TEST BANK

Mathematics for Business

NINTH EDITION

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

1) The stock market gained 12 points on Monday. It had closed the previous Friday at 2592 points. How many points did the market close at on Monday? 1) _____
A) 2579 points B) 2580 points C) 2606 points D) 2604 points
Answer: D

2) During one year 22 new employees started working at Macintosh Manufacturing Company. At the beginning of the year there are 263 employees in the factory and 40 employees in the office. What is the total number of employees at the end of the year? 2) _____
A) 62 employees B) 325 employees C) 303 employees D) 281 employees
Answer: B

3) Jose Ramirez, a salesperson for a chemical company, travelled 1415 miles on Monday, 443 miles on Tuesday, and 1935 miles on Thursday. Find the total number of miles he travelled during these three days. 3) _____
A) 3693 miles B) 3793 miles C) 3350 miles D) 2907 miles
Answer: B

4) Ultimate Lighting Company, based in the United States, has 12 employees in Belgium, 470 employees in Hong Kong, 67 employees in Argentina, and 42 employees in Australia. What is the total number of employees working outside of the United States? 4) _____
A) 591 employees B) 592 employees C) 579 employees D) 581 employees
Answer: A

5) Sales at Andrea's Formal Wear Shop were $868 this week. This is $106 less than the sales last week. What were last week's sales? 5) _____
A) $ 963 B) $ 762 C) $ 985 D) $ 974
Answer: D

6) Lesley purchased office supplies for her business. She spent $ 13 on paper, $ 5 on pens, $ 7 on folders, and $ 38 on computer disks. What was the total amount that she spent? 6) _____
A) $ 68 B) $ 63 C) $ 58 D) $ 59
Answer: B

7) Corn production increased 4,000 pounds over last year on Steve's farm. Last year the farm produced 37,000 pounds. How much corn did Steve's farm produce this year? 7) _____
A) 49,000 pounds B) 34,000 pounds C) 41,000 pounds D) 33,000 pounds
Answer: C

8) Ray's gross pay is $ 327.38 a week. $ 46 is withheld for federal income tax, $ 24.59 for FICA tax, and $ 11.46 for other deductions. How much of his pay is left? 8) _____
A) $ 82.05 B) $ 245.33 C) $ 409.43 D) $ 235.33
Answer: B

9) Carla's gross pay is $ 163 a week. $ 13 was withheld for federal income tax, $ 12 for FICA tax, and $ 6 for other deductions. How much of her pay is left? 9) _____
A) $ 142 B) $ 31 C) $ 132 D) $ 194
Answer: C

10) If the temperature in the city has risen 3° each day, how much has it risen in 6 days? 10) _____

A) 28° B) 9° C) 18° D) 21°
Answer: C

11) Each year, 387 people move from Babbittown. How many people have moved from the town in 9 years? 11) _____
A) 3383 people B) 3870 people C) 3483 people D) 3493 people
Answer: C

12) Brandy's Gift House pays employees for each gift they gift wrap. Assume they are paid as follows: 12) _____

1–10 gifts	$4.00 each
11–15 gifts	$5.00 each
16 or more gifts	$6.00 each

If Lee wraps 15 gifts, what are her gross earnings?
A) $ 65.00 B) $ 75.00 C) $ 60.00 D) $ 70.00
Answer: A

13) A group of 7 people wants to buy a boat. The boat costs $ 420. If they all pay the same amount, how much is each person's share? 13) _____
A) $ 60 B) $ 50 C) $ 70 D) $ 52
Answer: A

14) The city bridge has 5 lanes, all carrying equal numbers of cars. If 170 cars drive across the bridge, how many cars cross in each lane? 14) _____
A) 34 cars B) 35 cars C) 39 cars D) 175 cars
Answer: A

15) Richard's team wants to plant 752 trees in 8 months. How many trees per month do they need to plant? 15) _____
A) 188 trees B) 94 trees C) 102 trees D) 104 trees
Answer: B

16) Alicia sold $ 4840 of paintings at the art fair. If she sold 8 paintings total, and they all sold for the same amount, what was the price of one painting? 16) _____
A) $ 643 B) $ 605 C) $ 505 D) $ 625
Answer: B

17) Each gallon of shingle stain covers 120 square feet. How many gallons are needed to cover 960 square feet? 17) _____
A) 8 gallons B) 7 gallons C) 9 gallons D) 6 gallons
Answer: A

18) One cook can make enough food for 350 people a night. How many cooks are needed to feed 3150 people a night? 18) _____
A) 7 cooks B) 9 cooks C) 10 cooks D) 8 cooks
Answer: B

19) David's company has to ship 2750 boxes of sprinklers. If a truck can hold 550 boxes, how many truckloads does he need to ship all the boxes? 19) _____
A) 6 truckloads B) 4 truckloads C) 3 truckloads D) 5 truckloads
Answer: D

20) Gina is buying a used car that has an advertised price of $ 3500. She is buying the car on credit and must make a down payment of $ 700 and 36 monthly payments of $ 108. What is the total cost of the car? 20) _____

A) $ 4588 B) $ 3988 C) $ 3888 D) $ 4578

Answer: A

21) A television offer advertised a set of knives for $ 15 down and $ 8 a month for 9 months. What is the total cost of the knives? 21) _____

A) $ 87 B) $ 77 C) $ 72 D) $ 97

Answer: A

22) A travel agent arranged a payment plan for a client. It required a down payment of $ 300 and 15 monthly payments of $ 432. What was the total cost of the plan? 22) _____

A) $ 6780 B) $ 6480 C) $ 6580 D) $ 6680

Answer: A

23) A salesperson earned $ 275 a week plus a bonus of $ 25 for each service contract sold. What is the weekly pay if 7 service contracts were sold? 23) _____

A) $ 275 B) $ 550 C) $ 450 D) $ 175

Answer: C

24) Jack borrowed $ 270 from his brother. Jack's brother wants 6 monthly payments of $ 75 to repay the loan. How much extra is Jack's brother charging for the loan? 24) _____

A) $ 450 B) $ 180 C) $ 550 D) $ 105

Answer: B

25) A country club wants to provide seating for 242 people in its banquet room. If the club has 14 tables that seat 10 people, how many tables does it need that seat 6 people? 25) _____

A) 18 tables B) 16 tables C) 17 tables D) 19 tables

Answer: C

Write each mixed number as an improper fraction.

26) $8\frac{2}{4}$ 26) _____

A) $\frac{35}{4}$ B) 5 C) $\frac{17}{2}$ D) $\frac{5}{2}$

Answer: C

27) $28\frac{5}{8}$ 27) _____

A) $\frac{33}{8}$ B) $\frac{115}{4}$ C) $\frac{37}{2}$ D) $\frac{229}{8}$

Answer: D

28) $3\frac{1}{15}$ 28) _____

A) $\frac{47}{15}$ B) $\frac{46}{15}$ C) $\frac{6}{5}$ D) $\frac{4}{15}$

Answer: B

29) $9\frac{10}{15}$ 29) _____

A) $\frac{146}{15}$ B) $\frac{19}{15}$ C) $\frac{29}{3}$ D) 7

Answer: C

30) $19\frac{11}{13}$ 30) _____

A) $\frac{30}{13}$ B) $\frac{222}{13}$ C) $\frac{259}{13}$ D) $\frac{258}{13}$

Answer: D

31) $14\frac{7}{11}$ 31) _____

A) 196 B) $\frac{98}{11}$ C) $\frac{161}{11}$ D) 28

Answer: C

Write the fraction in lowest terms.

32) $\frac{4}{8}$ 32) _____

A) 2 B) $\frac{1}{2}$ C) $\frac{4}{8}$ D) $\frac{7}{3}$

Answer: B

33) $\frac{6}{9}$ 33) _____

A) $\frac{8}{5}$ B) $\frac{7}{10}$ C) $\frac{3}{2}$ D) $\frac{2}{3}$

Answer: D

34) $\frac{66}{78}$ 34) _____

A) $\frac{77}{65}$ B) $\frac{13}{11}$ C) $\frac{11}{13}$ D) $\frac{66}{78}$

Answer: C

35) $\frac{84}{192}$ 35) _____

A) $\frac{85}{193}$ B) $\frac{7}{16}$ C) $\frac{191}{83}$ D) $\frac{16}{7}$

Answer: B

36) $\frac{124}{228}$ 36) _____

A) $\frac{57}{31}$ B) $\frac{125}{229}$ C) $\frac{227}{123}$ D) $\frac{31}{57}$

Answer: D

37)

$\frac{84}{940}$ 37) ___ ___

A) $\frac{85}{941}$ B) $\frac{939}{83}$ C) $\frac{235}{21}$ D) $\frac{21}{235}$

Answer: D

38) $\frac{150}{210}$ 38) _____

A) $\frac{5}{7}$ B) $\frac{209}{149}$ C) $\frac{151}{211}$ D) $\frac{7}{5}$

Answer: A

Convert the improper fraction to a mixed number. Write the answer in lowest terms.

39) $\frac{15}{3}$ 39) _____

A) $5\frac{2}{3}$ B) 4 C) 5 D) 6

Answer: C

40) $\frac{40}{3}$ 40) _____

A) 14 B) $13\frac{1}{3}$ C) $14\frac{1}{3}$ D) $12\frac{1}{3}$

Answer: B

41) $\frac{67}{25}$ 41) _____

A) $1\frac{17}{25}$ B) $2\frac{17}{25}$ C) $3\frac{17}{25}$ D) $2\frac{19}{25}$

Answer: B

42) $\frac{88}{13}$ 42) _____

A) $6\frac{10}{13}$ B) $7\frac{10}{13}$ C) $6\frac{12}{13}$ D) $5\frac{10}{13}$

Answer: A

43) $\frac{68}{10}$ 43) _____

A) $5\frac{4}{5}$ B) $7\frac{4}{5}$ C) 7 D) $6\frac{4}{5}$

Answer: D

44) $\frac{97}{7}$ 44) _____

A) $14\frac{6}{7}$ B) $14\frac{1}{7}$ C) $12\frac{6}{7}$ D) $13\frac{6}{7}$

Answer: D

Add. Write the answer in lowest terms.

45) $\frac{2}{5} + \frac{1}{15}$ 45) _____

A) $\frac{7}{15}$ B) $\frac{12}{25}$ C) $\frac{3}{20}$ D) $\frac{1}{5}$

Answer: A

46) $\frac{1}{2} + \frac{3}{8}$ 46) _____

A) $\frac{2}{5}$ B) $\frac{7}{8}$ C) $\frac{15}{16}$ D) $\frac{1}{2}$

Answer: B

47) $\frac{7}{12} + \frac{4}{5}$ 47) _____

A) $\frac{83}{17}$ B) $\frac{11}{17}$ C) $1\frac{23}{60}$ D) $\frac{11}{60}$

Answer: C

48) $\frac{2}{9} + \frac{3}{4}$ 48) _____

A) $\frac{5}{13}$ B) $\frac{5}{36}$ C) $\frac{35}{36}$ D) $2\frac{9}{13}$

Answer: C

49) $\frac{12}{13} + \frac{4}{9}$ 49) _____

A) $\frac{16}{117}$ B) $7\frac{3}{11}$ C) $\frac{8}{11}$ D) $1\frac{43}{117}$

Answer: D

50) $\frac{5}{6} + \frac{8}{9} + \frac{1}{5}$ 50) _____

A) $1\frac{83}{90}$ B) $\frac{7}{135}$ C) $25\frac{19}{20}$ D) $\frac{7}{10}$

Answer: A

51) $\frac{4}{5} + \frac{11}{40} + 1$ 51) _____

A) $2\frac{3}{40}$ B) $276\frac{2}{3}$ C) $\frac{41}{10000}$ D) $\frac{41}{75}$

Answer: A

52) $\frac{5}{3} + \frac{22}{21} + \frac{11}{3}$ 52) _____

A) $6\frac{8}{21}$ B) $31\frac{5}{14}$ C) $\frac{23}{630}$ D) $1\frac{9}{14}$

Answer: A

53) $7\frac{1}{4} + 6\frac{3}{8}$ 53) _____

A) $13\frac{5}{8}$ B) $12\frac{5}{8}$ C) $14\frac{5}{8}$ D) $7\frac{5}{8}$

Answer: A

54) $6\frac{1}{7} + 14\frac{1}{5}$ 54) _____

A) $21\frac{12}{35}$ B) $20\frac{12}{35}$ C) $6\frac{12}{35}$ D) $19\frac{12}{35}$

Answer: B

55) $1\frac{8}{9} + 1\frac{1}{9}$ 55) _____

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

Answer: C

56) $4\frac{6}{7} + 6\frac{7}{9}$ 56) _____

A) $1\frac{32}{63}$ B) $5\frac{15}{16}$ C) $11\frac{40}{63}$ D) $45\frac{13}{16}$

Answer: C

57) $15\frac{1}{3} + 10\frac{1}{2}$

57) _____

A) $88\frac{4}{7}$ B) $12\frac{4}{7}$ C) $25\frac{5}{6}$ D) $3\frac{2}{3}$

Answer: C

58) 58) _____

$$\begin{array}{r} 20\frac{4}{9} \\ 17\frac{8}{9} \\ +\ 4\frac{4}{9} \\ \hline \end{array}$$

A) 42 B) $43\frac{7}{9}$ C) $42\frac{7}{9}$ D) $41\frac{7}{9}$

Answer: C

59) 59) _____

$$\begin{array}{r} 10\frac{1}{2} \\ 17\frac{2}{3} \\ +\ \frac{2}{3} \\ \hline \end{array}$$

A) $27\frac{5}{6}$ B) $29\frac{5}{6}$ C) $28\frac{5}{6}$ D) $28\frac{1}{2}$

Answer: C

Subtract. Write the answer in lowest terms.

60) $\frac{3}{4} - \frac{1}{5}$ 60) _____

A) $\frac{20}{11}$ B) $\frac{11}{20}$ C) $\frac{8}{7}$ D) $\frac{2}{15}$

Answer: B

61) $\frac{3}{4} - \frac{1}{2}$ 61) _____

A) $\frac{1}{16}$ B) $\frac{3}{2}$ C) $\frac{1}{4}$ D) 4

Answer: C

62) $\frac{2}{3} - \frac{1}{9}$ 62) _____

A) 10 B) $\frac{9}{5}$ C) $\frac{1}{54}$ D) $\frac{5}{9}$

Answer: D

63) $\frac{16}{25} - \frac{10}{17}$ 63) _____

A) $\frac{22}{25}$ B) $\frac{425}{22}$ C) $\frac{22}{425}$ D) $\frac{6}{425}$

Answer: C

64) $\frac{1}{7} - \frac{1}{10}$ 64) _____

A) $\frac{1}{525}$ B) $\frac{9}{7}$ C) $\frac{70}{3}$ D) $\frac{3}{70}$

Answer: D

65) 65) _____

$$\begin{array}{r} 2\frac{5}{7} \\ -\ 2\frac{3}{5} \\ \hline \end{array}$$

A) $\frac{4}{35}$ B) $8\frac{3}{4}$ C) $\frac{4}{7}$ D) $\frac{6}{35}$

Answer: A

66) 66) _____

$$\begin{array}{r} 14\frac{2}{7} \\ -\ 5\frac{4}{7} \\ \hline \end{array}$$

A) $19\frac{5}{7}$ B) $18\frac{5}{7}$ C) $8\frac{5}{7}$ D) $8\frac{4}{7}$

Answer: C

67) 67) _____

$$\begin{array}{r} 13\frac{1}{6} \\ -\ 6\frac{1}{2} \\ \hline \end{array}$$

A) $53\frac{1}{3}$ B) $\frac{3}{20}$ C) $\frac{9}{16}$ D) $6\frac{2}{3}$

Answer: D

68)

68) $5\frac{56}{63}$
$- 5\frac{16}{18}$

A) $\frac{8}{9}$ B) $\frac{5}{7}$ C) $\frac{20}{9}$ D) 0

Answer: D

69) 13
$- 6\frac{5}{7}$

A) $6\frac{2}{7}$ B) $7\frac{5}{7}$ C) $12\frac{2}{7}$ D) $7\frac{2}{7}$

Answer: A

Solve the problem.

70) Ellen is knitting a scarf with one $4\frac{1}{2}$-inch blue stripe, one $2\frac{4}{5}$-inch green stripe, and one $7\frac{1}{2}$-inch white stripe. How wide is the scarf?

A) $14\frac{4}{5}$ in. B) $\frac{5}{74}$ in. C) $\frac{11}{47}$ in. D) $4\frac{3}{11}$ in.

Answer: A

71) While shopping for a party, June bought $4\frac{2}{3}$ pounds of hamburger, $2\frac{5}{6}$ pounds of chicken, and $2\frac{1}{2}$ pounds of ham. How much meat did she buy?

A) $\frac{1}{3}$ lb B) $\frac{1}{10}$ lb C) 3 lb D) 10 lb

Answer: D

72) A laminated lab bench has $1\frac{1}{7}$ inches of plywood, $1\frac{1}{3}$ inches of pressed board, and $\frac{7}{13}$ inch of formica. What is the thickness of the lab bench?

A) $\frac{23}{26}$ in. B) $\frac{273}{823}$ in. C) $3\frac{4}{273}$ in. D) $1\frac{3}{23}$ in.

Answer: C

73) To obtain a certain shade of paint, Peter mixed $1\frac{2}{7}$ gallons of white paint with $2\frac{3}{4}$ gallons of brown and $2\frac{1}{4}$ gallons of blue paint. How much paint did he have?

A) $\frac{15}{29}$ gal B) $1\frac{14}{15}$ gal C) $6\frac{2}{7}$ gal D) $\frac{7}{44}$ gal

Answer: C

74) Jeff studied math for $3\frac{4}{5}$ hours, history for 2 hours, and physics for $6\frac{1}{2}$ hours. How long did he study? 74) _____

A) $3\frac{1}{5}$ hr B) $12\frac{3}{10}$ hr C) $\frac{5}{16}$ hr D) $\frac{10}{123}$ hr

Answer: B

75) Peter must practice the piano $9\frac{1}{2}$ hours per week. He has already practiced $2\frac{3}{5}$ hours. How many more hours does he need to practice? 75) _____

A) $\frac{3}{5}$ hr B) $\frac{6}{7}$ hr C) $6\frac{9}{10}$ hr D) $9\frac{6}{7}$ hr

Answer: C

76) A nail $6\frac{2}{3}$ inches long is driven into a board $3\frac{3}{5}$ inches thick. How much of the nail protrudes from the other side of the board? 76) _____

A) $3\frac{1}{15}$ in. B) $5\frac{3}{4}$ in. C) $\frac{1}{4}$ in. D) $\frac{2}{15}$ in.

Answer: A

77) Jake wants to work $3\frac{1}{6}$ hours at his part-time job this week. He has already worked $2\frac{3}{5}$ hours. How many more hours does he need to work? 77) _____

A) $\frac{17}{30}$ hr B) $1\frac{6}{11}$ hr C) $\frac{6}{11}$ hr D) $\frac{1}{5}$ hr

Answer: A

78) There were $4\frac{2}{5}$ yards of fabric on a bolt. After a customer bought $2\frac{1}{4}$ yards of fabric, how many yards were left? 78) _____

A) $\frac{13}{20}$ yd B) $4\frac{7}{9}$ yd C) $2\frac{3}{20}$ yd D) $1\frac{4}{9}$ yd

Answer: C

79) A tank contains $2\frac{3}{5}$ gallons of water. Its capacity is $5\frac{1}{3}$ gallons. How much more water is needed to fill it? 79) _____

A) $\frac{3}{8}$ gal B) $\frac{1}{5}$ gal C) $5\frac{1}{8}$ gal D) $2\frac{11}{15}$ gal

Answer: D

Perform the operation and reduce to lowest terms.

80)

80) $\frac{2}{3} \times \frac{1}{7}$ ___

A) $\frac{7}{16}$ B) $\frac{3}{14}$ C) $\frac{2}{21}$ D) $\frac{1}{9}$

Answer: C

81) $\frac{1}{3} \times \frac{1}{4}$ 81) _____

A) $\frac{1}{24}$ B) $\frac{1}{12}$ C) $\frac{5}{17}$ D) $\frac{3}{4}$

Answer: B

82) $\frac{1}{2} \times \frac{10}{21}$ 82) _____

A) $\frac{5}{21}$ B) $\frac{20}{21}$ C) $\frac{1}{42}$ D) $\frac{13}{27}$

Answer: A

83) $5\frac{2}{9} \times 9$ 83) _____

A) $14\frac{2}{9}$ B) 45 C) 405 D) 47

Answer: D

84) $3\frac{3}{4} \times 6\frac{2}{5}$ 84) _____

A) 23 B) 24 C) $18\frac{6}{20}$ D) 25

Answer: B

85) $4\frac{1}{6} \times 2\frac{2}{5}$ 85) _____

A) 15 B) 10 C) 11 D) $8\frac{1}{6}$

Answer: B

86) $6 \times 2\frac{1}{14}$ 86) _____

A) $8\frac{3}{7}$ B) $12\frac{5}{7}$ C) $12\frac{3}{7}$ D) $12\frac{1}{14}$

Answer: C

87) $\frac{4}{7} \times \frac{2}{3} \times \frac{1}{3}$ 87) _____

A) $\frac{8}{21}$ B) $\frac{4}{189}$ C) $\frac{8}{63}$ D) $\frac{11}{19}$

Answer: C

88) $2 \times 5\frac{3}{7} \times \frac{1}{5}$ 88) _____

A) $2\frac{6}{35}$ B) $2\frac{1}{7}$ C) $1\frac{6}{35}$ D) $6\frac{2}{35}$

Answer: A

89) $4\frac{1}{5} \times 5 \times \frac{3}{5}$ 89) _____

A) $9\frac{3}{5}$ B) $20\frac{3}{5}$ C) $12\frac{3}{5}$ D) $20\frac{1}{3}$

Answer: C

90) $\frac{2}{3} \div \frac{1}{2}$ 90) _____

A) $\frac{1}{3}$ B) $\frac{2}{3}$ C) $\frac{7}{11}$ D) $1\frac{1}{3}$

Answer: D

91) $\frac{3}{10} \div \frac{11}{19}$ 91) _____

A) $\frac{57}{110}$ B) $\frac{3}{110}$ C) $\frac{14}{29}$ D) $\frac{33}{190}$

Answer: A

92) $\frac{13}{20} \div 1\frac{5}{7}$ 92) _____

A) $\frac{13}{240}$ B) $\frac{91}{240}$ C) $1\frac{4}{35}$ D) $\frac{25}{27}$

Answer: B

93) $1\frac{1}{15} \div 1\frac{2}{3}$ 93) _____

A) $\frac{16}{25}$ B) $\frac{8}{75}$ C) $1\frac{7}{9}$ D) $1\frac{5}{21}$

Answer: A

94) $3 \div 3\frac{1}{2}$ 94) _____

A) $3\frac{1}{4}$ B) $\frac{3}{14}$ C) $10\frac{1}{2}$ D) $\frac{6}{7}$

Answer: D

95) $3\frac{1}{4} \div 3\frac{5}{7}$ 95) _____

A) $\frac{1}{24}$ B) $\frac{7}{8}$ C) $3\frac{17}{29}$ D) $12\frac{1}{14}$

Answer: B

96) $1\frac{4}{7} \div 11$ 96) _____

A) $\frac{1}{7}$ B) $\frac{10}{77}$ C) $\frac{12}{77}$ D) $\frac{11}{76}$

Answer: A

97) $3\frac{1}{8} \div \frac{1}{8}$ 97) _____

A) 26 B) $23\frac{1}{2}$ C) 24 D) 25

Answer: D

98) $2\frac{5}{7} \div 2\frac{1}{2}$ 98) _____

A) $1\frac{4}{35}$ B) $1\frac{3}{34}$ C) $1\frac{3}{35}$ D) $2\frac{3}{35}$

Answer: C

99) $10\frac{7}{9} \div 6\frac{1}{6}$ 99) _____

A) $2\frac{83}{111}$ B) $1\frac{83}{111}$ C) $1\frac{83}{110}$ D) $1\frac{28}{37}$

Answer: B

Find the time-and-a-half pay rate for the regular hourly pay rate.

100) $ 20 100) _____

A) $ 35.00 B) $ 30.00 C) $ 40.00 D) $ 28.00

Answer: B

101) $ 21 101) _____

A) $ 29.40 B) $ 31.50 C) $ 42.00 D) $ 36.75

Answer: B

102) $ 17.50 102) _____

A) $ 35.00 B) $ 30.62 C) $ 24.50 D) $ 26.25

Answer: D

103) $ 10.50 103) _____

A) $ 21.00 B) $ 14.70 C) $ 18.38 D) $ 15.75

Answer: D

104) $ 200.00 104) _____

A) $ 400.00 B) $ 280.00 C) $ 300.00 D) $ 350.00

Answer: C

Write as a fraction in lowest terms.

105) 0.04 105) _____

A) $\frac{1}{4}$ B) $\frac{1}{125}$ C) $\frac{1}{25}$ D) $\frac{2}{25}$

Answer: C

106) 0.144 106) _____

A) $\frac{18}{125}$ B) $\frac{9}{125}$ C) $\frac{36}{125}$ D) $\frac{1}{144}$

Answer: A

107) 0.025 107) _____

A) $\frac{1}{10}$ B) $\frac{1}{40}$ C) $\frac{1}{80}$ D) $\frac{1}{20}$

Answer: B

108) 0.0045 108) _____

A) $\frac{9}{4000}$ B) $\frac{9}{2000}$ C) $\frac{9}{200}$ D) $\frac{9}{1000}$

Answer: B

Round the number to the nearest thousandth, nearest hundredth, and nearest tenth. Remember to round from the original number.

109) 9 7. 7 0 2 109) _____

A) 9 7. 7 0, 9 7. 7, 9 7 B) 9 7. 7 0 3, 97.71, 98

C) 97.71, 97.8, 98 D) 9 7. 7 0 2, 9 7. 7 0, 9 7. 7

Answer: D

110) 0. 6 0 6 7 110) _____

A) 0.607, 0.61, 0. 6 B) 0. 6 0 6, 0. 6 0, 0. 6

C) 0.607, 0. 6 0, 0.7 D) 0. 6 0 6 7, 0. 6 0 6, 0. 6 0

Answer: A

111) 235. 9 2 5 111) _____

A) 235. 9 2 5, 235. 9 2, 236 B) 235. 9 2 5, 235.93, 235

C) 235. 9 2 5, 235.93, 235. 9 D) 235.93, 235. 9, 235

Answer: C

112) 2. 8 8 1 112) _____

A) 2. 8 8 1, 2. 8 8, 2.9 B) 2. 8 8 1, 2.90, 3 C) 2. 8 8 2, 2. 8 8, 2. 8 D) 2. 8 8, 2. 8, 2

Answer: A

Convert the fraction to a decimal. If a division does not come out evenly, round the answer to the nearest thousandth.

113) $\frac{1}{9}$ 113) _____

A) 0.111 B) 9 C) 0.011 D) 1.111

Answer: A

114) $\frac{8}{9}$ 114) _____

A) 0.089 B) 0.889 C) 8.889 D) 1.125

Answer: B

115) $\frac{167}{269}$ 115) _____

A) 6.208 B) 0.621 C) 0.062 D) 1.611

Answer: B

Solve the problem.

116) A small company sells stock for $5\frac{1}{4}$ dollars per share. How much will 32 shares cost? 116) _____

A) $6\frac{2}{21}$ dollars B) 20 dollars C) 22 dollars D) 168 dollars

Answer: D

117) How many pieces of string $3\frac{1}{2}$ inches long can be cut from a 60 inch piece of string? Round answer to the nearest piece of string. 117) _____

A) 47 pieces B) 210 pieces C) 17 pieces D) None of these

Answer: C

118) Tim needs to apply $2\frac{3}{4}$ gallons of herbicide per acre of soybeans. How many gallons of herbicide are needed for 244 acres? 118) _____

A) $122\frac{3}{4}$ gallons B) $88\frac{8}{11}$ gallons C) 125 gallons D) 671 gallons

Answer: D

119) On a certain map, 1 inch equals 40 miles. How many miles are in $4\frac{1}{4}$ inches? 119) _____

A) $40\frac{1}{4}$ miles B) 170 miles C) $9\frac{7}{17}$ miles D) 41 miles

Answer: B

120) A technician has readings that take $1\frac{1}{3}$ minutes each to read and record. How many readings can be completed in 120 minutes? 120) _____

A) 41 readings B) 160 readings C) 13 readings D) 90 readings

Answer: D

121) The floor of a rectangular room is to be tiled with $\frac{1}{3}$ foot square tiles along a $9\frac{7}{8}$ foot wall. How many tiles will be needed along the wall? 121) _____

A) $29\frac{5}{8}$ tiles B) 34 tiles C) $27\frac{7}{8}$ tiles D) $3\frac{7}{24}$ tiles

Answer: A

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question. Provide an appropriate response.

122) In your own words, explain what a fraction means. 122) _____

Answer:

It is a division. $\frac{a}{b}$ = a ÷ b. Divide the whole into b equal parts, and take a of them.

123) Expl ain the

meaning of $\frac{5}{6}$. Use a pizza in your explanation. 123) ____

Answer: Cut a pizza into 6 parts and serve 5 of them.

124) Explain, in your own words, what is the least common multiple of two numbers. 124) _____

Answer: Answers will vary. The LCM of two whole numbers is the smallest whole number divisible by both those numbers.

125) Explain why, when rewriting a fraction with a different denominator, the fraction can be multiplied by another fraction whose numerator and denominator are the same. 125) _____

Answer: Answers will vary. When the numerator and denominator are the same, the fraction is equal to 1. Any number multiplied by 1 is the number itself.

126) Explain what it means to rename a fraction. 126) _____

Answer: It means to write an equivalent fraction. It can be done by reducing or expanding a fraction.

127) What is wrong if two fractions are added and the result is expressed as a whole number and an improper fraction? 127) _____

Answer: Answers will vary. The result is hard to understand. The result should be given as a mixed number.

128) Tell what you would do if you added the fraction parts of mixed numbers and the result was greater than 1. 128) _____

Answer: Answers will vary. You would carry from the fraction column to the whole number.

129) Is this statement correct or incorrect? 129) _____

Explain.

$$4\frac{1}{3} = 4 \cdot \frac{1}{3}$$

Answer: Incorrect. A mixed number is an addition, not a multiplication.

130) Explain in your own words the steps you would take to divide fractions. 130) _____

Answer: Change any mixed numbers to improper fractions. Multiply the dividend by the reciprocal of the divisor. Reduce the fractions if possible. Multiply across.

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

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

104) C
105) C
106) A
107) B
108) B
109) D
110) A
111) C
112) A
113) A
114) B
115) B
116) D
117) C
118) D
119) B
120) D
121) A
122) $\frac{a}{b}$ It is a division. = a ÷ b. Divide the whole into b equal parts, and take a of them.
123) Cut a pizza into 6 parts and serve 5 of them.
124) Answers will vary. The LCM of two whole numbers is the smallest whole number divisible by both those numbers.
125) Answers will vary. When the numerator and denominator are the same, the fraction is equal to 1. Any number multiplied by 1 is the number itself.
126) It means to write an equivalent fraction. It can be done by reducing or expanding a fraction.
127) Answers will vary. The result is hard to understand. The result should be given as a mixed number.
128) Answers will vary. You would carry from the fraction column to the whole number.
129) Incorrect. A mixed number is an addition, not a multiplication.
130) Change any mixed numbers to improper fractions. Multiply the dividend by the reciprocal of the divisor. Reduce the fractions if possible. Multiply across.