

Exam

Name _____

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

Provide an appropriate response.

- 1) 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. 1) _____

A) denominator
B) none of the above
C) LCD
D) numerator

Answer: A

Explanation: A)
B)
C)
D)

- 2) A fraction is in lowest terms when there is no number that can be divided evenly into the numerator and denominator. 2) _____

A) True
B) False

Answer: A

Explanation: A)
B)

- 3) 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. 3) _____

A) True
B) False

Answer: B

Explanation: A)
B)

- 4) You can rewrite a fraction to higher terms by adding the numerator and the denominator. 4) _____

A) True
B) False

Answer: B

Explanation: A)
B)

- 5) The top term in a fraction is called the numerator. 5) _____

A) True
B) False

Answer: A

Explanation: A)
B)

- 6) A proper fraction has a value greater than 1. 6) _____

A) True
B) False

Answer: B

Explanation: A)
B)

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

A) 9

B) 29

C) 41

D) 19

7) _____

Answer: A

Explanation: A)
B)
C)
D)

8) The reciprocal is used:

A) to replace the cancellation method

B) in multiplying fractions

C) in dividing fractions

D) in dividing whole numbers

8) _____

Answer: C

Explanation: A)
B)
C)
D)

9) Before you can add or subtract fractions, they must have the same denominators.

A) True

B) False

9) _____

Answer: A

Explanation: A)
B)

10) Raising a fraction to higher terms changes the value of the fraction.

A) True

B) False

10) _____

Answer: B

Explanation: A)
B)

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

A) reciprocals

B) quotients

C) products

D) none of these

11) _____

Answer: A

Explanation: A)
B)
C)
D)

12) The reciprocal is not used in dividing fractions.

A) True

B) False

12) _____

Answer: B

Explanation: A)
B)

13) When multiplying two proper fractions, the product:

A) is always greater than 1

B) is always a proper fraction

C) has a value equal to 1

D) has a value between the two fractions

13) _____

Answer: B

Explanation: A)
B)
C)
D)

- 14) The bottom term in a fraction is the divisor or the number that divides into the numerator. 14) _____
A) True B) False
Answer: A
Explanation: A)
B)
- 15) The least common denominator of $\frac{1}{3}$, $\frac{5}{12}$, $\frac{5}{6}$, and $\frac{3}{4}$ is: 15) _____
A) 4 B) 3 C) 6 D) 12
Answer: D
Explanation: A)
B)
C)
D)
- 16) The following two numbers are considered to be reciprocals: $\frac{27}{8}$ and $\frac{8}{27}$. 16) _____
A) True B) False
Answer: A
Explanation: A)
B)
- 17) Fractions should never be reduced to their lowest terms. 17) _____
A) True B) False
Answer: B
Explanation: A)
B)
- 18) If you multiply or divide both parts of a fraction by the same number, the value of the fraction does not change. 18) _____
A) True B) False
Answer: A
Explanation: A)
B)
- 19) When you multiply or divide fractions, you must first find the common denominator. 19) _____
A) True B) False
Answer: B
Explanation: A)
B)
- 20) When an improper fraction is converted, if there is a remainder, it is: 20) _____
A) a whole number. B) a prime number.
C) the numerator. D) the denominator.
Answer: C
Explanation: A)
B)
C)
D)

- 21) A fraction with a numerator that is less than the denominator is called an improper fraction. 21) _____
A) True B) False
Answer: B
Explanation: A)
B)
- 22) After fractions have been added, subtracted, multiplied, or divided, the fraction in the answer should be increased to its highest terms. 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) dividend B) numerator C) divisor D) denominator
Answer: D
Explanation: A)
B)
C)
D)
- 24) To divide by a fraction, divide the dividend by the reciprocal of the dividend. 24) _____
A) True B) False
Answer: B
Explanation: A)
B)
- 25) To reduce a fraction to its lowest terms: 25) _____
A) add the same number to the numerator and the denominator.
B) subtract the same number from the numerator and the denominator.
C) divide the numerator and the denominator by the same number.
D) multiply the numerator and the denominator by the same number.
Answer: C
Explanation: A)
B)
C)
D)
- 26) Reducing before multiplying: 26) _____
A) raises fractions to their highest terms
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) is an alternative method for multiplying fractions
Answer: D
Explanation: A)
B)
C)
D)

- 27) The greatest common divisor can be zero. 27) _____
 A) True B) False
 Answer: B
 Explanation: A)
 B)
- 28) If the product of two numbers is 1, they are said to be: 28) _____
 A) reciprocals. B) unequal.
 C) quotients. D) mixed numbers.
 Answer: A
 Explanation: A)
 B)
 C)
 D)
- 29) Which of the following statements is correct? 29) _____
 A) prime numbers are also known as least common denominators
 B) none of these
 C) a prime number can be divided only by 1 and itself
 D) prime numbers are the reciprocals of fractions
 Answer: C
 Explanation: A)
 B)
 C)
 D)
- 30) A prime number is any number larger than 1 that is divisible only by itself and 1. 30) _____
 A) True B) False
 Answer: A
 Explanation: A)
 B)
- 31) The least common denominator of $\frac{3}{8}$, $\frac{1}{4}$, and $\frac{7}{32}$ is: 31) _____
 A) 16 B) 32 C) 64 D) 8
 Answer: B
 Explanation: A)
 B)
 C)
 D)
- 32) 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. 32) _____
 A) True B) False
 Answer: B
 Explanation: A)
 B)

- 33) An equivalent number is a converted whole or mixed number that has the same numerical value as the original fraction. 33) _____
A) True B) False
Answer: A
Explanation: A)
B)
- 34) To convert mixed numbers to improper fractions you would: 34) _____
A) multiply the whole number times the numerator of the fraction and add the product to the original denominator.
B) none of these.
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)
- 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) Multiplication and division of fractions are totally dissimilar activities requiring separate skills. 36) _____
A) True B) False
Answer: B
Explanation: A)
B)
- 37) The horizontal line that separates the numerator and the denominator is called the dividend. 37) _____
A) True B) False
Answer: B
Explanation: A)
B)
- 38) The largest possible number that will divide equally into 2 or more other numbers is called the: 38) _____
A) denominator. B) least common denominator.
C) numerator. D) greatest common divisor.
Answer: D
Explanation: A)
B)
C)
D)

- 39) To change an improper fraction into a whole or mixed number, you need only divide the denominator by the numerator. 39) _____
 A) True B) False
 Answer: B
 Explanation: A)
 B)
- 40) The letters GCD stand for Greatest Common Divisor. 40) _____
 A) True B) False
 Answer: A
 Explanation: A)
 B)
- 41) An improper fraction has a value equal to or less than 1. 41) _____
 A) True B) False
 Answer: B
 Explanation: A)
 B)

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

- 42) To divide by a fraction, _____ the dividend by the _____ of the divisor. 42) _____
 Answer: multiply, reciprocal
 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) The division of a fraction also involves the operation of _____. 44) _____
 Answer: multiplication
 Explanation:
- 45) When you add fractions with the same denominator, you add the _____ and then place that number over the denominator and _____ to the lowest terms. 45) _____
 Answer: numerators, reduce
 Explanation:
- 46) When adding fractions with different denominators, you must first find the _____. 46) _____
 Answer: Least Common Denominator
 Explanation:
- 47) When you multiply or divide fractions, you do not have to find the _____. 47) _____
 Answer: common denominator
 Explanation:

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

48) _____

Answer: reciprocals

Explanation:

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

49) _____

Answer: numerators

Explanation:

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

Write the fraction as a whole or mixed number.

50) $\frac{40}{5}$

50) _____

A) $8\frac{2}{5}$

B) 7

C) 9

D) 8

Answer: D

Explanation: A)
B)
C)
D)

Solve the problem.

51) For every 100 shoppers in a bookstore, \$707 dollars worth of books are sold. Express the number of dollars spent per shopper as a whole or mixed number.

51) _____

A) $7\frac{7}{10}$

B) $7\frac{7}{100}$

C) 7

D) $6\frac{7}{100}$

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.

52) $3\frac{1}{6} + 14\frac{5}{6} + \frac{1}{4}$

52) _____

A) $18\frac{1}{2}$

B) $19\frac{1}{4}$

C) $17\frac{1}{4}$

D) $18\frac{1}{4}$

Answer: D

Explanation: A)
B)
C)
D)

Find the difference. Write the difference in lowest terms.

53) $8\frac{8}{11} - 4$

53) _____

A) $8\frac{4}{11}$

B) $60\frac{8}{11}$

C) $4\frac{8}{11}$

D) $\frac{8}{11}$

Answer: C

Explanation: A)
B)
C)
D)

Solve the problem.

54) A small company sells stock for $7\frac{3}{8}$ dollars per share. How much will 304 shares cost?

54) _____

A) $41\frac{13}{59}$ dollars

B) 266 dollars

C) 269 dollars

D) 2242 dollars

Answer: D

Explanation: A)
B)
C)
D)

Find the reciprocal.

55) 3

55) _____

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

B) 3

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

D) 1

Answer: C

Explanation: A)
B)
C)
D)

Solve the problem.

56) Tim needs to apply $1\frac{1}{4}$ gallons of herbicide per acre of soybeans. How many gallons of herbicide are needed for 176 acres?

56) _____

A) 45 gallons

B) 220 gallons

C) $44\frac{1}{4}$ gallons

D) $140\frac{4}{5}$ gallons

Answer: B

Explanation: A)
B)
C)
D)

Find the difference. Write the difference in lowest terms.

57) $12 - 5\frac{5}{9}$

57) _____

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

B) $11\frac{4}{9}$

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

D) $6\frac{4}{9}$

Answer: D

Explanation: A)
B)
C)
D)

Find the product.

58) $4\frac{1}{2} \times 2\frac{2}{3}$

58) _____

A) 8

B) 6

C) 12

D) 11

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.

59) $\frac{2}{9} + \frac{4}{9}$

59) _____

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

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

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

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

Answer: C

Explanation: A)
B)
C)
D)

Reduce to lowest terms.

60) $\frac{30}{70}$

60) _____

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

B) $\frac{10}{7}$

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

D) $\frac{30}{70}$

Answer: A

Explanation: A)
B)
C)
D)

Solve the problem.

- 61) A technician has readings that take $3\frac{1}{3}$ minutes each to read and record. How many readings can be completed in 240 minutes? 61) _____

A) 9 readings B) 241 readings C) 72 readings D) 800 readings

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.

- 62) $\frac{4}{9} + \frac{4}{9}$ 62) _____

A) $\frac{7}{9}$ B) $\frac{7}{8}$ C) $\frac{8}{9}$ D) $\frac{9}{10}$

Answer: C

Explanation: A)
B)
C)
D)

Classify the fraction as proper or improper.

- 63) $\frac{3}{3}$ 63) _____

A) proper B) improper

Answer: B

Explanation: A)
B)

- 64) $\frac{5}{9}$ 64) _____

A) proper B) improper

Answer: A

Explanation: A)
B)

Find the difference. Write the difference in lowest terms.

- 65) $16\frac{10}{19} - 1\frac{7}{19}$ 65) _____

A) $15\frac{17}{38}$ B) $15\frac{17}{19}$ C) $17\frac{3}{19}$ D) $15\frac{3}{19}$

Answer: D

Explanation: A)
B)
C)
D)

Find the quotient.

66) $3\frac{5}{8} \div 1\frac{3}{5}$

66) _____

A) $2\frac{18}{64}$

B) $2\frac{17}{64}$

C) $3\frac{17}{64}$

D) $2\frac{17}{63}$

Answer: B

Explanation: A)
B)
C)
D)

Write the fraction as a whole or mixed number.

67) $\frac{64}{6}$

67) _____

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

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

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

D) 11

Answer: B

Explanation: A)
B)
C)
D)

Find the difference. Write the difference in lowest terms.

68) $\frac{1}{5} - \frac{1}{14}$

68) _____

A) $\frac{9}{70}$

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

C) $\frac{9}{5}$

D) $\frac{1}{70}$

Answer: A

Explanation: A)
B)
C)
D)

Solve the problem.

69) While shopping for a party, June bought $2\frac{1}{2}$ pounds of hamburger, 3 pounds of chicken, and

69) _____

$4\frac{1}{3}$ pounds of ham. How much meat did she buy?

A) $\frac{6}{59}$ lb

B) $9\frac{5}{6}$ lb

C) 3 lb

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

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.

70) $15\frac{4}{5} + 3\frac{2}{5} + 20\frac{3}{5}$

70) _____

A) $38\frac{4}{5}$

B) $40\frac{4}{5}$

C) $39\frac{4}{5}$

D) 39

Answer: C

Explanation: A)
B)
C)
D)

Find the reciprocal.

71) $\frac{1}{16}$

71) _____

A) 0

B) 16

C) 1

D) $\frac{1}{16}$

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.

72) $1\frac{9}{11} + 5\frac{8}{11}$

72) _____

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

B) $6\frac{9}{11}$

C) $6\frac{17}{11}$

D) $7\frac{6}{11}$

Answer: D

Explanation: A)
B)
C)
D)

Solve the problem.

73) Jake wants to work $6\frac{1}{2}$ hours at his part-time job this week. He has already worked $1\frac{3}{5}$ hours.

73) _____

How many more hours does he need to work?

A) $4\frac{9}{10}$ hr

B) 7 hr

C) $\frac{5}{7}$ hr

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

Answer: A

Explanation: A)
B)
C)
D)

Find the difference. Write the difference in lowest terms.

74) $\frac{7}{9} - \frac{1}{2}$

74) _____

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

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

C) $\frac{5}{18}$

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

Answer: C

Explanation: A)
B)
C)
D)

Write the fraction as a whole or mixed number.

75) $\frac{71}{12}$

75) _____

A) $6\frac{11}{12}$

B) $4\frac{11}{12}$

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

D) $6\frac{1}{12}$

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.

76) $4\frac{1}{4} + 6\frac{3}{8} + 1\frac{5}{12}$

76) _____

A) $11\frac{3}{8}$

B) $11\frac{1}{24}$

C) $12\frac{1}{96}$

D) $12\frac{1}{24}$

Answer: D

Explanation: A)
B)
C)
D)

Solve the problem.

77) The floor of a rectangular room is to be tiled with $\frac{1}{3}$ foot square tiles along a $6\frac{5}{8}$ foot wall. How many tiles will be needed along the wall?

77) _____

A) 23 tiles

B) $2\frac{5}{24}$ tiles

C) $19\frac{7}{8}$ tiles

D) $18\frac{5}{8}$ tiles

Answer: C

Explanation: A)
B)
C)
D)

Find the difference. Write the difference in lowest terms.

78) $\frac{7}{6} - \frac{3}{6}$

78) _____

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

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

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

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

Answer: B

Explanation: A)
B)
C)
D)

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

79) $\frac{2}{3} = \frac{?}{6}$

79) _____

A) $\frac{2}{6}$

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

C) $\frac{0}{6}$

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

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.

80) $\frac{1}{6} + \frac{1}{30}$

80) _____

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

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

C) $\frac{37}{180}$

D) $\frac{1}{15}$

Answer: B

Explanation: A)
B)
C)
D)

Write the whole or mixed number as an improper fraction.

81) $30\frac{1}{8}$

81) _____

A) $\frac{19}{4}$

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

C) $\frac{241}{8}$

D) $\frac{121}{4}$

Answer: C

Explanation: A)
B)
C)
D)

Solve the problem.

- 82) A nail $2\frac{5}{6}$ inches long is driven into a board $2\frac{3}{4}$ inches thick. How much of the nail protrudes from the other side of the board? 82) _____

A) $\frac{1}{5}$ in. B) $\frac{3}{5}$ in. C) $\frac{1}{4}$ in. D) $\frac{1}{12}$ in.

Answer: D

Explanation: A)
B)
C)
D)

Find the quotient.

- 83) $\frac{1}{6} \div \frac{3}{8}$ 83) _____

A) $1\frac{1}{3}$ B) 288 C) $\frac{4}{9}$ D) $2\frac{1}{4}$

Answer: C

Explanation: A)
B)
C)
D)

Reduce to lowest terms.

- 84) $\frac{4}{14}$ 84) _____

A) $\frac{2}{14}$ B) $\frac{3}{8}$ C) $\frac{4}{14}$ D) $\frac{2}{7}$

Answer: D

Explanation: A)
B)
C)
D)

Solve the problem.

- 85) How many pieces of wire $6\frac{1}{4}$ inches long can be cut from a 76 inch piece of wire? Round answer to the nearest piece of wire. 85) _____

A) 475 pieces B) 115 pieces C) 12 pieces D) None of these

Answer: C

Explanation: A)
B)
C)
D)

Find the reciprocal.

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

86) _____

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

B) 9

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

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

Answer: D

Explanation: A)
B)
C)
D)

Solve the problem.

87) A laminated lab bench has $2\frac{1}{4}$ inches of plywood, $2\frac{3}{5}$ inches of pressed board, and $\frac{3}{8}$ inch of formica. What is the thickness of the lab bench?

87) _____

A) $\frac{40}{209}$ in.

B) $1\frac{8}{17}$ in.

C) $\frac{17}{25}$ in.

D) $5\frac{9}{40}$ in.

Answer: D

Explanation: A)
B)
C)
D)

Write the fraction as a whole or mixed number.

88) $\frac{14}{4}$

88) _____

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

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

C) 4

D) $4\frac{1}{2}$

Answer: A

Explanation: A)
B)
C)
D)

Find the reciprocal.

89) $2\frac{5}{7}$

89) _____

A) $\frac{7}{19}$

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

C) $\frac{19}{7}$

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

Answer: A

Explanation: A)
B)
C)
D)

Find the product.

90) $\frac{1}{5} \times 10$

90) _____

A) $\frac{10}{50}$

B) 50

C) 2

D) $\frac{1}{50}$

Answer: C

Explanation: A)
B)
C)
D)

Solve the problem.

91) There were $15\frac{1}{2}$ yards of fabric on a bolt. After a customer bought $4\frac{1}{3}$ yards of fabric, how many yards were left?

91) _____

A) $13\frac{2}{5}$ yd

B) $11\frac{1}{6}$ yd

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

D) 3 yd

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.

92) $3\frac{1}{6} + 3\frac{1}{4} + 2\frac{1}{3}$

92) _____

A) $8\frac{3}{4}$

B) $9\frac{3}{4}$

C) $8\frac{1}{4}$

D) $8\frac{19}{12}$

Answer: A

Explanation: A)
B)
C)
D)

93) $9\frac{1}{2} + 3\frac{1}{4} + \frac{2}{3}$

93) _____

A) $13\frac{1}{2}$

B) $14\frac{5}{12}$

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

D) $13\frac{5}{12}$

Answer: D

Explanation: A)
B)
C)
D)

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

94) $\frac{1}{5} = \frac{?}{10}$

94) _____

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

B) $\frac{2}{10}$

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

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

Answer: B

Explanation: A)
B)
C)
D)

Find the product.

95) $1\frac{7}{8} \times 12\frac{4}{5}$

95) _____

A) 24

B) $12\frac{28}{40}$

C) 25

D) 23

Answer: A

Explanation: A)
B)
C)
D)

Find the difference. Write the difference in lowest terms.

96) $14\frac{7}{9} - 7\frac{8}{9}$

96) _____

A) $21\frac{8}{9}$

B) $6\frac{8}{9}$

C) $20\frac{8}{9}$

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

Answer: B

Explanation: A)
B)
C)
D)

Solve the problem.

97) To obtain a certain shade of paint, Peter mixed $6\frac{1}{2}$ gallons of white paint with $2\frac{1}{4}$ gallons of brown

97) _____

and $1\frac{2}{3}$ gallons of blue paint. How much paint did he have?

A) $2\frac{7}{15}$ gal

B) $10\frac{5}{12}$ gal

C) $\frac{12}{125}$ gal

D) $\frac{15}{37}$ gal

Answer: B

Explanation: A)
B)
C)
D)

Find the product.

98) $\frac{4}{7} \times \frac{1}{8}$

98) _____

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

B) $\frac{5}{56}$

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

D) $\frac{7}{32}$

Answer: A

Explanation: A)
B)
C)
D)

Write the whole or mixed number as an improper fraction.

99) $9\frac{2}{9}$

99) _____

A) 3

B) $\frac{83}{9}$

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

D) $\frac{28}{3}$

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.

100) $\frac{4}{15} + \frac{3}{15} + \frac{2}{15}$

100) _____

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

B) $\frac{24}{3375}$

C) $\frac{9}{45}$

D) $\frac{24}{15}$

Answer: A

Explanation: A)
B)
C)
D)

Reduce to lowest terms.

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

101) _____

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

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

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

D) $\frac{2}{10}$

Answer: C

Explanation: A)
B)
C)
D)

Find the quotient.

102) $\frac{5}{6} \div 1\frac{3}{5}$

102) _____

A) $1\frac{23}{25}$

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

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

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

Answer: B

Explanation: A)
B)
C)
D)

Find the difference. Write the difference in lowest terms.

103) $\frac{5}{11} - \frac{1}{11}$

103) _____

A) $\frac{5}{11}$

B) $\frac{6}{11}$

C) $\frac{4}{11}$

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

Answer: C

Explanation: A)
B)
C)
D)

Classify the fraction as proper or improper.

104) $\frac{52}{7}$

104) _____

A) improper

B) proper

Answer: A

Explanation: A)
B)

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

105) $\frac{2}{5} + \frac{2}{9}$

105) _____

A) $\frac{29}{45}$

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

C) $\frac{28}{45}$

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

Answer: C

Explanation: A)
B)
C)
D)

Find the difference. Write the difference in lowest terms.

106) $20\frac{4}{7} - 6\frac{1}{3}$

106) _____

A) $14\frac{5}{21}$

B) $13\frac{11}{21}$

C) $9\frac{3}{7}$

D) $14\frac{11}{21}$

Answer: A

Explanation: A)
B)
C)
D)

Find the quotient.

107) $\frac{1}{5} \div \frac{5}{6}$

107) _____

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

B) $\frac{6}{25}$

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

D) 6

Answer: B

Explanation: A)
B)
C)
D)

Solve the problem.

108) On a certain map, 1 inch equals 32 miles. How many miles are in $3\frac{3}{4}$ inches?

108) _____

A) $8\frac{8}{15}$ miles

B) $24\frac{3}{4}$ miles

C) 27 miles

D) 120 miles

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.

109) $9\frac{2}{7} + 17\frac{3}{7}$

109) _____

A) $27\frac{5}{7}$

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

C) $25\frac{5}{7}$

D) $26\frac{5}{7}$

Answer: D

Explanation: A)
B)
C)
D)

Write the fraction as a whole or mixed number.

110) $\frac{3}{3}$

110) _____

A) 1

B) 3

C) 33

D) 0

Answer: A

Explanation: A)
B)
C)
D)

Find the product.

111) $2 \times \frac{1}{2}$

111) _____

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

B) 1

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

D) 4

Answer: B

Explanation: A)
B)
C)
D)

112) $\frac{1}{2} \times \frac{2}{3}$

112) _____

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

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

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

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

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.

113) $\frac{1}{7} + \frac{6}{7}$

113) _____

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

B) 1

C) $\frac{7}{14}$

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

Answer: B

Explanation: A)
B)
C)
D)

Find the product.

114) $1\frac{4}{5} \times \frac{1}{6}$

114) _____

A) $1\frac{4}{30}$

B) $4\frac{3}{10}$

C) $\frac{1}{10}$

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

Answer: D

Explanation: A)
B)
C)
D)

Solve the problem.

115) A tank contains $2\frac{3}{5}$ gallons of water. Its capacity is $4\frac{1}{2}$ gallons. How much more water is needed to fill it? 115) _____

A) $4\frac{2}{9}$ gal

B) $\frac{1}{4}$ gal

C) $\frac{5}{9}$ gal

D) $1\frac{9}{10}$ gal

Answer: D

Explanation: A)
B)
C)
D)

116) Ellen is knitting a scarf with one 6-inch blue stripe, one $2\frac{1}{4}$ -inch green stripe, and one $1\frac{4}{9}$ -inch white stripe. How wide is the scarf? 116) _____

A) $\frac{2}{5}$ in.

B) $\frac{36}{349}$ in.

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

D) $9\frac{25}{36}$ in.

Answer: D

Explanation: A)
B)
C)
D)

Classify the fraction as proper or improper.

117) $\frac{2}{10}$

117) _____

A) improper

B) proper

Answer: B

Explanation: A)
B)

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

118) _____

A) improper

B) proper

Answer: B

Explanation: A)
B)

Find the product.

119) $4\frac{1}{5} \times 1\frac{1}{10}$

119) _____

A) $4\frac{21}{50}$

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

C) $4\frac{31}{50}$

D) $8\frac{1}{50}$

Answer: C

Explanation: A)
B)
C)
D)

Find the reciprocal.

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

120) _____

A) 1

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

C) 3

D) 0

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.

121) $1\frac{1}{2} + 3\frac{5}{6} + 6\frac{4}{5}$

121) _____

A) $10\frac{10}{13}$

B) $12\frac{32}{15}$

C) $128\frac{2}{15}$

D) $12\frac{2}{15}$

Answer: D

Explanation: A)
B)
C)
D)

Find the quotient.

122) $\frac{7}{8} \div \frac{1}{9}$

122) _____

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

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

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

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

Answer: D

Explanation: A)
B)
C)
D)

Solve the problem.

- 123) Peter must practice the piano $5\frac{1}{3}$ hours per week. He has already practiced $1\frac{3}{5}$ hours. How many more hours does he need to practice? 123) _____

A) 7 hr B) $\frac{8}{15}$ hr C) $3\frac{11}{15}$ hr D) 1 hr

Answer: C

Explanation: A)
B)
C)
D)

- 124) 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 9 hours. If he trained for $2\frac{2}{5}$ hours on the first day and $3\frac{7}{10}$ hours on the second day, how many hours would he need to train on the third day? 124) _____

A) $2\frac{9}{10}$ hr B) $3\frac{1}{10}$ hr C) 3 hr D) $3\frac{9}{10}$ hr

Answer: A

Explanation: A)
B)
C)
D)

Write the whole or mixed number as an improper fraction.

- 125) $11\frac{1}{10}$ 125) _____

A) $\frac{111}{10}$ B) $\frac{12}{10}$ C) $\frac{11}{10}$ D) $\frac{121}{10}$

Answer: A

Explanation: A)
B)
C)
D)

Find the reciprocal.

- 126) 18 126) _____

A) $\frac{18}{1}$ B) $\frac{1}{18}$ C) 18 D) 1

Answer: B

Explanation: A)
B)
C)
D)

Find the product.

127) $2\frac{1}{3} \times 3\frac{1}{8}$

127) _____

A) $6\frac{1}{24}$

B) $7\frac{1}{24}$

C) $6\frac{7}{24}$

D) $7\frac{7}{24}$

Answer: D

Explanation: A)
B)
C)
D)

Write the fraction as a whole or mixed number.

128) $\frac{73}{26}$

128) _____

A) $1\frac{21}{26}$

B) $2\frac{21}{26}$

C) $3\frac{21}{26}$

D) $2\frac{23}{26}$

Answer: B

Explanation: A)
B)
C)
D)

Solve the problem.

129) A Fortune 500 company reported profits of approximately \$420 million with approximately \$440 million in revenues. Compare the profit to revenue by writing as a fraction in lowest terms.

129) _____

A) $\frac{22}{21}$

B) $\frac{21}{22}$

C) $\frac{421}{441}$

D) $\frac{439}{419}$

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.

130) $1\frac{1}{8} + 1\frac{1}{16} + 4\frac{1}{8}$

130) _____

A) $6\frac{3}{16}$

B) $6\frac{5}{16}$

C) $6\frac{3}{128}$

D) $6\frac{3}{32}$

Answer: B

Explanation: A)
B)
C)
D)

131) $\frac{3}{4} + \frac{1}{20}$

131) _____

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

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

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

D) 1

Answer: C

Explanation: A)
B)
C)
D)

Solve the problem.

132) Jeff studied math for $4\frac{1}{3}$ hours, history for $3\frac{3}{4}$ hours, and physics for $2\frac{1}{2}$ hours. How long did he study?

132) _____

A) $\frac{5}{16}$ hr

B) $10\frac{7}{12}$ hr

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

D) $\frac{12}{127}$ hr

Answer: B

Explanation: A)
B)
C)
D)

Answer Key

Testname: C2

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

Answer Key

Testname: C2

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

Answer Key

Testname: C2

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