**Intro to Financial Math - 2016 SLC**

1)  Utilities, employee wages, and taxes are examples of

A) nonrecurring expenses

B) variable expenses

C) operating expenses

D) flexible expenses

2)  The financial statement that includes revenue and expenses is the

A) income statement

B) net worth statement

C) owner’s equity statement

D) balance sheet

3)  The amount the business pays for the merchandise it sells is

A) net profit

B) cost of goods sold

C) gross profit

D) net gain

4)  Net sales – Cost of goods sold =

A) net profit

B) net worth

C) net loss

D) gross profit

5)  Amounts that a person owes financial institutions and department stores are

A) income

B) liabilities

C) capital

D) assets

6)  Items owned by a person or business are

A) assets

B) net worth

C) liabilities

D) capital

7)  Business transactions are entered in a(n)

A) net worth state

B) balance sheet

C) journal

D) income statement

8)  Calculate current ratio by

A) subtracting current liabilities from current assets

B) multiplying the amount of current assets by the amount of current liabilities

C) adding current assets and current liabilities

D) dividing the amount of current assets by the amount of current liabilities

9)  Assets that can be quickly converted to cash are

A) long-term

B) current

C) mutual funds

D) real estate

10)  How quickly assets can be turned to cash is called

A) fluid

B) volatility

C) liquidity

D) mobility

11)  Dividing the amount of the current assets by the amount of current liabilities is the formula for

A) net worth

B) current ratio

C) credit worthiness

D) common cents

12)  Checks are \_\_\_\_\_\_ used to withdraw money from an account.

A) credit cards

B) debit cards

C) deposits

D) drafts

13)  A check that has cleared/been processed by the bank is a(n)

A) canceled check

B) debit

C) overdraft

D) float

14)  When a person writes a check, realizing that they have insufficient funds and hoping they can make a deposit before the check is cashed is called

A) covering a check

B) clearing a check

C) borrowing

D) floating a check

15)  Money put into a checking account is called a

A) net gain

B) credit

C) liability

D) demand deposit

16)  The person authorized to write checks is the

A) maker

B) payee

C) creditor

D) endorser

17)  A check written by the bank on its own funds is a

A) bank draft

B) cashier’s check

C) certified check

D) money order

18)  A personal check that the bank guarantees to be good is the

A) bank draft

B) cashier check

C) certified check

D) money order

19)  The \_\_\_\_ can be purchased at a bank, service stations, and supermarkets to individuals who do **not** wish to use cash and do **not** have a checking account.

A) credit card

B) money order

C) debit card

D) bank draft

20)  “For deposit only” is an example of a

A) restrictive endorsement

B) blank endorsement

C) special endorsement

D) secondary endorsement

21)  The process of matching your checkbook register with the bank statement is called

A) transfer

B) confirmation

C) reconciliation

D) evaluation

22)  Normally checks will **not** be honored after \_\_\_\_ months.

A) 12

B) 3

C) 2

D) 6

23)  Which of the following factors will **not** impact the cost of your auto insurance?

A) driving violations

B) use of the car

C) color of the car

D) age of the driver

24)  All of the following are examples of employee benefits **except**

A) transportation

B) workers compensation

C) health insurance

D) retirement matching plans

25)  The equation for simple interest is

A) principal – interest

B) principal x rate x time

C) principal + interest

D) principal x rate

26)  Stop payment order is

A) a safeguard for a checking account

B) a request that the bank not cash or process a specific check

C) another name for a joint account

D) the amount you want to keep out of a deposit

27)  The \_\_\_\_ on the check allows you to write the purpose of the check.

A) payee

B) ABA number

C) routing number

D) memo

28)  NSF is printed on a check that

A) has bounced

B) has been paid

C) has been processed

D) has cleared the ban

29)  The \_\_\_\_\_\_ lists payments and deposits processed by the bank during a month and the balance of your checking account according to the bank.

A) income statement

B) bank statement

C) balance sheet

D) net worth statement

30)  The person authorized to write checks on an account is the

A) router

B) payee

C) endorser

D) maker

31)  The checking account number

A) is the ABA number

B) appears in bank coding at the bottom of the check

C) is not printed on the check

D) is the check number

32)  The \_\_\_\_\_ appears in fraction form in the upper right corner of each check.

A) checking account number

B) routing number

C) ABA number

D) check number

33)  When a bank covers a check written for an amount greater than the balance in the account, they charge the customer a(n) \_\_\_\_\_ fee.

A) service

B) interest

C) account

D) overdraft

34)  Assets – Liabilities =

A) current ratio

B) net income

C) net loss

D) net worth

35)  One mile equals

A) 1,609.34 meters

B) 500 meters

C) 1,000 meters

D) 50 meters

36)  70 miles per hour equals

A) 35 kilometers (km) per hour

B) 112.65 kilometers (km) per hour

C) 65 kilometers (km) per hour

D) 210 kilometers (km) per hour

37)  You want to purchase new carpet for your living room that measures 20 feet by 10 feet. The carpet costs 4.50 per square foot. How much will your living room carpet cost?

A) $900

B) $1,200

C) $600

D) $1,000

38)  A section of land is 560 acres. You have inherited three sections of land and charge a tenant $325 per acre each year for rent. How much doe the tenant owe you for rent each year?

A) $546,000

B) $446,000

C) $346,000

D) $246,000

39)  Which of the following is not an example of a rational number?

A) 10

B) 6

C) 5

D) square root of 2

40)  A current U.S. dollar is worth 0.77952 Euros. You are visiting France and purchase a shirt for 31.1808 Euros. What is the dollar cost of the shirt?

A) $40

B) $80

C) $60

D) $50

41)  You receive a trade discount of 15% for making a large order. Your order totals $1350.00. How much will you pay?

A) $1,350.00

B) $1,472.00

C) $1,200.00

D) $1,147.50

42)  One gallon of paint that sells for $42.00 covers 6200 square feet of wall. Your new house has 100,000 square feet of wall space needing paint. What will your paint cost for this project? (Assuming you can only buy gallon sized paint cans)

A) $672

B) $714

C) $677.46

D) $756

43)  A recipe calls for two pints of cream. How many cups does this equal?

A) 6

B) 8

C) 3

D) 4

44)  How many ounces are in a two-liter bottle?

A) 40.814

B) 52.814

C) 38.814

D) 33.814

45)  You have just purchased 101.442 ounces of soda. How many liters have you purchased?

A) 4

B) 3.5

C) 3

D) 2

46)  You empty your piggy bank. You have 33 quarters, 6 half dollars, 82 dimes, 67 nickels, and 55 pennies. How much money do you have?

A) $19.35

B) $25.35

C) $23.35

D) $21.35

47)  A three-liter bottle is half full. How many ounces are left?

A) 45.873

B) 48.873

C) 52.873

D) 50.721

48)  You pay your credit card bill. This transaction requires you to

A) debit the Liability (credit card bill) and credit the Asset (cash)

B) debit Cash and the Credit Card Bill

C) credit Cash and the Credit Card Bill

D) write off the debt only

49)  A person or institution that holds or generally manages the property is the

A) trustee

B) tenant

C) heir

D) executor

50)  The person who rents an apartment is the

A) trustee

B) tenant

C) manager

D) lessor

51)  Credit that has interest accumulating on interest has

A) compounded interest

B) simple interest

C) revolving credit

D) usury rates

52)  Purchase of big items like homes and automobiles are usually finance with

A) nonsecured loans

B) installment loans

C) retail credit

D) line of credit

53)  You purchase a new automobile for $38,000 with an interest rate of 2.9% for 6 years. Using simple interest what will your monthly payments equal?

A) $599.61

B) $576.00

C) $720.00

D) $800.61

54)  A credit card that has the total charges due each month is called a(n)

A) open charge

B) installment charge

C) revolving charge

D) line of credit

55)  Which of the following is not one of the C’s of credit?

A) collateral

B) charisma

C) capital

D) character

56)  An item that sells for $20.00 costs $21.40 with sales tax. What is the sales tax rate?

A) 5%

B) 8%

C) 7%

D) 6%

57)  There is an 80% chance of rain. This means that there is

A) a 4 out of 5 chance for rain

B) a 5 out of 5 chance for rain

C) a 2 out of 5 chance for rain

D) a 3 out of 5 chance for rain

58)  The numerical descriptive measure of a population is called

A) the mode

B) the mean

C) the median

D) the parameter

59)  What is the median for this set of numbers (55, 48, 42, 40, 38, 36, 34)?

A) 41

B) 40

C) 42

D) 38

60)  The mode in this set is (10, 9, 9, 9, 8, 8, 7, 6, 4, 3, 3, 1)

A) 3

B) 9

C) 8

D) 10

61)  What is the mean for this set of numbers (55, 48, 42, 38, 36, 34)?

A) 42.16

B) 41.16

C) 40.16

D) 39.6

62)  The fastest growing city in a state had a population increase of 12% and the city with the slowest growth in the same state grew 5%. What is the range for community growth in this state?

A) 7%

B) 5-12%

C) 8.5%

D) 5-10%

63)  Your favorite football team has scored 42, 24, 35, and 28 points in its first four games. What is the average scoring capability of your team?

A) 42

B) 40

C) 32

D) 29

64)  You work at a store where you have to count out change. A customer makes a $5 purchase and sales tax is 6%. The customer gives you a $10 bill. Which one of the following is the correct amount of change?

A) $5.50

B) $6.00

C) $5.70

D) $4.70

65)  Your new automobile gets an average of 38 miles per gallon. You plan a round trip to your favorite football game. Distance for one way is 980 miles and gas costs $3.00 per gallon. How much should you expect to pay for gas?

A) $300.74

B) $154.74

C) $204.74

D) $180.74

66)  The answer in a division problem is the

A) difference

B) quotient

C) dividend

D) sum

67)  Five batteries cost $6.98. What is the cost per battery to the nearest one hundredth?

A) $1.39

B) $1.38

C) $1.41

D) $1.40

68)  A can of soda has 12.5 ounces. How many ounces are in a twelve pack of this soda?

A) 125

B) 150

C) 130

D) 100

69)  Convert 8.35 into a mixed fraction.

A) 8 ¾

B) 167/20

C) 8 ½

D) 8 7/20

70)  During your first year of college you take five classes (3 credits each). You earned A’s (4.0) for two classes, B’s (3.0) for two classes, and a D(1.0) for one class. What is your GPA?

A) 2.5

B) 2.8

C) 3.0

D) 3.2

71)  A new automobile that cost $42,000 last month is now clearance priced at $38,000. What is the discount % on the price of the new automobile?

A) 11%

B) 10%

C) 9.5%

D) 8.5%

72)  ½ + 3/8 =

A) 5/8

B) 7/8

C) ¾

D) 6/8

73)  You have been asked to add 3.5, 4.7, 6.8 and 9.4 and then convert the answer in fraction form.

A) 23 3/5

B) 24 2/5

C) 25 2/5

D) 24 4/5

74)  Your thermos holds 32.6 ounces and a cup of coffee is 6.2 ounces. How many cups of coffee are in the thermos?

A) 8

B) 4

C) 7

D) 5.26

75)  7/8 converted to a decimal equals

A) .875

B) .685

C) .76

D) .925

76)  Solve: ½-1/8 =

A) 2/3

B) 5/8

C) 3/8

D) ¾

77)  9/6 is another number for

A) 1 1/3

B) 1 1/8

C) 1 ½

D) 1 ¼

78)  75/100 is reduced to

A) ½

B) ¾

C) 150/200

D) ¼

79)  Convert 5/8 into a decimal number.

A) .525

B) .725

C) .625

D) .75

80)  Your stock shows +3/4. What has happened for each share of stock?

A) gone up $7.50

B) ending price of $.75

C) gone up $.75

D) gone up $75

81)  Jack is the manager of a large restaurant. His base salary is $72,000 per year. The amount of pay that goes into a retirement account is 8% which equals $\_\_\_\_\_\_\_\_\_\_

A) 5,760

B) 6,200

C) 6,100

D) 4,800

82)  Sales tax in your city is 7.65%. You go on a shopping spree at your favorite clothing store and purchase $568.00 (before sales tax) of the latest styles. How much sales tax will be added to this transaction?

A) $23.45

B) $53.45

C) $33.45

D) $43.45

83)  Bill signed a promissory note on May 1, 2014 for $2,225 payable in 90 days. The interest rate on the note is 8%. One what day is the note due?

A) August 30, 2014

B) June 30, 2014

C) May 1, 2015

D) July 30, 2014

84)  Matt is paid a monthly salary of $1,000 plus 8% commission on all sales, and a 5% commission on all sales in excess of $20,000. Last month, Matt’s sales totaled $30,000. What will his total month wage equal?

A) $4,900

B) $2,900

C) $1,900

D) $3,900

85)  A store has a 40% mark-up rate on the cost of merchandise that it sells. A store purchases a flat-screen television for $300. What is the selling price for the television?

A) $420

B) $500

C) $380

D) $400

86)  The mark-up for a bicycle is 40% of the price offered to the public. If a bicycle sells for $240, how much did the store pay for the bicycle?

A) $160.00

B) $200.00

C) $180.00

D) $144.00

87)  A new television costs $425.50 with sales tax. Customers can take 24 months to pay the price calculated using simple interest of 6%. What will be the monthly payments?

A) $19.86

B) $30.00

C) $18.95

D) $22.00

88)  Your store manager says to mark down all summer apparel by 75%. What will shorts that originally cost $42.00 now cost?

A) $10.50

B) $20.50

C) $30.00

D) $25.00

89)  You own 500 acres of land. Current land prices are $2,000 per acre and the property tax rate is 4.5%. What is your property tax bill?

A) $4,500

B) $54,000.00

C) $45,000

D) $450.00

90)  Your corporate business credit card allows you to give a 20% tip for meals. Your lunch in NYC costs $38.50. What is the maximum tip you can leave for this tab?

A) $12.00

B) $10.70

C) $7.70

D) $8.70

91)  A city with a population of 300,000 has 152,000 women and 148,000 men. What is the percentage for each group?

A) 49% women/51% men

B) 52% women/48% men

C) 53% women/47% men

D) 51% women/49% men

92)  A census indicates that your city has grown from 300,000 to 368,000 in ten years. What is your average growth rate (%) each year?

A) 6%

B) 2.26%

C) 22.6%

D) 10%

93)  6 million people voted in yesterday’s election. The winning candidate received 51% of the vote. How many votes did the losing candidate receive?

A) 2,500,000

B) 3,140,000

C) 2,940,000

D) 3,040,000

94)  A grocery store has weekly sales of $2.4 million. The sales on Friday and Saturday totaled $920,000. What percentage of sales took place on those two days?

A) 42

B) 48

C) 38

D) 39

E) 51

95)  A student has a 40% attendance record for class that meets 5 times per week for 36 weeks. How many days will they attend class during the 36 weeks?

A) 120

B) 84

C) 102

D) 72

96)  Your syllabus states that test scores make up 60% of your grade, projects make up 30% of your grade and attendance makes up 10% of your grade. Your test average is 82%, project grade is 92%, and attendance grade is 70%. What is your grade point average for this class in percent?

A) 87.8%

B) 95%

C) 83.8%

D) 93%

97)  Sales for a Chick-fil-a restaurant are $6.5 million. The operator calculates that they will earn 15% after all expenses. How much will the operator earn?

A) $925,000

B) $875,000

C) $795,000

D) $975,000

98)  Logan earns $10 per hour and works 40 hours per week. He earns 6% commission on all sales. There are four weeks in a month and Logan sold $40,000 of merchandise during the month. How much did Logan earn for the month?

A) $3,800

B) $3,600

C) $4,000

D) $2,400

99)  One state produces 32% of all the corn in a country. This year farmers harvest 80 billion bushels of corn. How much corn did the state that produces 32% produce?

A) 32 billion

B) 30 billion

C) 25.6 billion

D) 28.6 billion

100)  A new outlet mall that has 102 store plans to increase its size by 15 percent next year. How many new stores are planned for next year?

A) 12

B) 20

C) 22

D) 15

2016 SLC Intro to Financial Math

|  |  |
| --- | --- |
| 1) | C |
| 2) | A |
| 3) | B |
| 4) | D |
| 5) | B |
| 6) | A |
| 7) | C |
| 8) | D |
| 9) | B |
| 10) | C |
| 11) | B |
| 12) | D |
| 13) | A |
| 14) | D |
| 15) | D |
| 16) | A |
| 17) | B |
| 18) | C |
| 19) | B |
| 20) | A |
| 21) | C |
| 22) | D |
| 23) | C |
| 24) | B |
| 25) | B |
| 26) | B |
| 27) | D |
| 28) | A |
| 29) | B |
| 30) | D |
| 31) | B |
| 32) | C |
| 33) | D |
| 34) | D |
| 35) | A |
| 36) | B |
| 37) | A |
| 38) | A |
| 39) | D |
| 40) | A |
| 41) | D |
| 42) | B |
| 43) | D |
| 44) | D |
| 45) | C |
| 46) | C |
| 47) | D |
| 48) | A |
| 49) | A |
| 50) | B |
| 51) | A |
| 52) | B |
| 53) | B |
| 54) | A |
| 55) | B |
| 56) | C |
| 57) | A |
| 58) | D |
| 59) | B |
| 60) | B |
| 61) | A |
| 62) | B |
| 63) | C |
| 64) | C |
| 65) | B |
| 66) | B |
| 67) | D |
| 68) | B |
| 69) | D |
| 70) | C |
| 71) | C |
| 72) | B |
| 73) | B |
| 74) | D |
| 75) | A |
| 76) | C |
| 77) | C |
| 78) | B |
| 79) | C |
| 80) | C |
| 81) | A |
| 82) | D |
| 83) | D |
| 84) | D |
| 85) | A |
| 86) | D |
| 87) | A |
| 88) | A |
| 89) | C |
| 90) | C |
| 91) | D |
| 92) | B |
| 93) | C |
| 94) | C |
| 95) | D |
| 96) | C |
| 97) | D |
| 98) | C |
| 99) | C |
| 100) | D |