCD stand for Greatest Common Divisor. 20) \_\_\_\_\_
- 21) You can rewrite a fraction to higher terms by adding the numerator and the denominator. 21) \_\_\_\_\_
- 22) The fractions  $\frac{11}{18}$  and  $\frac{297}{486}$  have the same value. 22) \_\_\_\_\_
- 23) The greatest common divisor can be zero. 23) \_\_\_\_\_
- 24) Fractions should never be reduced to their lowest terms. 24) \_\_\_\_\_
- 25) Raising a fraction to higher terms changes the value of the fraction. 25) \_\_\_\_\_
- 26) Before you can add or subtract fractions, they must have the same denominators. 26) \_\_\_\_\_
- 27) The sum of  $\frac{5}{12} + \frac{7}{18} + \frac{11}{20}$  is  $\frac{23}{50}$ . 27) \_\_\_\_\_
- 28) A prime number is any number larger than 1 that is divisible only by itself and 1. 28) \_\_\_\_\_
- 29)  $4\frac{5}{6} + 5\frac{7}{9}$  is equal to  $9\frac{11}{18}$ . 29) \_\_\_\_\_
- 30) The difference between  $\frac{7}{12}$  and  $\frac{3}{16}$  is  $\frac{19}{48}$ . 30) \_\_\_\_\_
- 31)  $43\frac{3}{5}$  is the difference between  $72\frac{4}{15}$  and  $28\frac{5}{6}$ . 31) \_\_\_\_\_
- 32) When you multiply or divide fractions, you must first find the common denominator. 32) \_\_\_\_\_
- 33)  $\frac{5}{9}$  times  $\frac{1}{8}$  is  $\frac{1}{12}$ . 33) \_\_\_\_\_
- 34) The product of  $3\frac{3}{4} \times 5\frac{4}{5}$  is  $29\frac{1}{4}$ . 34) \_\_\_\_\_
- 35) Multiplication and division of fractions are totally dissimilar activities requiring separate skills. 35) \_\_\_\_\_

36)  $\frac{27}{8}$  and  $\frac{8}{27}$  are reciprocals. 36) \_\_\_\_\_

37) To divide by a fraction, divide the dividend by the reciprocal of the dividend. 37) \_\_\_\_\_

38) The quotient of  $\frac{1}{9}$  divided by  $\frac{1}{16}$  is  $\frac{1}{144}$ . 38) \_\_\_\_\_

39)  $8\frac{1}{4}$  divided by  $3\frac{5}{9}$  has a quotient of  $29\frac{1}{3}$ . 39) \_\_\_\_\_

40) The reciprocal is not used in dividing fractions. 40) \_\_\_\_\_

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

41) The bottom term in a fraction is called the: 41) \_\_\_\_\_  
A) fraction line  
B) denominator  
C) divisor  
D) numerator  
E) none of the above

42) The bottom term in a fraction is referred to as the: 42) \_\_\_\_\_  
A) fraction line  
B) numerator  
C) dividend  
D) denominator  
E) none of the above

43) The dividend or number being divided in a fraction is called the: 43) \_\_\_\_\_  
A) GCD  
B) numerator  
C) denominator  
D) divisor  
E) none of the above

44) The line in a fraction that separates the numerator and denominator is termed the: 44) \_\_\_\_\_  
A) divisor  
B) GCD  
C) dividend  
D) numerator  
E) none of the above

45) The fraction  $\frac{13}{8}$  is referred to as a (an): 45) \_\_\_\_\_  
A) proper fraction  
B) improper fraction

- C) designated number
- D) mixed number
- E) none of the above

46) A fraction that has a value equal to or greater than 1 is a (an): 46) \_\_\_\_\_

- A) mixed number
- B) designated fraction
- C) improper fraction
- D) proper fraction
- E) none of the above

47) To convert an improper fraction into a whole or mixed number you: 47) \_\_\_\_\_

- A) add the numerator and the denominator
- B) multiply the numerator by the denominator
- C) divide the numerator by the denominator
- D) subtract the numerator from the denominator
- E) none of the above

48)  $\frac{879}{112}$  converted to a whole or mixed number is: 48) \_\_\_\_\_

- A)  $\frac{795}{112}$
- B)  $79\frac{5}{112}$
- C)  $7\frac{95}{112}$
- D)  $\frac{7}{112}$
- E) none of the above

49) To convert mixed numbers to improper fractions you would: 49) \_\_\_\_\_

- A) multiply the whole number times the denominator of the fraction and add the whole number to the denominator
- B) multiply the whole number times the denominator of the fraction and add the product to the original numerator
- 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 product to the original denominator
- E) none of the above

50)  $93\frac{8}{13}$  converted to an improper fraction is: 50) \_\_\_\_\_

- A)  $\frac{13}{1217}$
- B)  $\frac{1209}{13}$
- C)  $\frac{1217}{13}$
- D)  $\frac{1213}{17}$

E) none of the above

51)  $\frac{261}{3799}$  reduced to its lowest terms is: 51) \_\_\_\_\_

The fraction

A)  $\frac{45}{655}$

B)  $\frac{145}{262}$

C)  $\frac{68}{559}$

D)  $\frac{9}{131}$

E) none of the above

52) To reduce a fraction to its lowest terms: 52) \_\_\_\_\_

A) multiply the numerator and 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 denominator by the same number

E) none of the above

53) The quickest way to reduce a fraction to its lowest terms is to divide the numerator and denominator by: 53) \_\_\_\_\_

A) NCD

B) LCD

C) HCD

D) GCD

E) none of the above

54)  $\frac{9}{37}$  into a fraction with a denominator of 4514. 54) \_\_\_\_\_

Change

A)  $\frac{1098}{4514}$

B)  $\frac{1101}{4514}$

C)  $\frac{108}{4514}$

D)  $\frac{122}{4514}$

E) none of the above

55) Before fractions may be added or subtracted, they must all have the same: 55) \_\_\_\_\_

A) prime number

B) factor

C) dividend

D) numerator

E) none of the above

56) The letters LCD stand for: 56) \_\_\_\_\_

- A) Lowest Common Decimal
- B) Least Common Denominator
- C) Lowest Central Denominator
- D) Lower Contributing Denominator
- E) none of the above

57) A fraction indicates what mathematical function? 57) \_\_\_\_\_

- A) division
- B) addition
- C) subtraction
- D) multiplication
- E) all of the above

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

The least common denominator of  $\frac{16}{20}$ ,  $\frac{8}{5}$ ,  $\frac{17}{50}$ , and  $\frac{3}{4}$  is:

- A) 5
- B) 20
- C) 4
- D) 50
- E) none of the above

59)  $5\frac{2}{5}$  59) \_\_\_\_\_

is an example of a (an):

- A) improper fraction
- B) mixed number
- C) complex fraction
- D) proper fraction
- E) none of the above

60)  $\frac{27}{7}$  60) \_\_\_\_\_

converted to a mixed number is:

- A)  $3\frac{3}{4}$
- B)  $3\frac{7}{6}$
- C)  $3\frac{6}{7}$
- D) 4
- E) none of the above

61) 61) \_\_\_\_\_

The Least Common Denominator of  $\frac{1}{3}$ ,  $\frac{5}{12}$ ,  $\frac{5}{6}$ , and  $\frac{3}{4}$  is:

- A) 6
- B) 4
- C) 12
- D) 3
- E) none of the above

62) 62) \_\_\_\_\_

The fractions  $22\frac{3}{8}$  +  $15\frac{5}{6}$  +  $11\frac{3}{10}$  equal:

A)  $49\frac{1}{10}$

B)  $48\frac{5}{24}$

C)  $48\frac{11}{24}$

D)  $49\frac{61}{120}$

E) none of the above

63)  $6\frac{3}{8}$  feet tall. John is  $\frac{5}{18}$  of a foot taller than Mary. How tall is Mary? 63) \_\_\_\_\_

A)  $6\frac{7}{72}$  feet

B)  $6\frac{7}{144}$  feet

C)  $5\frac{1}{3}$  feet

D)  $5\frac{11}{18}$  feet

E) none of the above

64) Find the difference between  $9\frac{1}{3}$  and  $3\frac{5}{12}$ . 64) \_\_\_\_\_

A)  $5\frac{1}{3}$

B)  $5\frac{1}{2}$

C)  $5\frac{3}{4}$

D)  $5\frac{11}{12}$

E) none of the above

65)  $7\frac{3}{4}$  hours on Monday;  $8\frac{1}{2}$  hours on Tuesday; 9 hours on Wednesday;  $8\frac{1}{4}$  hours on Thursday; and  $7\frac{3}{8}$  hours on Friday. How many hours did Jill work? 65) \_\_\_\_\_

A)  $39\frac{8}{18}$

B)  $39\frac{8}{8}$

C)  $40\frac{7}{8}$

D) 40

E) none of the above



- 66) Bob traveled a total of  $86\frac{3}{8}$  miles on Tuesday, visiting 3 customers. To visit customer (1) he traveled  $18\frac{1}{4}$  miles and to visit customer (2) he traveled  $25\frac{7}{32}$  miles. How far did he travel to visit customer (3)?
- A)  $42\frac{3}{28}$  miles
- B)  $43\frac{5}{28}$  miles
- C)  $43\frac{11}{32}$  miles
- D)  $42\frac{29}{32}$  miles
- E) none of the above
- 66) \_\_\_\_\_

- 67) Which of the following is a prime number?
- A) 7
- B) 19
- C) 41
- D) 29
- E) all of the above
- 67) \_\_\_\_\_

- 68) Derek worked  $6\frac{3}{4}$  hours on Monday,  $4\frac{1}{2}$  hours on Tuesday, 8 hours on Wednesday,  $7\frac{3}{4}$  hours on Thursday, and  $7\frac{1}{4}$  hours on Friday. How many hours did Derek work during the week?
- A)  $34\frac{1}{4}$
- B)  $32\frac{9}{4}$
- C)  $32\frac{1}{4}$
- D) 34
- E) none of the above
- 68) \_\_\_\_\_

- 69) Janice mixes her own bird seed. She recently purchased  $\frac{7}{8}$  pounds of sunflower seed,  $7\frac{1}{2}$  pounds of cracked corn, and  $6\frac{5}{8}$  pounds of millet. After mixing the seed, how many pounds of bird seed did she have?
- A)  $14\frac{7}{8}$
- B)  $13\frac{13}{8}$
- C)  $\frac{147}{8}$
- 69) \_\_\_\_\_

- D) 15
- E) none of the above

70) On a recent business math test,  $\frac{1}{4}$  of the class achieved an A grade,  $\frac{1}{5}$  a

B grade, and  $\frac{1}{3}$  a C grade. What portion of the class received a grade less than C?

- A)  $\frac{24}{30}$
- B) 13
- C)  $\frac{13}{60}$
- D)  $\frac{47}{60}$
- E) none of the above

71) When you multiply fractions, you do not have to use: 71) \_\_\_\_\_

- A) products
- B) reciprocals
- C) quotients
- D) none of the above
- E) all of the above

72) The product of  $\frac{5}{8}$  and  $\frac{2}{5}$  is: 72) \_\_\_\_\_

- A)  $1\frac{1}{40}$
- B)  $\frac{11}{8}$
- C)  $\frac{1}{40}$
- D)  $\frac{7}{13}$
- E) none of the above

73) Douglas has to travel 580 miles on a business trip. On the first day he traveled  $\frac{2}{3}$  of the total miles. How many miles did he travel? 73) \_\_\_\_\_

- A) 522
- B)  $386\frac{2}{3}$
- C)  $348\frac{1}{3}$
- D)  $193\frac{1}{3}$
- E) none of the above

74) There are  $10\frac{3}{4}$  inches of wire available. Mary requires  $6\frac{1}{8}$  times that amount. How

many 74)  
inches of  
wire  
does she  
need?

—  
—

A)  $65\frac{27}{32}$

B)  $4\frac{2}{49}$

C)  $44\frac{3}{32}$

D)  $126\frac{27}{32}$

E) none of the above

75) If the product of two numbers is 1, they are said to be:

75) \_\_\_\_\_

A) mixed numbers

B) quotients

C) reciprocals

D) unequal

E) none of the above

76) The reciprocal of  $17\frac{1}{8}$  is:

76) \_\_\_\_\_

A)  $\frac{137}{8}$

B)  $\frac{8}{137}$

C)  $19\frac{8}{1}$

D)  $\frac{17}{8}$

E) none of the above

77) The quotient of  $\frac{5}{16}$  divided by  $\frac{6}{10}$  is:

77) \_\_\_\_\_

A)  $\frac{5}{8}$

B)  $\frac{9}{26}$

C)  $\frac{11}{16}$

D)  $\frac{25}{48}$

E) none of the above

78) Sandy was asked to take an inventory of reams of typing paper. She knew that one ream was  $2\frac{3}{8}$  inches high. If the total height of all the

paper was  $110\frac{1}{5}$  inches, how

many  
reams  
were in  
the  
inventory?  
y?

—  
—

A)  $46\frac{39}{40}$

B)  $46\frac{2}{5}$

C)  $261\frac{29}{40}$

D)  $55\frac{2}{3}$

E) none of the above

79) Reducing before multiplying:

79) \_\_\_\_\_

A) has a definite set of rules

B) is an alternative method for multiplying fractions

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

D) raises fractions to their highest terms

E) none of the above

80) The reciprocal is used:

80) \_\_\_\_\_

A) to replace the cancellation method

B) in dividing whole numbers

C) in dividing fractions

D) in multiplying fractions

E) none of the above

81)

$2\frac{2}{3}$

81) \_\_\_\_\_

A trip from Kansas City to the Lake of the Ozarks will take  $2\frac{2}{3}$  hours.

If we are  $\frac{1}{3}$  of the way there, how long have we traveled?

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

B)  $\frac{9}{8}$

C)  $\frac{8}{9}$

D)  $1\frac{1}{8}$

E) none of the above

82) Paterson Greenup Company buys weed killer spray in 55 gallon drums.

wee82)

They dilute the concentrate with water in 5 gallon containers. Each

d

container is filled with  $2\frac{3}{4}$  gallons of weed killer and  $2\frac{1}{4}$  gallons of

kill

water. How many containers can be filled from one 55 gallon drum of

er?

- \_\_\_\_\_
- A)  $24\frac{4}{9}$
  - B) 20
  - C) 24
  - D) 11
  - E) none of the above

83) A local community college has 1,694 square feet in their computer lab. 83) \_\_\_\_\_

If each student workstation requires  $30\frac{1}{4}$  square feet, how many student workstations can be placed in the computer lab?

- A) 108
- B) 56
- C) 112
- D) 54
- E) none of the above

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

84) The \_\_\_\_\_ is the bottom term in a fraction. 84) \_\_\_\_\_

85) The bottom term of a fraction is called the \_\_\_\_\_. 85) \_\_\_\_\_

86) Fractions where the numerator is smaller than the denominator are called \_\_\_\_\_. 86) \_\_\_\_\_

87) \_\_\_\_\_ are fractions where the numerator is larger than the denominator. 87) \_\_\_\_\_

88) A number composed of both a whole number and a \_\_\_\_\_ is called a mixed number. 88) \_\_\_\_\_

89) When you convert an improper fraction and there is a remainder, you have a \_\_\_\_\_. 89) \_\_\_\_\_

90)  $\frac{157}{6}$  converted to a whole number and a fraction is \_\_\_\_\_. 90) \_\_\_\_\_

91) 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. 91) \_\_\_\_\_

92) To convert a mixed number to an improper fraction, multiply the whole number times the \_\_\_\_\_ of the fraction and add the product to the original \_\_\_\_\_. 92) \_\_\_\_\_

93)  $7\frac{1}{8}$  converted to an improper fraction is \_\_\_\_\_. 93) \_\_\_\_\_

94) A fraction is said to be in lowest terms when there is no number that can be divided

\_\_\_\_\_ 94)  
into both  
the  
numera-  
tor and  
the  
denomi-  
nator.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

95)  $\frac{18}{192}$   
The fraction  $\frac{18}{192}$  reduced to its lowest terms is \_\_\_\_\_.

95) \_\_\_\_\_

96) The \_\_\_\_\_ is the largest number that can be divided evenly into both the numerator and denominator of a fraction.

96) \_\_\_\_\_

97) You can raise the terms of a fraction by \_\_\_\_\_ the \_\_\_\_\_ and \_\_\_\_\_ by the same number.

97) \_\_\_\_\_

98)  $\frac{25}{132}$   
\_\_\_\_\_ converted into a fraction with a denominator of 1056 is \_\_\_\_\_.

98) \_\_\_\_\_

99) \_\_\_\_\_  
The least common denominator of  $\frac{6}{20}$ ,  $\frac{9}{5}$ ,  $\frac{7}{50}$ , and  $\frac{3}{4}$  is \_\_\_\_\_.

99) \_\_\_\_\_

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

100) \_\_\_\_\_

101) When you want to convert an improper fraction into a whole or mixed number, you divide the \_\_\_\_\_ by the \_\_\_\_\_.

101) \_\_\_\_\_

102) Before fractions can be added or subtracted, they must all have the same \_\_\_\_\_.

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

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

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

104) \_\_\_\_\_  
The sum of  $\frac{1}{9} + \frac{4}{9} + \frac{5}{9}$  is \_\_\_\_\_.

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

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

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

106) \_\_\_\_\_  
The total of  $\frac{1}{2} + \frac{1}{4} + \frac{1}{8}$  is \_\_\_\_\_.

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

107) \_\_\_\_\_  
The sum of  $4\frac{1}{6} + 11\frac{5}{9} + 15\frac{7}{27}$  is \_\_\_\_\_.

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

108) When you subtract fractions with the same denominator, you simply subtract the \_\_\_\_\_, place the difference over the denominator, and reduce to the lowest terms. 108) \_\_\_\_\_

109)  $\frac{11}{32} - \frac{5}{32}$  is \_\_\_\_\_. 109) \_\_\_\_\_  
The difference between the fractions

110)  $\frac{1}{16}$  subtracted from  $\frac{5}{12}$  is \_\_\_\_\_. 110) \_\_\_\_\_

111)  $15\frac{3}{8}$  inches long. Jane has a piece of wood  $18\frac{10}{16}$  inches long. Jane's piece of wood is \_\_\_\_\_ longer than Bill's. 111) \_\_\_\_\_

112)  $6\frac{5}{12}$  feet tall. Mike is  $5\frac{15}{16}$  feet tall. Jim is \_\_\_\_\_ taller than Mike. 112) \_\_\_\_\_

113) When you multiply or divide fractions, you do not have to find the \_\_\_\_\_. 113) \_\_\_\_\_

114)  $\frac{3}{6}$  times  $\frac{7}{10}$  is \_\_\_\_\_. 114) \_\_\_\_\_

115)  $\frac{3}{6}$  times 9 is \_\_\_\_\_. 115) \_\_\_\_\_  
The product of

116)  $4\frac{3}{8}$  miles per hour. In 4 hours he can walk \_\_\_\_\_ miles. 116) \_\_\_\_\_

117) The division of a fraction also involves the operation of \_\_\_\_\_. 117) \_\_\_\_\_

118) Two numbers are \_\_\_\_\_ if their product is 1 after being multiplied. 118) \_\_\_\_\_

119) \_\_\_\_\_ is the reciprocal of  $7\frac{3}{10}$ . 119) \_\_\_\_\_

120) To divide by a fraction, \_\_\_\_\_ the dividend by the \_\_\_\_\_ of the divisor. 120) \_\_\_\_\_

121)  $\frac{7}{10}$  divided by  $\frac{4}{7}$  is \_\_\_\_\_. 121) \_\_\_\_\_  
The quotient of

- 122) \_\_\_\_\_ is the quotient of  $8\frac{1}{6}$  divided by  $4\frac{3}{8}$ . 122) \_\_\_\_\_
- 123) Convert  $\frac{15}{45}$  to higher terms having a denominator of 180. 123) \_\_\_\_\_
- 124) Reduce the fraction  $\frac{68}{238}$  to its lowest terms. 124) \_\_\_\_\_
- 125) Reduce  $\frac{22}{114}$  to its lowest terms. 125) \_\_\_\_\_
- 126) Reduce the fraction  $\frac{36}{162}$  to its lowest terms. 126) \_\_\_\_\_
- 127) Cindy worked the following hours during the current week: 127) \_\_\_\_\_  
Monday:  $7\frac{1}{4}$ ; Tuesday:  $9\frac{1}{8}$ ; Wednesday:  $7\frac{5}{6}$ ; Thursday: 8; and  
Friday:  $8\frac{3}{4}$ . What were her total hours worked for the week?
- 128) Jill required  $5\frac{7}{8}$  inches of blue ribbon,  $8\frac{4}{5}$  inches of red ribbon, 128) \_\_\_\_\_  
and  $3\frac{3}{4}$  inches of white ribbon to complete her project. In  
total, how many inches of ribbon is needed?
- 129) A car was driven  $236\frac{1}{10}$  miles. Bill drove the car  $80\frac{7}{10}$  miles 129) \_\_\_\_\_  
and Kevin drove  $76\frac{9}{10}$  miles. The balance of the miles were  
driven by Ann. How many miles did she drive?
- 130) Jason purchased 3 parcels of land totaling  $27\frac{4}{5}$  acres. If the 130) \_\_\_\_\_  
first two pieces of property were  $11\frac{1}{6}$  and  $7\frac{9}{10}$  acres  
respectively, how many acres was the third parcel of land?
- 131) What is the least common denominator of  $\frac{3}{5}$  and  $\frac{60}{100}$ ? 131) \_\_\_\_\_
- 132) Add  $\frac{5}{4}$  and  $\frac{5}{6}$ . 132) \_\_\_\_\_
- 133) What is the Least Common Denominator of  $\frac{9}{20}$ ,  $\frac{6}{5}$ ,  $\frac{3}{50}$ , and  $\frac{1}{4}$ ? 133) \_\_\_\_\_



134) Martin purchased  $2\frac{9}{16}$  pounds of beef brisket,  $5\frac{7}{8}$  pounds of shaved ham, and  $\frac{3}{4}$  of a pound of baked beans. What was the total weight of Martin's purchases? 134) \_\_\_\_\_

135) A partnership was formed between Gene, Orville, and Jerry. Gene owned  $\frac{2}{5}$  and Orville owned  $\frac{3}{8}$ . What part was owned by Jerry? 135) \_\_\_\_\_

136) If the fabric required for drapes is  $27\frac{1}{4}$  yards and for matching pillows is  $2\frac{1}{8}$  yards, what is the total number of yards required? 136) \_\_\_\_\_

137) Steve has 15 days of vacation per year. To date, he has taken  $1\frac{5}{8}$  days in March,  $7\frac{3}{8}$  days in June, and  $4\frac{1}{4}$  days in July. How many more vacation days can Steve take? 137) \_\_\_\_\_

138) What is the sum of  $\frac{4}{9} + \frac{1}{4} + \frac{2}{3}$ ? 138) \_\_\_\_\_

139) Subtract  $\frac{1}{4}$  from  $\frac{7}{9}$ . 139) \_\_\_\_\_

140) Subtract  $9\frac{5}{15}$  from  $15\frac{11}{12}$ . 140) \_\_\_\_\_

141) Add the fractions  $\frac{5}{12} + \frac{1}{16} + \frac{7}{24}$ . 141) \_\_\_\_\_

142) Nancy bought a cake for her son's graduation. The bakery owner indicated that the cake would serve 40 people. If 25 guests each had one serving of the cake, what portion of the cake remained? 142) \_\_\_\_\_

143) Subtract  $7\frac{5}{6}$  from  $11\frac{3}{16}$ . 143) \_\_\_\_\_

144) Add the fractions  $\frac{11}{16} + \frac{4}{9} + \frac{1}{3}$ . 144) \_\_\_\_\_

145) Walter Reed is having 90 people over to his house for a party. He told to allow is \_\_\_\_\_

$\frac{2}{3}$  145)  
 for  $\frac{2}{3}$  of  
 a pound  
 of meat  
 per  
 person.  
 How  
 many  
 pounds  
 of meat  
 should  
 he order?

\_\_\_\_  
 \_\_\_\_  
 \_\_\_\_

146)  $19\frac{1}{2}$   
 Spencer knows that it will take  $19\frac{1}{2}$  hours to travel to Florida.  
 After traveling  $\frac{2}{3}$  of the time he stops to rest. How many  
 more hours must he travel to reach Florida?

146) \_\_\_\_\_

147)  $20\frac{1}{2}$   
 John, the carpenter, has a board  $20\frac{1}{2}$  feet in length. He needs  
 $2\frac{3}{8}$   
 pieces cut in lengths of  $2\frac{3}{8}$  feet. How many full pieces can be  
 cut from the board?

147) \_\_\_\_\_

148)  $306\frac{3}{4}$   $51\frac{1}{8}$   
 Phil must travel  $306\frac{3}{4}$  miles. If he averages  $51\frac{1}{8}$  miles per  
 hour, how many hours will the trip take?

148) \_\_\_\_\_

149) A trip from Cheyenne, Wyoming to the Rocky Mountains takes  
 $3\frac{3}{4}$  hours. Assuming that you are  $\frac{1}{3}$  of the way there, how  
 long have you been traveling?

149) \_\_\_\_\_

150)  $16\frac{3}{8}$   
 T.C. Industries manufactures  $16\frac{3}{8}$  lighting grills each hour.  
 How many lighting grills can be produced in a 48-hour week?

150) \_\_\_\_\_

151)  $5\frac{1}{8}$   $7\frac{11}{12}$   
 Find the product of  $5\frac{1}{8}$  times  $7\frac{11}{12}$ .

151) \_\_\_\_\_

152)  $\frac{11}{17}$   $\frac{5}{12}$   
 Find the quotient for  $\frac{11}{17}$  divided by  $\frac{5}{12}$ .

152) \_\_\_\_\_

153) Janice, who loves to cook, is making a peach pie (serves 6) for  
 her family. The recipe calls for 4 cups of sliced peaches,

$1\frac{1}{3}$  cups cup of  
 of margarine, and  
 flour 1 cup of sugar.  
 $\frac{1}{2}$  However,  
 $\frac{1}{2}$  today

addition 153)

al family  
members  
are  
coming  
and  
Janice  
would  
like to  
make  
enough  
pie to  
serve 18  
people.  
How  
many  
cups of  
flour  
should  
she use?

\_\_\_\_  
\_\_\_\_  
\_\_\_\_

154)

In a recent antibiotic resistance test, it was found that  $\frac{4}{10}$  of all people tested had infections that were resistant to penicillin. If 4,310 people were tested, how many had infections that were resistant to penicillin?

154) \_\_\_\_\_

155)

Find the product of  $\frac{2}{19}$  times  $\frac{5}{8}$ .

155) \_\_\_\_\_

156)

Find the quotient of  $15\frac{2}{3}$  divided by  $23\frac{1}{2}$ .

156) \_\_\_\_\_

157) Bob has 90 linear feet of lumber. He is planning to construct

storage shelves for his basement. If each shelf is to be  $2\frac{1}{2}$  feet in length, how many shelves can Bob construct?

157) \_\_\_\_\_

158)

Driving from Kansas City, MO to Denver, CO takes  $15\frac{3}{4}$  hours.

If you have traveled  $\frac{1}{3}$  of the distance, how many hours have you traveled?

158) \_\_\_\_\_

159)

There are  $24\frac{3}{4}$  inches of cloth available. If Mary requires  $6\frac{1}{8}$  times that amount, how many inches of cloth does she need?

159) \_\_\_\_\_

160)  $\frac{3}{4} + \frac{1}{2} - \frac{1}{3} =$

160) \_\_\_\_\_

161) Nancy bought a cake for her son's graduation. The bakery owner indicated that the cake would serve 40 people. If 25 guests each had one serving of the cake, what portion of the cake remained?

161) \_\_\_\_\_

162) Subtract  $7\frac{5}{6}$  from  $11\frac{3}{16}$ .

162) \_\_\_\_\_

163) Reduce the fraction  $\frac{36}{162}$  to its lowest terms.

163) \_\_\_\_\_

**MATCHING. Choose the item in column 2 that best matches each item in column 1. Match the correct answer from the list provided.**

164) The largest possible number that will divide equally into 2 or more other numbers is called the \_\_\_\_\_.

A) Greatest common divisor

164) \_\_\_\_\_

B) equivalent fraction

165) When no number other than 1 can be divided evenly into both the numerator and denominator of a fraction, the fraction must be in its \_\_\_\_\_.

C) proper

165) \_\_\_\_\_

D) Numerator

E) Fraction

166) A type of number that expresses a part of a whole number is called a \_\_\_\_\_.

F) Lowest terms

166) \_\_\_\_\_

Lowest terms

G)  
Mixed number

- 167) A whole number and a proper fraction form a \_\_\_\_\_. 167) \_\_\_\_\_
- 168) The top of a fraction is called the \_\_\_\_\_. 168) \_\_\_\_\_
- 169) An \_\_\_\_\_ is a fraction that indicates the same portion of the whole amount as another fraction only in higher or lower terms. 169) \_\_\_\_\_
- 170) When the numerator is less than the denominator, the fraction is said to be a \_\_\_\_\_ fraction. 170) \_\_\_\_\_
- 171) The line that separates the numerator and denominator is the \_\_\_\_\_. 171) \_\_\_\_\_
- 172) Interchanging the numerator and denominator gives you the \_\_\_\_\_ of a fraction. 172) \_\_\_\_\_
- 173) The smallest whole number that is evenly divisible by each denominator of two or more fractions is called the \_\_\_\_\_. 173) \_\_\_\_\_
- 174) Numerator is equal to or greater than the denominator. 174) \_\_\_\_\_
- 175) A number divisible by only one and itself. 175) \_\_\_\_\_
- 176) The bottom part of a fraction. 176) \_\_\_\_\_

A) fraction line

B) improper fraction

C) denominator

D)  
Least common denominator (LCD)

E)  
prime number

F)  
reciprocal

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

- 52) D
- 53) D
- 54) A
- 55) E
- 56) B
- 57) A
- 58) E
- 59) B
- 60) C
- 61) C
- 62) D
- 63) A
- 64) D
- 65) C
- 66) D
- 67) E
- 68) A
- 69) D
- 70) C
- 71) B
- 72) E
- 73) B
- 74) A
- 75) C
- 76) B
- 77) D
- 78) B
- 79) B
- 80) C
- 81) C
- 82) B
- 83) B
- 84) denominator
- 85) denominator
- 86) proper fractions
- 87) Improper fractions
- 88) fraction
- 89) mixed number
- 90)  $26\frac{1}{6}$
- 91) denominator
- 92) denominator, numerator
- 93)  $\frac{57}{8}$
- 94) evenly
- 95)  $\frac{3}{32}$
- 96) Greatest Common Divisor
- 97) multiplying, numerator, denominator
- 98)  $\frac{200}{1056}$
- 99) 100

- 100) denominator  
101) numerator, denominator  
102) denominator  
103) numerators, reduce  
104)  $1\frac{1}{9}$   
  
105) Least Common Denominator  
106)  $\frac{7}{8}$   
107)  $30\frac{53}{54}$   
  
108) numerators  
109)  $\frac{3}{16}$   
110)  $\frac{17}{48}$   
111)  $3\frac{1}{4}$  inches  
112)  $\frac{23}{48}$  feet  
113) common denominator  
114)  $\frac{7}{20}$   
115)  $4\frac{1}{2}$   
116)  $17\frac{1}{2}$   
  
117) multiplication  
118) reciprocals  
119)  $\frac{10}{73}$   
  
120) multiply, reciprocal  
121)  $1\frac{9}{40}$   
122)  $1\frac{13}{15}$   
123)  $\frac{60}{180}$   
124)  $\frac{2}{7}$   
125)  $\frac{11}{57}$   
126)  $\frac{2}{9}$   
127)  $40\frac{23}{24}$   
128)  $18\frac{17}{40}$   
129)  $78\frac{5}{10}$  or  $78\frac{1}{2}$  miles



- 130)  $8\frac{11}{15}$  acres
- 131) 100
- 132)  $2\frac{1}{12}$
- 133) 100
- 134)  $9\frac{3}{16}$  pounds
- 135)  $\frac{9}{40}$
- 136)  $29\frac{3}{8}$
- 137)  $1\frac{3}{4}$
- 138)  $1\frac{13}{36}$
- 139)  $\frac{19}{36}$
- 140)  $6\frac{7}{12}$
- 141)  $\frac{37}{48}$
- 142)  $\frac{3}{8}$  of the cake
- 143)  $3\frac{17}{48}$
- 144)  $1\frac{67}{144}$
- 145) 60 pounds
- 146)  $6\frac{1}{2}$  hours
- 147) 8 pieces
- 148) 6 hours
- 149)  $1\frac{1}{4}$  hours
- 150) 786
- 151)  $40\frac{55}{96}$
- 152)  $1\frac{47}{85}$
- 153) 4
- 154) 1724 people
- 155)  $\frac{5}{76}$
- 156)  $\frac{2}{3}$
- 157) 36 shelves
- 158)  $5\frac{1}{4}$  hours

159)  $151\frac{19}{32}$  inches

160)  $\frac{9}{12} + \frac{6}{12} - \frac{4}{12} = \frac{11}{12}$

161)  $\frac{3}{8}$  of the cake

162)  $3\frac{17}{48}$

163)  $\frac{2}{9}$

164) A

165) F

166) E

167) G

168) D

169) B

170) C

171) A

172) F

173) D

174) B

175) E

176) C