

Exam

Name _____

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

Provide an appropriate response.

- 1) When you multiply or divide fractions, you must first find the common denominator. 1) _____
A) True B) False

Answer: B

Explanation: A)
B)

- 2) The reciprocal is used: 2) _____
A) in multiplying fractions B) in dividing whole numbers
C) in dividing fractions D) to replace the cancellation method

Answer: C

Explanation: A)
B)
C)
D)

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

Answer: C

Explanation: A)
B)
C)
D)

- 4) If the product of two numbers is 1, they are said to be: 4) _____
A) reciprocals. B) mixed numbers.
C) unequal. D) quotients.

Answer: A

Explanation: A)
B)
C)
D)

- 5) The reciprocal is not used in dividing fractions. 5) _____
A) True B) False

Answer: B

Explanation: A)
B)

- 6) When an improper fraction is converted, if there is a remainder, it is: 6) _____
A) the numerator. B) a prime number.
C) the denominator. D) a whole number.

Answer: A

Explanation: A)
B)
C)
D)

- 7) The letters GCD stand for Greatest Common Divisor. 7) _____
A) True B) False

Answer: A

Explanation: A)
B)

- 8) The following two numbers are considered to be reciprocals: $\frac{27}{8}$ and $\frac{8}{27}$. 8) _____
A) True B) False

Answer: A

Explanation: A)
B)

- 9) If you multiply or divide both parts of a fraction by the same number, the value of the fraction does not change. 9) _____
A) True B) False

Answer: A

Explanation: A)
B)

- 10) After fractions have been added, subtracted, multiplied, or divided, the fraction in the answer should be increased to its highest terms. 10) _____
A) True B) False

Answer: B

Explanation: A)
B)

- 11) 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. 11) _____
A) True B) False

Answer: B

Explanation: A)
B)

- 12) An equivalent number is a converted whole or mixed number that has the same numerical value as the original fraction. 12) _____
A) True B) False

Answer: A

Explanation: A)
B)

- 13) A prime number is any number larger than 1 that is divisible only by itself and 1. 13) _____
A) True B) False
Answer: A
Explanation: A)
B)
- 14) When you multiply fractions, you do not have to use: 14) _____
A) reciprocals B) quotients C) products D) none of these
Answer: A
Explanation: A)
B)
C)
D)
- 15) Before you can add or subtract fractions, they must have the same denominators. 15) _____
A) True B) False
Answer: A
Explanation: A)
B)
- 16) The horizontal line that separates the numerator and the denominator is called the dividend. 16) _____
A) True B) False
Answer: B
Explanation: A)
B)
- 17) Which of the following is not a prime number? 17) _____
A) 29 B) 41 C) 19 D) 9
Answer: D
Explanation: A)
B)
C)
D)
- 18) A proper fraction has a value greater than 1. 18) _____
A) True B) False
Answer: B
Explanation: A)
B)
- 19) Reducing before multiplying: 19) _____
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
Answer: B
Explanation: A)
B)
C)
D)

- 20) A fraction is in lowest terms when there is no number that can be divided evenly into the numerator and denominator. 20) _____
A) True B) False
Answer: A
Explanation: A)
B)
- 21) To divide by a fraction, divide the dividend by the reciprocal of the dividend. 21) _____
A) True B) False
Answer: B
Explanation: A)
B)
- 22) A fraction with a numerator that is less than the denominator is called an improper fraction. 22) _____
A) True B) False
Answer: B
Explanation: A)
B)
- 23) Before fractions may be added or subtracted, they must all have the same: 23) _____
A) divisor B) denominator C) numerator D) dividend
Answer: B
Explanation: A)
B)
C)
D)
- 24) Fractions should never be reduced to their lowest terms. 24) _____
A) True B) False
Answer: B
Explanation: A)
B)
- 25) Raising a fraction to higher terms changes the value of the fraction. 25) _____
A) True B) False
Answer: B
Explanation: A)
B)
- 26) The least common denominator of $\frac{1}{3}$, $\frac{5}{12}$, $\frac{5}{6}$, and $\frac{3}{4}$ is: 26) _____
A) 12 B) 4 C) 6 D) 3
Answer: A
Explanation: A)
B)
C)
D)

- 27) You can rewrite a fraction to higher terms by adding the numerator and the denominator. 27) _____
A) True B) False
Answer: B
Explanation: A)
B)
- 28) To change an improper fraction into a whole or mixed number, you need only divide the denominator by the numerator. 28) _____
A) True B) False
Answer: B
Explanation: A)
B)
- 29) An improper fraction has a value equal to or less than 1. 29) _____
A) True B) False
Answer: B
Explanation: A)
B)
- 30) To reduce a fraction to its lowest terms: 30) _____
A) subtract the same number from the numerator and the denominator.
B) multiply the numerator and the denominator by the same number.
C) add the same number to the numerator and the denominator.
D) divide the numerator and the denominator by the same number.
Answer: D
Explanation: A)
B)
C)
D)
- 31) The top term in a fraction is called the numerator. 31) _____
A) True B) False
Answer: A
Explanation: A)
B)
- 32) To convert mixed numbers to improper fractions you would: 32) _____
A) none of these.
B) multiply the whole number times the numerator of the fraction and add the product to the original denominator.
C) multiply the whole number times the denominator of the fraction and add the whole number to the denominator.
D) multiply the whole number times the denominator of the fraction and add the product to the original numerator.
Answer: D
Explanation: A)
B)
C)
D)

- 33) 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. 33) _____
 A) LCD B) none of the above
 C) numerator D) denominator
 Answer: D
 Explanation: A)
 B)
 C)
 D)
- 34) When multiplying two proper fractions, the product: 34) _____
 A) has a value equal to 1 B) has a value between the two fractions
 C) is always a proper fraction D) is always greater than 1
 Answer: C
 Explanation: A)
 B)
 C)
 D)
- 35) When an improper fraction is converted, if there is a remainder, it is a whole number. 35) _____
 A) True B) False
 Answer: B
 Explanation: A)
 B)
- 36) The bottom term in a fraction is the divisor or the number that divides into the numerator. 36) _____
 A) True B) False
 Answer: A
 Explanation: A)
 B)
- 37) The largest possible number that will divide equally into 2 or more other numbers is called the: 37) _____
 A) least common denominator. B) numerator.
 C) greatest common divisor. D) denominator.
 Answer: C
 Explanation: A)
 B)
 C)
 D)
- 38) 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. 38) _____
 A) True B) False
 Answer: B
 Explanation: A)
 B)

39) The greatest common divisor can be zero.

A) True

B) False

39) _____

Answer: B

Explanation: A)
B)

40) Which of the following statements is correct?

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

40) _____

Answer: A

Explanation: A)
B)
C)
D)

41) Multiplication and division of fractions are totally dissimilar activities requiring separate skills.

A) True

B) False

41) _____

Answer: B

Explanation: A)
B)

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

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

42) _____

Answer: numerators

Explanation:

43) When you add or subtract fractions, you must first change the fractions so that they have the same _____.

43) _____

Answer: denominator

Explanation:

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

44) _____

Answer: numerators, reduce

Explanation:

45) When you multiply or divide fractions, you do not have to find the _____.

45) _____

Answer: common denominator

Explanation:

46) When adding fractions with different denominators, you must first find the _____.

46) _____

Answer: Least Common Denominator

Explanation:

47) To divide by a fraction, _____ the dividend by the _____ of the divisor. 47) _____

Answer: multiply, reciprocal

Explanation:

48) The division of a fraction also involves the operation of _____. 48) _____

Answer: multiplication

Explanation:

49) Two numbers are _____ if their product is 1 after being multiplied. 49) _____

Answer: reciprocals

Explanation:

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

Find the difference. Write the difference in lowest terms.

50) $\frac{6}{28} - \frac{2}{28}$ 50) _____

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

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

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

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

Answer: D

Explanation: A)
B)
C)
D)

51) $\frac{5}{9} - \frac{4}{8}$ 51) _____

A) $\frac{1}{72}$

B) $\frac{4}{9}$

C) $\frac{1}{9}$

D) $\frac{1}{18}$

Answer: D

Explanation: A)
B)
C)
D)

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

52) $\frac{16}{28}$ 52) _____

A) GCD = 4; $\frac{7}{4}$

B) GCD = 5; $\frac{4}{7}$

C) GCD = 4; $\frac{4}{7}$

D) GCD = 3; $\frac{7}{4}$

Answer: C

Explanation: A)
B)
C)
D)

Write the whole or mixed number as an improper fraction.

53) $16\frac{7}{10}$

53) _____

A) $\frac{167}{10}$

B) $\frac{112}{10}$

C) $\frac{23}{10}$

D) $\frac{177}{10}$

Answer: A

Explanation: A)
B)
C)
D)

Find the reciprocal.

54) $3\frac{7}{8}$

54) _____

A) $\frac{8}{31}$

B) $\frac{31}{8}$

C) $\frac{1}{31}$

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

Answer: A

Explanation: A)
B)
C)
D)

Find the quotient.

55) $3\frac{3}{4} \div 2\frac{7}{8}$

55) _____

A) $2\frac{7}{23}$

B) $1\frac{7}{23}$

C) $1\frac{8}{23}$

D) $1\frac{7}{22}$

Answer: B

Explanation: A)
B)
C)
D)

56) $\frac{2}{21} \div \frac{4}{7}$

56) _____

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

B) 168

C) 6

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

Answer: D

Explanation: A)
B)
C)
D)

Write the fraction as a whole or mixed number.

57) $\frac{7}{7}$

57) _____

A) 0

B) 1

C) 7

D) 77

Answer: B

Explanation: A)
B)
C)
D)

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

58) $\frac{2}{3} = \frac{?}{9}$

58) _____

A) $\frac{9}{9}$

B) $\frac{6}{9}$

C) $\frac{0}{9}$

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

Answer: B

Explanation: A)
B)
C)
D)

Solve the problem.

59) 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 59) _____

and $2\frac{4}{5}$ gallons of blue paint. How much paint did he have?

A) $\frac{16}{51}$ gal

B) $10\frac{29}{30}$ gal

C) $\frac{30}{329}$ gal

D) $3\frac{3}{16}$ gal

Answer: B

Explanation: A)
B)
C)
D)

Write the fraction as a whole or mixed number.

60) $\frac{82}{13}$

60) _____

A) $6\frac{6}{13}$

B) $5\frac{4}{13}$

C) $6\frac{4}{13}$

D) $7\frac{4}{13}$

Answer: C

Explanation: A)
B)
C)
D)

Solve the problem.

- 61) 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. 61) _____

A) $\frac{29}{49}$ B) $\frac{13}{22}$ C) $\frac{22}{13}$ D) $\frac{439}{259}$

Answer: B

Explanation: A)
B)
C)
D)

Find the difference. Write the difference in lowest terms.

- 62) $8\frac{4}{13} - 5\frac{3}{13}$ 62) _____

A) $13\frac{1}{13}$ B) $3\frac{7}{13}$ C) $3\frac{1}{13}$ D) $3\frac{7}{26}$

Answer: C

Explanation: A)
B)
C)
D)

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

- 63) $6\frac{1}{4} + 2\frac{3}{8} + 3\frac{5}{12}$ 63) _____

A) $12\frac{1}{24}$ B) $12\frac{1}{96}$ C) $11\frac{1}{24}$ D) $11\frac{3}{8}$

Answer: A

Explanation: A)
B)
C)
D)

Find the reciprocal.

- 64) $\frac{1}{5}$ 64) _____

A) 0 B) 5 C) $\frac{1}{5}$ D) 1

Answer: B

Explanation: A)
B)
C)
D)

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

65) $\frac{3}{7} = \frac{?}{14}$

65) _____

A) $\frac{21}{14}$

B) $\frac{6}{14}$

C) $\frac{8}{14}$

D) $\frac{5}{14}$

Answer: B

Explanation: A)
B)
C)
D)

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

66) $\frac{1}{4} + \frac{7}{12}$

66) _____

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

B) $\frac{5}{6}$

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

D) 2

Answer: B

Explanation: A)
B)
C)
D)

Write the fraction as a whole or mixed number.

67) $\frac{43}{21}$

67) _____

A) $2\frac{1}{7}$

B) $1\frac{1}{21}$

C) $3\frac{1}{21}$

D) $2\frac{1}{21}$

Answer: D

Explanation: A)
B)
C)
D)

Find the product.

68) $6 \times \frac{1}{6}$

68) _____

A) $\frac{6}{36}$

B) $\frac{1}{36}$

C) 1

D) 36

Answer: C

Explanation: A)
B)
C)
D)

Write the whole or mixed number as an improper fraction.

69) $7\frac{4}{9}$

69) _____

A) $\frac{37}{9}$

B) $\frac{11}{9}$

C) $\frac{67}{9}$

D) $\frac{68}{9}$

Answer: C

Explanation: A)
B)
C)
D)

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

70) $5\frac{2}{3} + 3\frac{8}{9} + 6\frac{4}{5}$

70) _____

A) $16\frac{106}{45}$

B) $14\frac{14}{17}$

C) $318\frac{16}{45}$

D) $16\frac{16}{45}$

Answer: D

Explanation: A)
B)
C)
D)

71) $\frac{1}{4} + \frac{1}{8}$

71) _____

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

B) $\frac{3}{8}$

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

D) $\frac{13}{32}$

Answer: B

Explanation: A)
B)
C)
D)

Find the reciprocal.

72) 6

72) _____

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

B) 1

C) 6

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

Answer: A

Explanation: A)
B)
C)
D)

Find the difference. Write the difference in lowest terms.

73) $\frac{1}{7} - \frac{1}{12}$

73) _____

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

B) $\frac{5}{7}$

C) $\frac{5}{84}$

D) $\frac{1}{84}$

Answer: C

Explanation: A)
B)
C)
D)

Solve the problem.

74) 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?

74) _____

A) $\frac{1}{5}$ in.

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

C) $\frac{5}{24}$ in.

D) $\frac{1}{12}$ in.

Answer: D

Explanation: A)
B)
C)
D)

Find the quotient.

75) $\frac{3}{8} \div 1\frac{4}{5}$

75) _____

A) $1\frac{13}{27}$

B) $\frac{27}{40}$

C) $\frac{5}{24}$

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

Answer: C

Explanation: A)
B)
C)
D)

Write the fraction as a whole or mixed number.

76) $\frac{78}{13}$

76) _____

A) 7

B) $6\frac{2}{13}$

C) 5

D) 6

Answer: D

Explanation: A)
B)
C)
D)

Solve the problem.

- 77) 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? 77) _____

A) $\frac{165}{863}$ in. B) $\frac{19}{23}$ in. C) $1\frac{4}{19}$ in. D) $5\frac{38}{165}$ in.

Answer: D

Explanation: A)
B)
C)
D)

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

- 78) $\frac{1}{3} + \frac{1}{9}$ 78) _____

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

Answer: A

Explanation: A)
B)
C)
D)

Solve the problem.

- 79) Tim needs to apply $2\frac{3}{4}$ gallons of herbicide per acre of soybeans. How many gallons of herbicide are needed for 212 acres? 79) _____

A) $77\frac{1}{11}$ gallons B) 583 gallons C) 109 gallons D) $106\frac{3}{4}$ gallons

Answer: B

Explanation: A)
B)
C)
D)

Reduce to lowest terms.

- 80) $\frac{3}{15}$ 80) _____

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

Answer: A

Explanation: A)
B)
C)
D)

81) $\frac{2}{8}$

81) _____

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

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

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

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

Answer: C

Explanation: A)
B)
C)
D)

Write the whole or mixed number as an improper fraction.

82) $27\frac{1}{7}$

82) _____

A) $\frac{190}{7}$

B) $\frac{191}{7}$

C) $\frac{34}{7}$

D) 4

Answer: A

Explanation: A)
B)
C)
D)

Solve the problem.

83) 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?

83) _____

A) $5\frac{1}{2}$ hr

B) $2\frac{14}{15}$ hr

C) $\frac{2}{15}$ hr

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

Answer: B

Explanation: A)
B)
C)
D)

Find the reciprocal.

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

84) _____

A) 12

B) 1

C) 0

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

Answer: A

Explanation: A)
B)
C)
D)

Classify the fraction as proper or improper.

85) $\frac{47}{6}$

85) _____

A) improper

B) proper

Answer: A

Explanation: A)
B)

86) $\frac{4}{4}$

86) _____

A) proper

B) improper

Answer: B

Explanation: A)
B)

Solve the problem.

87) 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?

87) _____

A) 7 hr

B) $6\frac{9}{10}$ hr

C) $7\frac{9}{10}$ hr

D) $7\frac{1}{10}$ hr

Answer: B

Explanation: A)
B)
C)
D)

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

88) $\frac{4}{5} + \frac{1}{5}$

88) _____

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

B) 1

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

D) $\frac{5}{10}$

Answer: B

Explanation: A)
B)
C)
D)

Find the product.

89) $1\frac{1}{5} \times 2\frac{1}{10}$

89) _____

A) $2\frac{1}{50}$

B) $2\frac{3}{25}$

C) $4\frac{1}{50}$

D) $2\frac{13}{25}$

Answer: D

Explanation: A)
B)
C)
D)

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

90) $20\frac{4}{7} + 17\frac{2}{7} + 14\frac{5}{7}$ 90) _____

A) $53\frac{4}{7}$

B) $52\frac{4}{7}$

C) $51\frac{4}{7}$

D) 52

Answer: B

Explanation: A)
B)
C)
D)

Find the difference. Write the difference in lowest terms.

91) $19\frac{4}{7} - 9\frac{5}{7}$ 91) _____

A) $9\frac{5}{7}$

B) $27\frac{6}{7}$

C) $9\frac{6}{7}$

D) $28\frac{6}{7}$

Answer: C

Explanation: A)
B)
C)
D)

92) $7\frac{7}{12} - 5$ 92) _____

A) $44\frac{7}{12}$

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

C) $2\frac{7}{12}$

D) $\frac{7}{12}$

Answer: C

Explanation: A)
B)
C)
D)

Solve the problem.

93) 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? 93) _____

A) $2\frac{8}{19}$ hr

B) $8\frac{19}{56}$ hr

C) $\frac{19}{46}$ hr

D) $\frac{56}{467}$ hr

Answer: B

Explanation: A)
B)
C)
D)

94) 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? 94) _____

- A) $1\frac{3}{10}$ yd B) $1\frac{6}{7}$ yd C) 17 yd D) $11\frac{9}{10}$ yd

Answer: D

Explanation: A)
B)
C)
D)

Find the product.

95) $\frac{3}{7} \times \frac{2}{3}$ 95) _____

- A) $\frac{2}{7}$ B) $\frac{14}{9}$ C) $\frac{1}{7}$ D) $\frac{1}{2}$

Answer: A

Explanation: A)
B)
C)
D)

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

96) $\frac{2}{10} + \frac{1}{10} + \frac{1}{10}$ 96) _____

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

Answer: D

Explanation: A)
B)
C)
D)

97) $5\frac{7}{8} + 1\frac{3}{8}$ 97) _____

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

Answer: C

Explanation: A)
B)
C)
D)

Find the difference. Write the difference in lowest terms.

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

98) _____

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

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

C) 15

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

Answer: A

Explanation: A)
B)
C)
D)

Solve the problem.

99) 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?

99) _____

A) $\frac{11}{41}$ in.

B) $\frac{2}{27}$ in.

C) $3\frac{8}{11}$ in.

D) $13\frac{1}{2}$ in.

Answer: D

Explanation: A)
B)
C)
D)

Find the product.

100) $2\frac{2}{9} \times \frac{1}{5}$

100) _____

A) $2\frac{2}{45}$

B) $2\frac{4}{9}$

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

D) $\frac{4}{9}$

Answer: D

Explanation: A)
B)
C)
D)

Find the quotient.

101) $\frac{3}{7} \div \frac{1}{5}$

101) _____

A) $\frac{3}{35}$

B) $\frac{1}{3}$

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

D) $2\frac{1}{7}$

Answer: D

Explanation: A)
B)
C)
D)

Find the product.

102) $3\frac{1}{2} \times 3\frac{3}{7}$

102) _____

A) 9

B) 11

C) 7

D) 12

Answer: D

Explanation: A)
B)
C)
D)

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

103) $3\frac{1}{3} + 1\frac{3}{16} + 1\frac{1}{8}$

103) _____

A) $5\frac{31}{48}$

B) $5\frac{21}{16}$

C) $5\frac{5}{27}$

D) $6\frac{31}{48}$

Answer: A

Explanation: A)
B)
C)
D)

Write the fraction as a whole or mixed number.

104) $\frac{42}{10}$

104) _____

A) $4\frac{2}{5}$

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

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

D) $4\frac{1}{5}$

Answer: D

Explanation: A)
B)
C)
D)

Find the difference. Write the difference in lowest terms.

105) $13\frac{5}{7} - 5\frac{1}{2}$

105) _____

A) $6\frac{11}{14}$

B) $7\frac{9}{14}$

C) $8\frac{3}{14}$

D) $8\frac{9}{14}$

Answer: C

Explanation: A)
B)
C)
D)

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

106) $5\frac{2}{3} + 5\frac{1}{3} + \frac{2}{3}$

106) _____

A) $11\frac{2}{3}$

B) $11\frac{1}{2}$

C) $10\frac{2}{3}$

D) $12\frac{2}{3}$

Answer: A

Explanation: A)
B)
C)
D)

Find the product.

107) $2\frac{2}{5} \times 3\frac{1}{3}$

107) _____

A) $7\frac{1}{3}$

B) 8

C) $6\frac{4}{5}$

D) $6\frac{2}{15}$

Answer: B

Explanation: A)
B)
C)
D)

Classify the fraction as proper or improper.

108) $\frac{3}{5}$

108) _____

A) proper

B) improper

Answer: A

Explanation: A)
B)

Solve the problem.

109) How many pieces of yarn $8\frac{1}{4}$ inches long can be cut from a 60 inch piece of yarn? Round answer to the nearest piece of yarn.

109) _____

A) 495 pieces

B) 7 pieces

C) 121 pieces

D) None of these

Answer: B

Explanation: A)
B)
C)
D)

Classify the fraction as proper or improper.

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

110) _____

A) improper

B) proper

Answer: B

Explanation: A)
B)

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

111) $\frac{5}{8} + \frac{1}{8}$ 111) _____

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

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

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

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

Answer: A

Explanation: A)
B)
C)
D)

Find the product.

112) $\frac{1}{2} \times 10$ 112) _____

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

B) 5

C) 20

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

Answer: B

Explanation: A)
B)
C)
D)

113) $3\frac{6}{7} \times 7\frac{7}{9}$ 113) _____

A) 30

B) 34

C) $21\frac{42}{63}$

D) 31

Answer: A

Explanation: A)
B)
C)
D)

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

114) $6\frac{1}{4} + 6\frac{1}{8} + 1\frac{1}{4}$ 114) _____

A) $13\frac{5}{8}$

B) $13\frac{3}{8}$

C) $13\frac{3}{16}$

D) $13\frac{3}{32}$

Answer: A

Explanation: A)
B)
C)
D)

Solve the problem.

115) On a certain map, 1 inch equals 24 miles. How many miles are in $5\frac{3}{4}$ inches? 115) _____

A) $4\frac{4}{23}$ miles

B) 33 miles

C) $30\frac{3}{4}$ miles

D) 138 miles

Answer: D

Explanation: A)
B)
C)
D)

116) While shopping for a party, June bought 4 pounds of hamburger, $1\frac{6}{7}$ pounds of chicken, and 116) _____

$1\frac{5}{8}$ pounds of ham. How much meat did she buy?

A) $\frac{56}{419}$ lb

B) $\frac{9}{19}$ lb

C) $2\frac{1}{9}$ lb

D) $7\frac{27}{56}$ lb

Answer: D

Explanation: A)
B)
C)
D)

117) 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 117) _____

many tiles will be needed along the wall?

A) $2\frac{1}{8}$ tiles

B) 21 tiles

C) $18\frac{3}{8}$ tiles

D) $19\frac{1}{8}$ tiles

Answer: D

Explanation: A)
B)
C)
D)

Reduce to lowest terms.

118) $\frac{30}{40}$ 118) _____

A) $\frac{30}{40}$

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

C) $\frac{10}{4}$

D) $\frac{3}{10}$

Answer: B

Explanation: A)
B)
C)
D)

Find the reciprocal.

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

119) _____

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

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

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

D) 7

Answer: A

Explanation: A)
B)
C)
D)

Solve the problem.

120) 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. 120) _____

A) 6

B) $5\frac{13}{100}$

C) $7\frac{3}{10}$

D) $6\frac{13}{100}$

Answer: D

Explanation: A)
B)
C)
D)

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

121) $9\frac{1}{7} + 14\frac{3}{4}$

121) _____

A) $22\frac{25}{28}$

B) $9\frac{25}{28}$

C) $23\frac{25}{28}$

D) $24\frac{25}{28}$

Answer: C

Explanation: A)
B)
C)
D)

Classify the fraction as proper or improper.

122) $\frac{4}{6}$

122) _____

A) proper

B) improper

Answer: A

Explanation: A)
B)

Find the reciprocal.

123) 12

123) _____

A) 12

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

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

D) 1

Answer: B

Explanation: A)
B)
C)
D)

Find the difference. Write the difference in lowest terms.

124) $15 - 6\frac{2}{3}$

124) _____

A) $14\frac{1}{3}$

B) $8\frac{1}{3}$

C) $9\frac{2}{3}$

D) $9\frac{1}{3}$

Answer: B

Explanation: A)
B)
C)
D)

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

125) $\frac{7}{9} + \frac{1}{9}$

125) _____

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

B) $\frac{7}{9}$

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

D) $\frac{9}{10}$

Answer: A

Explanation: A)
B)
C)
D)

126) $14\frac{1}{3} + 4\frac{2}{3} + \frac{1}{3}$

126) _____

A) $20\frac{1}{3}$

B) $19\frac{1}{2}$

C) $19\frac{1}{3}$

D) $18\frac{1}{3}$

Answer: C

Explanation: A)
B)
C)
D)

Write the fraction as a whole or mixed number.

127) $\frac{15}{6}$

127) _____

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

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

C) $2\frac{5}{6}$

D) $3\frac{1}{2}$

Answer: B

Explanation: A)
B)
C)
D)

Solve the problem.

128) A small company sells stock for $6\frac{7}{8}$ dollars per share. How much will 192 shares cost? 128) _____

A) 1320 dollars

B) 151 dollars

C) 144 dollars

D) $27\frac{51}{55}$ dollars

Answer: A

Explanation: A)
B)
C)
D)

129) 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. 129) _____

How many more hours does he need to work?

A) $6\frac{1}{4}$ hr

B) $\frac{3}{8}$ hr

C) $4\frac{1}{6}$ hr

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

Answer: C

Explanation: A)
B)
C)
D)

130) A statistician has readings that take $3\frac{2}{3}$ minutes each to read and record. How many readings can 130) _____

be completed in 264 minutes?

A) 72 readings

B) 266 readings

C) 10 readings

D) 968 readings

Answer: A

Explanation: A)
B)
C)
D)

Find the product.

131) $\frac{2}{3} \times \frac{1}{2}$ 131) _____

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

B) $\frac{1}{3}$

C) $\frac{5}{12}$

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

Answer: B

Explanation: A)
B)
C)
D)

Solve the problem.

132) 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? 132) _____

A) 1 gal

B) $\frac{6}{7}$ gal

C) $\frac{7}{12}$ gal

D) $\frac{1}{2}$ gal

Answer: C

Explanation: A)
B)
C)
D)

Find the quotient.

133) $\frac{3}{4} \div \frac{5}{8}$ 133) _____

A) $\frac{5}{6}$

B) $2\frac{2}{15}$

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

D) $\frac{15}{32}$

Answer: C

Explanation: A)
B)
C)
D)

Answer Key

Testname: C2

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

Answer Key
Testname: C2

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

Answer Key

Testname: C2

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