Math For Business and Finance 3rd edition Slater Test Bank

SKU: 9781260716320-TEST-BANK

Math For Business and Finance Edition 3 by Slater

CORRECT ANSWERS ARE LOCATED IN THE 2ND HALF OF THIS DOC.

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

1) A proper fraction is when the numerator is greater than the denominator.
   - ◎ true
   - ◎ false

2) The writing of a whole number and a proper fraction is an improper fraction.
   - ◎ true
   - ◎ false

3) $\frac{4}{5}$ is a proper fraction.</p>
   - ◎ true
   - ◎ false

4) The numerator is the top of the fraction and the denominator is the bottom of the fraction.
   - ◎ true
   - ◎ false

5) The numerator, like the dividend, is the number we are dividing into. The denominator, like the divisor, is the number we use to divide.
   - ◎ true
   - ◎ false

6) When a mixed number is converted to an improper fraction, the new numerator is placed over the old denominator.
   - ◎ true
   - ◎ false

7) The greatest common divisor can be zero.
   - ◎ true
   - ◎ false

8) Inspection as well as the step approach could be used to find the least common denominator.
   - ◎ true
   - ◎ false

9) In the step approach the last divisor used is the greatest common divisor.
   - ◎ true
   - ◎ false

TBEXAM.COM

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

10) Fractions should never be reduced to their lowest terms.
- ◎ true
- ◎ false

11) The greatest common divisor and the least common denominator are really the same.
- ◎ true
- ◎ false

12) The least common denominator of fractions can be found by observation or by the use of prime numbers.
- ◎ true
- ◎ false

13) 4 is a prime number.
- ◎ true
- ◎ false

14) 2, 5, 7, 11, and 13 are all examples of prime numbers.
- ◎ true
- ◎ false

TBEXAM.COM

15) Cancellation is a technique to reduce fractions to the lowest terms.
- ◎ true
- ◎ false

16) The reciprocal is not used in dividing fractions.
- ◎ true
- ◎ false

17) Reducing a fraction to the lowest terms does not change the fraction's value.
- ◎ true
- ◎ false

18) Raising a fraction to higher terms does change the value of the fraction.
- ◎ true
- ◎ false

19) A mixed number is a whole number and a proper fraction.
- ◎ true
- ◎ false

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd Edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

20) To convert a mixed number to a decimal you convert the fractional part of the mixed number to a decimal then add the converted fractional part to the whole number.
- ◎ true
- ◎ false

21) Since you cannot add or subtract unlike fractions because their denominators are not the same, you must change the unlike fractions to like fractions—fractions with the same denominators.
- ◎ true
- ◎ false

22) When subtracting mixed numbers if necessary, borrow from whole numbers. If so you subtract whole numbers and fractions if borrowing was necessary.
- ◎ true
- ◎ false

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

23) $1\frac{4}{5}$ is an example of a(n):</p>
- A) Proper fraction
- B) Mixed number
- C) Improper fraction
- D) Complex fraction
- E) None of these

TBEXAM.COM

24) $\frac{13}{2}$ converted to a mixed number is:</p>
- A) $6\frac{1}{6}$
- B) $6\frac{1}{2}$
- C) $6\frac{1}{3}$
- D) $6\frac{3}{4}$
- E) None of these

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

25) The greatest common divisor of $\frac{20}{30}$ is:

A) 2
B) 5
C) 1
D) 10
E) 3

26) The first step in using the step approach to finding the greatest common divisor is to:

A) Use the observation method
B) Divide the larger number into the smaller number
C) Divide the numerator into the denominator
D) Divide the remainder into the divisor
E) Subtract the numerator from the denominator

27) The first step in converting $\frac{30}{50} = \frac{?}{200}$ to higher terms is to:

A) Multiply 4 times 30
B) Divide 200 by 50
C) Divide 50 by 200
D) Multiply 200 times 30
E) None of these

TBEXAM.COM

28) $\frac{4}{5} + \frac{6}{5}$ equals:

A) $\frac{10}{10}$
B) $\frac{5}{1}$
C) 2
D) 100
E) None of these

29) In adding $\frac{4}{5} + \frac{18}{100}$ the least common denominator is:

A) 5
B) 20
C) 50
D) 100
E) 500

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd Edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

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

A) 5
B) 11
C) 19
D) 24
E) 2

31) The LCD of $\frac{6}{20}, \frac{9}{5}, \frac{7}{50}$ and $\frac{3}{4}$ is:

A) 5
B) 4
C) 20
D) 50
E) 100

32) The cancellation method:

A) Raises fractions to the highest terms
B) Results in multiplying a number evenly by the numerator and denominator of a fraction or fractions
C) Has a definite set of rules
D) Is an alternative method to reducing fractions to the lowest terms
E) None of these

TBEXAM.COM

33) The reciprocal is used:

A) In multiplying fractions
B) To replace the cancellation method
C) In dividing whole numbers
D) In dividing fractions
E) In adding fractions

34) Which step is not included in the step approach to calculating the greatest common divisor?

A) Divide small number into larger number
B) Divide remainder into divisor of last step
C) Continue dividing remainder into divisor till no remainder exists
D) Divide larger number into smaller number
E) None of these

TBEXAM.COM

TBEXAM.COM – THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

35) To find LCD by prime numbers you should:
- A) Take numerators and arrange in a row
- B) Divide numerators by highest prime number
- C) Continue division until no prime number will divide into at least three numbers
- D) Take denominators and arrange in a row
- E) None of these

36) A trip to Portland, Oregon, from Boston will take $7\frac{3}{4}$ hours. Assuming Shahik is two-thirds of the way there, how much longer in hours will the trip take?
- A) $\frac{7}{12}$
- B) $1\frac{7}{12}$
- C) $2\frac{7}{12}$
- D) $2\frac{1}{2}$
- E) None of these

37) Simone bought $1\frac{3}{4}$ lbs of sliced roast beef, $8\frac{1}{2}$ lbs of sliced ham, and $\frac{3}{4}$ lb of coleslaw at Albertson's Market. What was the total weight of the purchases?
- A) 11 lbs
- B) 10 lbs

TBEXAM.COM

- C) $9\frac{1}{2}$ lbs
- D) 12 lbs
- E) None of these

38) Bryce worked 8 hours on Monday, $4\frac{1}{4}$ hours on Tuesday, $6\frac{1}{8}$ hours on Wednesday, $7\frac{1}{4}$ hours on Thursday, and $8\frac{1}{8}$ hours on Friday. Calculate the total number of hours Bryce worked for the week.
- A) 35
- B) $33\frac{1}{8}$
- C) $32\frac{3}{4}$
- D) $33\frac{3}{4}$
- E) None of these

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd Edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

39) Cartons of humidifiers are stocked in 25,500 square feet. of warehouse space at Home Depot. If each carton requires $4\frac{1}{4}$ square feet. of space, how many cartons can be stored in this space?

A) 60
B) 600
C) 6,000
D) 60,000
E) 5,100

40) At a local Subway, Huy owns $\frac{1}{4}$ of the company and Davis owns $\frac{1}{8}$. Morah owns the rest. What part is owned by Morah?

A) $\frac{1}{4}$
B) $\frac{1}{8}$
C) $\frac{3}{8}$
D) $\frac{5}{8}$
E) None of these

41) Keneesha bought a Volvo that is $3\frac{3}{4}$ times as expensive as her parent's car. If her parents paid $15,000 for their car, what is the cost of Keneesha's car?

TBEXAM.COM

A) $45,000
B) $60,000
C) $30,000
D) $25,000
E) $56,250

42) The price of a new Apple iPad has increased by $\frac{1}{4}$ If the original price of the iPad was $500, what is the price today?

A) $550
B) $625
C) $600
D) $575
E) $125

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

43) The price of a Panasonic 3D flat screen television decreased by $\frac{1}{5}$. If the original price was $1,500, what is the price today?

A) $300
B) $1,200
C) $1,800
D) $1,000
E) $1,400

44) Liam has $20\frac{1}{8}$ days of vacation per year at Walmart. To date Liam has taken $4\frac{1}{2}$ days in January, $3\frac{1}{4}$ days in February, and $4\frac{1}{8}$ Days in March. How much more vacation time is Liam entitled to?

A) $9\frac{1}{4}$
B) $11\frac{7}{8}$
C) $8\frac{1}{4}$
D) $8\frac{1}{2}$
E) None of these

45) A machine at Staples photocopies $12\frac{1}{4}$ pages per minute. If the machine runs 700 minutes, how many pages will be photocopied?

A) 8,750
B) 7,850
C) 5,875
D) 8,575
E) 7,500

46) Elora is paid $130 per day at J.C. Penney. Elora became ill on Monday and had to leave after $\frac{2}{5}$ of a day. What did Elora earn on Monday? (Assume no work, no pay.)

A) $52
B) $50
C) $78
D) $36
E) $60

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd Edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

47) The price of a baseball ticket at Yankee Stadium increased by $2\frac{2}{5}$ over the last three years. If the original price of a ticket was $60, what is the price of the ticket today?

A) $175
B) $150
C) $144
D) $140
E) $130

48) Onyx, who loves to cook, makes an apple cake (serves six). The recipe calls for $2\frac{1}{2}$ pounds of apples, $2\frac{1}{4}$ cups of flour, $2\frac{1}{4}$ cup of margarine, $1\frac{1}{4}$ cups of sugar, and 4 eggs. Since guests are coming, Onyx would like to make this cake so it will serve 24. How many pounds of apples does Onxy need?

A) 10
B) 15
C) $17\frac{1}{2}$
D) $10\frac{1}{4}$
E) None of these

TBEXAM.COM

49) In a recent local taste contest testing Coke against Pepsi, it was found that $3/5$ of all people surveyed preferred the taste of Coke. If 7,500 people were in the survey, how many chose Pepsi?

A) 4,500
B) 5,400
C) 3,500
D) 3,000
E) None of these

50) The price of a $200,000 home listed by REMAX was reduced by $\frac{1}{20}$. What is the new price?

A) $180,000
B) $10,000
C) $170,000
D) $160,000
E) None of these

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd Edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

51) Mia bought a new monitor for $280. Ben, a friend of Mia's, can afford to pay only $\frac{3}{4}$ as much as Mia. What is the most Ben could pay for the radio?

A) $70
B) $210
C) $200
D) $190
E) None of these

52) Cho cut a 6-ft. Subway sandwich into $1\frac{1}{2}$-ft. sandwiches. How many sandwiches can be cut from the 6-ft. sub?

A) 6
B) 8
C) 5
D) 10
E) 4

53) The price of an Apple watch increased $1\frac{3}{4}$ times from the price last year. If this year's price is $475, what was last year's price (round to the nearest cent)?

A) $175.34
B) $271.43
C) $280.55
D) $240.14
E) $223.42

TBEXAM.COM

54) An American Airlines trip from Boston to Los Angeles takes $8\frac{1}{2}$ hours. Assuming a flight has gone $\frac{1}{4}$ of the way, how long has the trip taken so far?

A) $1\frac{1}{16}$
B) $7\frac{7}{16}$
C) $2\frac{1}{10}$
D) $6\frac{7}{16}$
E) $2\frac{1}{8}$

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

55) Lucy buys three pizzas for a birthday party. Each pizza has eight servings. Sixteen people eat pizza at the party (assume each has one serving). What part of the pizza remains uneaten?

A) $\frac{1}{3}$
B) $\frac{1}{4}$
C) $\frac{2}{3}$
D) $\frac{3}{4}$
E) $\frac{4}{5}$

56) The greatest common divisor of $\frac{60}{216}$ is:

A) 2
B) 12
C) 10
D) 5
E) 6

57) The LCD for $\frac{3}{10}$, $\frac{20}{25}$, and $\frac{18}{75}$ is:

A) 150
B) 750
C) 250
D) 5
E) 500

TBEXAM.COM

58) Jordan travelled $\frac{6}{7}$ of an estimated 1,800-mile trip. How many miles remain in the trip?

Note: Round to the nearest whole mile.

A) 154
B) 257
C) 291
D) 400
E) 350

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd Edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

59) The average cost of a ticket to the 2021 World Series Game 1 was $1200. The average cost in 2022 increased by $\frac{1}{5}$. What was the cost in 2022?

A) $1,000
B) $1,400
C) $240
D) $1,440
E) None of these

60) The average number of students for Professor Shannon's finance class was 20. During the fall semester there was an increase of $\frac{3}{5}$ in students. How many students are registered for his class in the fall?

A) 32
B) 24
C) 30
D) 26
E) None of these

61) $15\ \frac{3}{8}$ converted to an improper fraction is:

A) $\frac{120}{8}$
B) $\frac{123}{8}$
C) $\frac{123}{15}$
D) $\frac{123}{3}$
E) None of these

TBEXAM.COM

62) $\frac{49}{5}$ converted to a mixed number is:

A) $5\ \frac{4}{9}$
B) $9\ \frac{5}{4}$
C) $9\ \frac{4}{5}$
D) $4\ \frac{5}{9}$
E) None of these

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd Edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

63) Chanelle has $45\frac{1}{2}$ days of vacation per year. To date Chanelle has taken $6\frac{2}{3}$ days in February, $7\frac{5}{6}$ days in April, and $2\frac{3}{8}$ days in July. How much more vacation time is Chanelle entitled to for the year?

A) $29\frac{1}{4}$
B) $20\frac{7}{8}$
C) $28\frac{5}{8}$
D) $28\frac{1}{2}$
E) None of these

64) The greatest common divisor of $\frac{320}{480}$ is:

A) 2
B) 160
C) 32
D) 320
E) 10

65) The average cost of a small bottle of hand sanitizer in February 2020 was $2. In April 2020, due to COVID-19, the price increased by $3\frac{1}{2}$ times. What was the average cost in April 2020 for a small bottle of hand sanitizer?

A) $4
B) $5
C) $6
D) $7
E) None of these

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

66) Convert the following to higher terms.

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

67) Indicate type of fraction:

$3\frac{4}{7}$

68) Indicate type of fraction:

$\frac{6}{7}$

69) <p>Indicate type of fraction: $\frac{10}{9}$

TBEXAM.COM

70) <p>Convert to a mixed number: $\frac{89}{6}$

71) <p>Convert to an improper fraction: $14\frac{1}{8}$

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd Edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

72) Given $\frac{18}{66}$.

A. Find greatest common divisor (use the step approach or the observation method).
B. Convert to lowest terms.

73) Convert to higher terms: $\frac{8}{9} = \frac{96}{?}$

74) Add (reduce to lowest terms): $\frac{6}{15} + \frac{2}{15}$

TBEXAM.COM

75) Add (Reduce to lowest terms): $\frac{1}{7} + \frac{5}{14}$

76) Add (Reduce to lowest terms): $\frac{1}{12} + \frac{6}{24}$

77) Find LCD by using prime numbers (show work): $\frac{1}{8} + \frac{1}{4} + \frac{1}{3} + \frac{1}{6}$

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

78) Subtract (reduce to lowest terms if necessary): $13\frac{1}{7} - 5\frac{5}{21}$

79) Multiply (cancel as needed): $11\frac{3}{8} \times 6\frac{6}{7}$

80) At Louis's grocery, each case of Cheerios takes up $3\frac{1}{2}$ square feet. If Louis sets aside 6,930 square feet, how many cases of Cheerios can Louis store?

TBEXAM.COM

81) On a plane trip to Hawaii, the baggage weight projected was $2,182\frac{1}{4}$ pounds. The actual weight of all bags totalled $2,095\frac{2}{5}$ pounds. By how much was the projected weight overstated?

82) Acme Track Incorporated received 360 pairs of Nike running shoes. Each pair sells for $58. Acme found $\frac{1}{9}$ of the pairs to be defective and returned them. Assuming each pair cost Acme $26, what profit did Acme make assuming all non-defective sneakers were sold? (profit = sales − cost)

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd Edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

83) Last year's sales at Mimi's Cinema totalled $144,600. This year's sales should increase by $\frac{1}{3}$. How much should sales increase by, and what will sales be in the new year?

84) Indicate the type of fraction: $3\frac{3}{4}$

85) Indicate the type of fraction: $\frac{5}{6}$

86) Indicate type of fraction: $\frac{10}{9}$

TBEXAM.COM

87) Convert to a mixed number: $\frac{113}{6}$

88) Convert to an improper fraction: $9\frac{1}{8}$

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd Edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

89) Calculate greatest common divisor by step approach and reduce to lowest terms: $\frac{180}{440}$

90) Convert to higher terms: $\frac{7}{19} = \frac{?}{114}$

91) Find LCD by using prime numbers (show work): $\frac{2}{5} + \frac{3}{7} + \frac{2}{9}$

92) $\frac{5}{9} \div 5 =$

TBEXAM.COM

93) At Flynn Manufacturing, $30\frac{1}{4}$ rolls of tape are made each hour on a new high-speed machine. If the machine runs 12 hours, how many rolls of tape will be produced?

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd Edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

94) At Kentucky Fried Chicken, a survey showed $\frac{2}{3}$ of all people preferred skinless chicken over the regular chicken. If 2,400 people responded to the survey, how many preferred regular chicken?

95) At United Airlines, Terrell worked $8\frac{3}{4}$ hours on Monday, $4\frac{1}{2}$ hours on Tuesday, $9\frac{1}{4}$ hours on Wednesday, $10\frac{1}{2}$ hours on Thursday, and 7 hours on Friday. How many total hours did Pete work during the week?

96) The Boston Red Sox announced that the price of their $50 bleacher seats will increase next year by $\frac{1}{5}$. What will be the new ticket price?

TBEXAM.COM

97) Indicate the type of fraction: $3\frac{1}{8}$

98) Indicate the type of fraction: $\frac{6}{7}$

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

99) <p>Indicate the type of fraction: $\frac{12}{11}$

100) <p>Indicate the type of fraction: $\frac{5}{6}$

101) <p>Indicate the type of fraction: $\frac{15}{14}$

102) <p>Indicate the type of fraction: $12\frac{9}{10}$

TBEXAM.COM

103) <p>Convert to a mixed number: $\frac{88}{7}$

104) <p>Convert to a mixed number: $\frac{77}{3}$

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd Edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

105) <p>Convert to an improper fraction: $12\frac{1}{7}$

106) <p>Convert to an improper fraction: $11\frac{1}{9}$

107) <p>Given $\frac{12}{96}$

A. Find greatest common divisor (use the step approach or the observation method).
B. Convert to lowest terms.

TBEXAM.COM

108) $\frac{8}{9} = \frac{72}{?}$

109) $\frac{3}{4} = \frac{36}{?}$

110) <p>Add (reduce to lowest terms): $\frac{4}{15} + \frac{1}{15}$

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd Edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

111) <p>Add (reduce to lowest terms): $\frac{2}{7}+\frac{3}{14}$

112) <p>Add (reduce to lowest terms): $\frac{3}{7}+\frac{1}{21}$

113) <p>Subtract (reduce to lowest terms): $\frac{15}{16}-\frac{17}{20}$

114) <p>Find LCD by using prime numbers (show work): $\frac{1}{2}+\frac{1}{5}+\frac{1}{4}+\frac{1}{20}$

TBEXAM.COM

115) <p>Find LCD by using prime numbers (show work): $\frac{1}{3}+\frac{1}{4}+\frac{1}{6}+\frac{1}{8}$

116) <p>Subtract (reduce to lowest terms if necessary): $12\frac{1}{8}-9\frac{2}{3}$

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd Edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

117) Subtract (reduce to lowest terms if necessary): $14\frac{1}{4} - 3\frac{3}{4}$

118) Multiply (cancel as needed and express final answer as a mixed number): $12\frac{3}{8} \times 7\frac{1}{6}$

119) Kendall worked $2\frac{1}{2}$ times more on Tuesday than on Monday. On Monday, Kendall worked $5\frac{1}{3}$ hours. How many hours did Kendall work on Tuesday?

TBEXAM.COM

120) Alicia, Ronda, and Rho enter into a partnership. Alicia owns $\frac{1}{4}$ of the company, and Ronda owns $\frac{1}{8}$. Calculate the part that is owned by Rho.

121) Hilton Hotels announced a price decrease of $\frac{1}{10}$ from its $290 weekend package. What is the new weekend package rate?

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

122) Micah has already used $15\frac{3}{4}$ days of vacation, out of 30 allotted days for the year. How many days of vacation does Micah have left for the year?

123) Jean is taking a trip from Boston to New York, which normally takes $4\frac{1}{2}$ hours. Jeanine is $\frac{2}{3}$ of the way to New York. How much time is left for her trip?

124) The price of a new car increased by $\frac{2}{3}$ over the last five years. If the original price of the car was $27,000, what is the price today?

TBEXAM.COM

125) Mel Corporation produces $18\frac{1}{4}$ widgets each hour. If the machine runs 16 hours, how many widgets will be produced?

126) Cans of soup are stocked in 1,250 square feet of warehouse space. If each can requires $2\frac{1}{2}$ square feet of space, how many cans of soup can be stored in this space?

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

127) <p>Josiah bought a home that is $2\frac{1}{2}$ times as expensive as the home his parents bought. If his parents paid $80,000 for theirs, what is the cost of John's home?

128) <p style="margin-bottom: 20px;">In a recent taste testing survey, it was found that $\frac{5}{7}$ of all people surveyed preferred the taste of "A" chicken over "B" chicken. If 3,500 people were in the survey
How many favored "A"?
How many favored “B”?

129) <p>Convert to an improper fraction: $16\frac{3}{8}$

TBEXAM.COM

130) <p>Indicate the type of fraction: $12\frac{4}{7}$

131) <p>Complete: $10\frac{1}{8}$ divided by $\frac{3}{8}$

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd Edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

132) <p>At Truman Middle School, $\frac{2}{3}$ of the 7th graders surveyed preferred playing capture the flag at gym. If 600 7th graders responded to the survey, how many preferred playing something else?

133) <p>Reduce the following to the lowest terms: $\frac{162}{567}$

134) <p>Indicate the type of fraction: $\frac{11}{131}$

TBEXAM.COM

135) <p>Subtract (reduce to lowest terms): $\frac{7}{15} - \frac{2}{15}$

136) <p>Subtract (reduce to lowest terms): $\frac{15}{32} - \frac{3}{8}$

137) <p>Multiply (cancel as needed and express final answer as a mixed number): $\frac{1}{3} \times \frac{1}{9}$

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

138) <p>Multiply (cancel as needed and express final answer as a mixed number): $\frac{3}{8} \times \frac{5}{12}$

ESSAY. Write your answer in the space provided or on a separate sheet of paper.

139) Match the following terms with their definitions.

1. Fraction	Interchanging denominator and numerator
2. Reciprocal	Whole number and a proper fraction
3. Improper fraction	Smallest nonzero whole number all denominators divide into
4. Cancellation Method	No number (expect 1) divides evenly into both parts of fraction
5. Proper fraction	Numerator is less than denominator
6. Denominator	Equivalent to the original but with larger numbers
7. Mixed number	Expresses a part of a whole number
8. Prime number	Number divisible only by itself and 1
9. Greatest common divisor	Numerator is equal to or greater than the denominator
10. Least common denominator	Top of fraction
11. Numerator	Largest possible number that divides evenly into both parts of fraction
12. Lowest terms	Bottom part of fraction
13. Higher terms	A reducing method when multiplying or dividing fractions

TBEXAM.COM

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

Answer Key

Test name: Chapter 02

1) FALSE
A proper fraction is when the numerator is smaller than the denominator.

2) FALSE
The writing of a whole number and a proper fraction is a mixed number.

3) TRUE
Review your notes on terminology and vocabulary related to this material.

4) TRUE
Review your notes on terminology and vocabulary related to this material.

5) TRUE
Review your notes on terminology and vocabulary related to this material.

6) TRUE
Review your notes on terminology and vocabulary related to this material.

TBEXAM.COM

7) FALSE
The greatest common divisor cannot be zero.

8) TRUE
Review your notes on terminology and vocabulary related to this material.

9) TRUE
Review your notes on terminology and vocabulary related to this material.

10) FALSE
Fractions should always be reduced to their lowest terms.

11) FALSE
The least common multiple and the least common denominator are the same number.

12) TRUE
Review your notes on terminology and vocabulary related to this material.

13) FALSE

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

4 is a composite number.

14) TRUE
Prime numbers contain divisors of 1 and themselves only.

15) TRUE
Review your notes on terminology and vocabulary related to this material.

16) FALSE
The reciprocal is used in dividing fractions.

17) TRUE
Review your notes on terminology and vocabulary related to this material.

18) FALSE
Raising a fraction to higher terms does not change the value of the fraction.

19) TRUE
Review your notes on terminology and vocabulary related to this material.

20) TRUE
TBEXAM.COM
Review your notes on terminology and vocabulary related to this material.

21) TRUE
Review your notes on terminology and vocabulary related to this material.

22) TRUE
Review your notes on terminology and vocabulary related to this material.

23) B
Mixed numbers contain a whole number and a proper fraction.

24) B
$\frac{13}{2} = 6 \text{ R } 1$

25) D
The largest number that goes into both is 10.

26) C
The first step in the step approach is to divide the numerator into the denominator.

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

27) B
First take 200 divided by 50.

28) C
$\frac{4}{5} + \frac{6}{5} = \frac{10}{5} = \frac{2}{1} = 2$

29) D
Since 5 goes into 100, then 100 is the LCD.

30) D
24 has divisors of 1, 2, 3, 4, 6, 8, 12, and 24.

31) E
100 is the smallest number 20, 5, 50, and 4 all go into.

5	20	5	50	4
2	4	1	10	4
2	2	1	5	2
	1	1	5	1

So, the LCD = 5 x 2 x 2 x 1 x 1 x 5 x 1 = 100.

TBEXAM.COM

32) D
In the cancellation method, reduce the fraction by finding a number that goes into the numerator and the denominator.

33) D
In fraction division, the first step is to multiply by the reciprocal.

34) D
Review the steps of this approach.

35) D
Review steps for finding LCD using this method.

36) C
$7\frac{3}{4} \times \frac{1}{3} = \frac{31}{4} \times \frac{1}{3} = \frac{31}{12} = 2\frac{7}{12}$ hours

37) A
$1\frac{3}{4} + 8\frac{1}{2} + \frac{3}{4} = 1\frac{3}{4} + 8\frac{2}{4} + \frac{3}{4} = 9\frac{8}{4} = 9 + 2 = 11$ lbs

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

38) D

$8+4\frac{1}{4}+6\frac{1}{8}+7\frac{1}{4}+8\frac{1}{8}=8\frac{0}{8}+4\frac{2}{8}+6\frac{1}{8}+7\frac{2}{8}+8\frac{1}{8}=33\frac{6}{8}=33\frac{3}{4}$ hours

39) C

$\frac{25,500}{1}\div 4\frac{1}{4}=\frac{25,500}{1}\div\frac{17}{4}=\frac{25,500}{1}\times\frac{4}{17}=\frac{102,200}{17}=\frac{6000}{1}=6000$

40) D

$1-\frac{1}{4}-\frac{1}{8}=\frac{8}{8}-\frac{2}{8}-\frac{1}{8}=\frac{5}{8}=$ portion owned by Morah

41) E

$3\frac{3}{4}\times 15,000=\frac{15}{4}\times\frac{15,000}{1}=\frac{225,000}{4}=56,250$

42) B

Price Increase: $500\times\frac{1}{4}=\frac{500}{1}\times\frac{1}{4}=\frac{500}{4}=125$; New Price $\$125+\$500=\$625$

43) B

$1,500\times\frac{1}{5}=300$. Thus the new price is $1,500 − $300 = $1,200.

44) C

TBEXAM.COM

<p>Days taken so far: $4\frac{1}{2}+3\frac{1}{4}+4\frac{1}{8}=4\frac{4}{8}+3\frac{2}{8}+4\frac{1}{8}=11\frac{7}{8}$;

Days of vacation left:

$20\frac{1}{8}-11\frac{7}{8}=19^{\frac{(8+1)}{8}}$ (by borrowing) $-\ 11\frac{7}{8}=8\frac{2}{8}=8\frac{1}{4}$ days.

45) D

$12\frac{1}{4}\times 700=\frac{49}{4}\times 700=\frac{34,300}{4}=8,575$

46) A

$130\times\frac{2}{5}=\frac{260}{5}=\$52$

47) C

$60\times 2\frac{2}{5}=\frac{60}{1}\times\frac{12}{5}=\frac{720}{5}=\frac{144}{1}=\$144$

48) A

24 ÷ 6 = 4 times as much cake needed; $2\frac{1}{2}\times 4=\frac{5}{2}\times\frac{4}{1}=\frac{20}{2}=10$ lbs of apples.

49) D

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd edition Slater Test Bank

TBEXAM.COM

Math For Business and Finance Edition 3 by Slater

If $\frac{3}{5}$ chose Coke, then $1-\frac{3}{5}=\frac{5}{5}-\frac{3}{5}=\frac{2}{5}$ chose Pepsi Take $\frac{2}{5}\times 7,500=\frac{15,000}{5}=3,000$

50) E

$200,000\times\frac{1}{20}=10,000;\quad 200,000-10,000=\$\,190,000$

51) B

$\frac{280}{1}\times\frac{3}{4}=\frac{840}{4}=\$\,210$

52) E

$6\div 1\frac{1}{2}=\frac{6}{1}\times\frac{2}{3}=\frac{12}{3}=4$ sandwiches

53) B

$475\div 1\frac{3}{4}=\frac{475}{1}\div\frac{7}{4}=\frac{475}{1}\times\frac{4}{7}=\frac{1900}{7}=\$\,2714286=\$\,27143$

54) E

$8\frac{1}{2}\times\frac{1}{4}=\frac{17}{2}\times\frac{1}{4}=\frac{17}{8}=2\frac{1}{8}$ hours

55) A

$8\times 3=24$ servings. $\frac{16}{24}$ = fraction of servings eaten. $1-\frac{16}{24}$ = fraction of servings uneaten.

$\frac{24}{24}-\frac{16}{24}=\frac{8}{24}=\frac{1}{3}$

56) B

The product of prime numbers that multiple to get 60 = 2 × 3 × 2 × 5; The product of prime numbers that multiple to get 216 = 2 × 2 × 2 × 3 × 3 × 3. Find the product of prime numbers in common to get the Greatest Common Divisor = 2 × 2 × 3 = 12.

57) A

The smallest number that 10, 25, and 75 all go into is 150.

5	10	25	75
5	2	5	15
	2	1	3

So, the LCD = 5 x 5 x 2 x 1 x 3 = 150.

58) B

Fraction remaining $=1-\frac{6}{7}=\frac{7}{7}-\frac{6}{7}=\frac{1}{7}$; Miles remaining $=\frac{1}{7}\times\frac{1800}{1}=\frac{1800}{7}=257.14$ miles.

59) D

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd Edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

$1,200 \times \frac{1}{5} = 240.\ \ 240 + 1,200 = \$1,440$

60) A

$\frac{3}{5} \times \frac{20}{1} = \frac{60}{5} = 12$ new students. $12 + 20 = 32$ students.

61) B

New Numerator: 15 × 8 + 3 = 123; Denominator stays the same.

62) C

$\frac{49}{5} = 9\ \ R\ \ 4$; Whole Number = 9; New Numerator = 4; Denominator stays the same.

63) C

Days taken so far: $6\frac{2}{3} + 7\frac{5}{6} + 2\frac{3}{8} = 6\frac{16}{24} + 7\frac{20}{24} + 2\frac{9}{24} = 15\frac{45}{24} = 15 + 1\frac{21}{24} = 16\frac{7}{8}$;

Days of vacation left:

$45\frac{1}{2} - 16\frac{7}{8} = 45\frac{4}{8} - 16\frac{7}{8} = 44\frac{(8+4)}{8}\ \ (by\ \ borrowing)\ \ - 16\frac{7}{8} = 44\frac{12}{8} - 16\frac{7}{8} = 28\frac{5}{8}$ days

64) B

The product of prime numbers that multiple to get 320 = 10 × 32 = 2 × 5 × 4 × 8 = 2 × 5 × 2 × 2 × 2 × 2 × 2;

TBEXAM.COM

The product of prime numbers that multiple to get 480 = 10 × 48 = 2 × 5 × 4 × 12 = 2 × 5 × 2 × 2 × 2 × 2 × 3.

Find the product of prime numbers in common to get the Greatest Common Divisor = 2 × 2 × 2 × 2 × 2 × 5 = 160.

65) D

$3\frac{1}{2} \times 2 = \frac{7}{2} \times \frac{2}{1} = \$7$

66) Short Answer

40

$\frac{200}{100} = 2 \times 20 = 40$

67) Short Answer

Mixed Number. This fraction has both a whole number and a fraction. The fraction cannot be reduced further.

68) Short Answer

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

Proper fraction. This fraction does not have a whole number and has a numerator that is smaller than the denominator and cannot be reduced further.

69) Short Answer
Improper fraction. This fraction does not have a whole number but does have a numerator that is larger than the denominator.

70) Short Answer
$14\frac{5}{6}$. 6 goes into 89 fourteen times with 5 left over.</p>

71) Short Answer
$\frac{113}{8}$. 8 times 14 plus 1 equals 113. Write over the common denominator of 8.</p>

72) Short Answer

A. The largest number that goes into both 18 and 66 is 6.
B. Using the step approach, 18 goes evenly into 66 three times to equal 54, leaving a remainder of 12. 12 goes into 18 one time, leaving a remainder of 6. 6 goes into 12 two times, leaving a remainder of 0. So the last divisor, 6, is the greatest common divisor. Divide %media:formula40.mml% which equals %media:formula42.mml% reduced to lowest terms.

TBEXAM.COM

73) Short Answer
108. Divide 96 by 8 to get 12. Multiply 9 by 12 to get 108, which is the answer.

74) Short Answer
$\frac{8}{15}$. Since there are common denominators, you only need to add 6 and 2 to get 8. $\frac{8}{15}$ cannot be reduced further.</p>

75) Short Answer
$\frac{1}{7}+\frac{5}{14}=\frac{2}{14}+\frac{5}{14}=\frac{7}{14}=\frac{1}{2}$

76) Short Answer
$\frac{1}{12}+\frac{6}{24}=\frac{2}{24}+\frac{6}{24}=\frac{8}{24}=\frac{1}{3}$

77) Short Answer

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd Edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

List the denominators in a row, sorted left to right, then break each number down to its prime values by dividing by 2, carrying down any numbers that cannot divide evenly. Once you have used 2 for dividing you will have to use the next prime number which is 3. Multiply the prime numbers (2 × 2 × 2 × 3) times the denominators.

2	8	4	3	6
2	4	2	3	3
2	2	2	3	3
3	1	1	3	3
	1	1	1	1

So, the LCD = 2 × 2 × 2 × 3 × 1 × 1 × 1 × 1 = 24.

78) Short Answer

Using the Improper Fractions method. Convert both to improper fractions. Then subtract. Then find an LCD and make equivalent fractions. Then subtract. Then convert back to mixed numbers. $13\frac{1}{7} = \frac{92}{7}; \quad 5\frac{5}{21} = \frac{110}{21};$

Using the Borrowing Method: $13\frac{3}{21} - 5\frac{5}{21}$. Since 3 is smaller than 5, borrow $\frac{21}{21}$ (which is 1) from the 13, making it a 12. Thus, the problem becomes $12\left(\frac{3}{21} + \frac{21}{21}\right) - 5\frac{5}{21}$ which is $12\frac{24}{21} - 5\frac{5}{21} = 7\frac{19}{21}$.

TBEXAM.COM

79) Short Answer

First convert both to improper fractions. $11\frac{3}{8} \times 6\frac{6}{7} = \frac{91}{8} \times \frac{48}{7} = \frac{546}{7} = \frac{78}{1} = 78$.

80) Short Answer

$6,930 \div 3\frac{1}{2} = \frac{6,930}{1} \div \frac{7}{2} = \frac{6,930}{1} \times \frac{2}{7} = \frac{13,860}{7} = 1,980$ cases

81) Short Answer

$2,182\frac{1}{4} - 2,095\frac{2}{5} = 2,182\frac{5}{20} - 2,095\frac{2}{5} = 2,181\frac{(5+20)}{20} - 2,095\frac{8}{20} = 2,181\frac{25}{20} - 2,095\frac{8}{20} = 86\frac{17}{20}$ pounds

82) Short Answer

Profit for each pair of shoes = 58 − 26 = 32. Number of defective shoes: $\frac{1}{9} \times \frac{360}{1} = \frac{360}{9} = 40$.
Pairs sold: 360 − 40 = 320. Total Profit: 320 × 32 = $10,240.

83) Short Answer

Amount sales should increase by: $\frac{1}{3} \times \$144,600 = \$48,200$
Sales in the new year: $144,600 + $48,200 = $192,800.

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd Edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

84) Short Answer
Mixed number. This fraction has both a whole number and a fraction.

85) Short Answer
Proper fraction. This fraction does not have a whole number and has a numerator that is smaller than the denominator and cannot be reduced further.

86) Short Answer
Improper fraction. This fraction does not have a whole number but does have a numerator that is larger than the denominator and can be reduced further by dividing the numerator by the denominator equaling 1 and $\frac{1}{9}$. All improper fractions can be reduced to a whole number or a mixed number unless otherwise stated.

87) Short Answer
$18\frac{5}{6}$. 6 divides into 113 eighteen times with a remainder of 5.

88) Short Answer
$\frac{73}{8}$. 9 times 8 plus 1 equals 73. Show the 73 as the new denominator over the 8.

89) Short Answer

TBEXAM.COM

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

Use the step approach to determine that 20 is the greatest common divisor. Divide both the numerator and the denominator by 20 to show the fraction in lowest terms.

$20\frac{9}{22}$

```
        2
    ------
180 )440
     360
    ----
      80
    ----
       2
    ----
80  )180
     160
    ----
      20
    ----
       4
    ----
20  )80
      80
    ----
       0
    ----
```

$\frac{180 \div 20}{440 \div 20} = \frac{9}{22}$

TBEXAM.COM

90) Short Answer
Divide 114 by 19 to get 6. Multiply the numerator of 7 by 6 to get 42.

91) Short Answer
Since all the denominators are prime numbers, the product of them is the Least Common Denominator. 5 × 7 × 9 = 315.

92) Short Answer
$\frac{5}{9} \div \frac{5}{1} = \frac{5}{9} \times \frac{1}{5} = \frac{1}{9}$

93) Short Answer

Convert the mixed fraction into an improper fraction and multiply: $12\frac{1}{4} \times \frac{12}{1}$ Cancel the 12 and 4 to make a 3 and 1, respectively. The problem becomes: $\frac{12}{1} \times \frac{3}{1} = \frac{363}{1} = 363$.

94) Short Answer

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

800. $\frac{2}{3}$ preferred skinless, leaving $\frac{1}{3}$ to prefer regular. Multiply 2,400 by $\frac{1}{3}$, which is the same as dividing 2,400 by 3, to get 800 as the answer.

95) Short Answer
Get an LCD for all fractions. Add the whole numbers together and numerators together.
$8\frac{3}{4} + 4\frac{1}{2} + 9\frac{1}{4} + 10\frac{1}{2} + 7 = 8\frac{3}{4} + 4\frac{2}{4} + 9\frac{1}{4} + 10\frac{2}{4} + 7\frac{0}{4} = 38\frac{8}{4} = 38 + 2 = 40$ hours

96) Short Answer
Stating that the price will increase by $\frac{1}{5}$ means that the next year's price will be $1\frac{1}{5}$ of this year's price. Change this to an improper fraction. Multiply $50 by $\frac{6}{5}$, and use cancelling to a final answer of $60.

97) Short Answer
Mixed fraction. This fraction has both a whole number and a fraction.

98) Short Answer
Proper fraction. This fraction does not have a whole number and has a numerator that is smaller than the denominator and cannot be reduced further.

TBEXAM.COM

99) Short Answer
Improper fraction. This fraction does not have a whole number but does have a numerator that is larger than the denominator and can be reduced further by dividing the numerator by the denominator equalling 1 and $\frac{1}{11}$. All improper fractions can be reduced to a whole number or a mixed fraction unless otherwise stated.

100) Short Answer
Proper fraction. This fraction does not have a whole number and has a numerator that is smaller than the denominator and cannot be reduced further.

101) Short Answer
Improper fraction. This fraction does not have a whole number but does have a numerator that is larger than the denominator and can be reduced further by dividing the numerator by the denominator equalling 1 and $\frac{1}{14}$. All improper fractions can be reduced to a whole number or a mixed fraction unless otherwise stated.

102) Short Answer

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

Mixed fraction. This fraction has both a whole number and a fraction. The fraction cannot be reduced further.

103) Short Answer

$12\frac{4}{7}$. 7 goes into 88 twelve times with 4 left over.</p>

104) Short Answer

$25\frac{2}{3}$. 25 goes into 77 three times with 2 left over.</p>

105) Short Answer

$\frac{85}{7}$. 12 times 7 plus 1 equals 85. Show 85 over 7 as the final answer.</p>

106) Short Answer

$\frac{100}{9}$. 9 times 11 plus 1 equals 100. Show 100 over 9 as the final answer and leave as an improper fraction.</p>

107) Short Answer

Using the step approach, 12 is the greatest common divisor.

Dividing $\frac{12}{96}$ by 12 equals $\frac{1}{8}$, which cannot be reduced further.</p>

TBEXAM.COM

108) Short Answer

$\frac{72}{81}$. Divide the numerator 72 by the other numerator, 8; this equals 9. Multiply the denominator 9 by 9 to get the missing denominator of 81.</p>

109) Short Answer

$\frac{36}{48}$. Divide the numerator 36 by the other numerator, 3, to get 12. Multiply the denominator 4 by 12 to get the missing denominator 48.</p>

110) Short Answer

$\frac{4}{15} + \frac{1}{15} = \frac{5}{15} = \frac{1}{3}$

111) Short Answer

$\frac{(2\times2)}{(7\times2)} + \frac{3}{14} = \frac{4}{14} + \frac{3}{14} = \frac{(4+3)}{14} = \frac{(7\div7)}{(14\div7)} = \frac{1}{2}$

112) Short Answer

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

$$\frac{(3\times3)}{(7\times3)}+\frac{1}{21}=\frac{9}{21}+\frac{1}{21}=\frac{10}{21}$$

113) Short Answer

First, get the LCD.

4	16	20
	4	5

The LCD is 4 × 4 × 5 = 80.

Next, make equivalent fractions using the LCD and then subtract.

$$\frac{(15\times5)}{(16\times5)}-\frac{(17\times4)}{(20\times4)}=\frac{75}{80}-\frac{68}{80}=\frac{(75-68)}{80}=\frac{7}{80}$$

114) Short Answer

Remember to list the denominator in a sorted row before dividing each number by 2 and carrying down those which have remainders.

2	2	5	4	20
2	1	5	2	10
5	1	5	1	5
	1	1	1	1

2 × 2 × 5 = 20

TBEXAM.COM

115) Short Answer

24. Remember to list the denominator in a sorted row before dividing each number by 2 and carrying down those which have remainders.

2	3	4	6	8
2	3	2	3	4
3	3	1	3	2
	1	1	1	2

2 × 2 × 3 × 2 = 24.

116) Short Answer

Find a LCD of 24. Write equivalent fractions. You will get: $12\frac{3}{24}-9\frac{16}{24}$. Since 3 is less than 16, borrow 1, written as $\frac{24}{24}$, from the 12. Add $\frac{24}{24}$ to the fraction $\frac{3}{24}$. You will get: $11\frac{27}{24}-9\frac{16}{24}$. Subtract the whole numbers and the fractions. You will get: $2\frac{11}{24}$.

117) Short Answer

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

Before you can subtract you have to make $\frac{1}{4}$ larger than $\frac{3}{4}$, so move one unit [$\frac{4}{4}$] from the whole number to the fraction in the minuend [the larger fraction on top] to get $13\frac{5}{4}$. Now subtract the $3\frac{3}{4}$ to get $10\frac{2}{4}$, which can be reduced to $10\frac{1}{2}$.

118) Short Answer

$12\frac{3}{8} \times 7\frac{1}{6} = \frac{99}{8} \times \frac{43}{6} = \frac{425}{48}$. Now convert to a mixed number by taking numerator into denominator = $88\frac{11}{16}$.

119) Short Answer

$2\frac{1}{2} \times 5\frac{1}{3} = \frac{5}{2} \times \frac{16}{3} = \frac{80}{6} = 13\frac{2}{6} = 13\frac{1}{3}$

120) Short Answer

Convert $\frac{1}{4}$ to eighths. Add the fractions together to get $\frac{3}{8}$ and subtract that from 1 to get the remaining partnership of $\frac{5}{8}$.

121) Short Answer

261. Since you are trying to find the new rate after the decrease, multiply $290 by $\frac{9}{10}$.

122) Short Answer

$30 \quad -15\frac{3}{4}$ = (using the borrowing method) $29\frac{4}{4} - 15\frac{3}{4} = 14\frac{1}{4}$

123) Short Answer

Since you are trying to find the amount of time left to travel, multiply $4\frac{1}{2}$ by $\frac{1}{3}$ to get the answer. Convert $4\frac{1}{2}$ to the improper fraction $\frac{9}{2}$ first. $\frac{9}{2} \times \frac{1}{3} = 1\frac{3}{6} = 1\frac{1}{2}$ hours

124) Short Answer

The increase in price: $\frac{27{,}000}{1} \times \frac{2}{3} = \frac{54{,}000}{3} = \frac{18{,}000}{1} = \$\,18{,}000$.
The new price: the original price + the increase = 18,000 + 27,000 = $45,000

125) Short Answer

Convert the $18\frac{1}{4}$ into the improper fraction $\frac{73}{4}$ before multiplying by 16 to get a final answer of 292.

126) Short Answer

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

Convert the $2\frac{1}{2}$ into the improper fraction $\frac{5}{2}$ before dividing the total square footage 1,250 by $\frac{5}{2}$. This is the same as multiplying $\frac{2}{5}$.

$$\frac{1,250}{1} \div 2\frac{1}{2} = \frac{1,250}{1} \div \frac{5}{2} = \frac{1,250}{1} \times \frac{2}{5} = \frac{2,500}{5} = 500 \text{ cans}$$

127) Short Answer

$200,000. Convert the $2\frac{1}{2}$ into the improper fraction $\frac{5}{2}$ and then multiply by the parents' home price of $80,000.

128) Short Answer

Multiply the number of people surveyed by $\frac{5}{7}$ and then by $\frac{2}{7}$ to get 2,500 and 1,000, respectively. This is a way to check the answer as the two answers should add back up to 3,500.

129) Short Answer

$$16 \times 8 = 128; \; 128 + 3 = \frac{131}{8}$$

130) Short Answer

Mixed fraction. The mixed fraction contains a whole number and a proper fraction.

TBEXAM.COM

131) Short Answer

$$10\frac{1}{8} = \frac{81}{8} \div \frac{3}{8} = \frac{81}{8} \times \frac{8}{3} = \frac{81}{3} = 27$$

132) Short Answer

200. Multiply the 600 respondents times $\frac{1}{3}$ (i.e. divide 600 by 3).

133) Short Answer

Write the numerator and denominator as the product of prime numbers and then use cancelling to simplify.

$$\frac{162}{567} = \frac{(2 \times 81)}{(9 \times 63)} = \frac{(2 \times 3 \times 3 \times 3 \times 3)}{(3 \times 3 \times 3 \times 3 \times 7)} = \frac{2}{7}$$

134) Short Answer

Proper fraction. This fraction does not have a whole number and has a numerator that is smaller than the denominator and cannot be reduced further.

135) Short Answer

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd Edition Slater Test Bank

Math For Business and Finance Edition 3 by Slater

$$\frac{7}{15} - \frac{2}{15} = \frac{(7-2)}{15} = \frac{5}{15} = \frac{1}{3}$$

136) Short Answer

$$\frac{15}{32} - \frac{(3\times4)}{(8\times4)} = \frac{15}{32} - \frac{12}{32} = \frac{(15-32)}{32} = \frac{3}{32}$$

137) Short Answer

$$\frac{1}{3} \times \frac{1}{9} = \frac{(1\times1)}{(3\times9)} = \frac{1}{27}$$

138) Short Answer

$$\frac{3}{8} \times \frac{5}{12} = \frac{15}{96} \div \frac{3}{3} = \frac{5}{32}$$

139) Essay

1. Fraction	Expresses a part of a whole number
2. Reciprocal	Interchanging denominator and numerator
3. Improper fraction	Numerator is equal to or greater than the denominator
4. Cancellation Method	A reducing method when multiplying or dividing fractions
5. Proper fraction	Numerator is less than denominator
6. Denominator	Bottom part of fraction
7. Mixed number	Whole number and a proper fraction
8. Prime number	Number divisible only by itself and 1
9. Greatest common divisor	Largest possible number that divides evenly into both parts of fraction
10. Least common denominator	Smallest nonzero whole number all denominators divide into
11. Numerator	Top of fraction
12. Lowest terms	No number (expect 1) divides evenly into both parts of fraction
13. Higher terms	Equivalent to the original but with larger numbers

TBEXAM.COM

TBEXAM.COM

TBEXAM.COM - THE WORLD'S LARGEST TEST BANK AND SOLUTIONS DATABASE WITH UNBEATABLE RATES
Math For Business and Finance 3rd edition Slater Test Bank