

## FINANCIAL MATH

- 1) Zachary purchased a set of dishes at the department store at a discount for \$600 at 12 percent annual interest. He made a single, in-full payment when the statement came in at the end of the month. What is the total cost of the dish set if there is no grace period for repayment?
  - A) \$660
  - B) \$600
  - C) \$606
  - D) \$650
  
- 2) Aidan purchased a house for \$375,000. He put \$80,000 down on the house. Total finance charges over the course of the 15-year loan equal \$283,435. What was Aidan's monthly payment?
  - A) \$3,421.94
  - B) \$3,856.23
  - C) \$4,123.62
  - D) \$3,213.53
  
- 3) Determine the mode of the following: 9, 3, 1, 8, 3, 6
  - A) 5
  - B) 8
  - C) 3
  - D) 4.5
  
- 4) \_\_\_ is the process of arriving at conclusions based on quantitative data.
  - A) Statistical inference
  - B) Qualitative analysis
  - C) Statistical analysis
  - D) Inscriptive statistics
  
- 5) The \_\_\_ is a document that states the details of a loan.
  - A) deed
  - B) mortgage
  - C) promissory note
  - D) agent

- 6) Emily borrowed \$1,200 from a friend at 8% simple interest (calculated yearly). Calculate how much will she pay in interest at the end of 3 years if she does **not** make any payments.
- A) \$275.00
  - B) \$308.14
  - C) \$288.00
  - D) \$311.65
- 7) A term used when a vendor offers a buyer more than one discount.
- A) chain discount
  - B) bulk discount
  - C) linked discount
  - D) wholesale discount
- 8) Mark earns .42 cents for each mile he drives. If he drives 65 miles per hour, calculate how much he will earn after working 240 hours this month.
- A) \$7,310
  - B) \$5,975
  - C) \$6,552
  - D) \$3,430
- 9) Roberto invested \$15,000 in a bond with a total yield of 2.5 percent. Calculate the maturity value after one year.
- A) \$375
  - B) \$15,890
  - C) \$15,375
  - D) \$890
- 10) Identify which act of legislation protects consumers when making personal consumer loans.
- A) Wilson Act
  - B) Truth-in-Lending Act
  - C) Clayton Act
  - D) Smith-Hughes Act

- 11) David wrote fifteen checks totaling \$1,843.98 and deposited one check for \$814.12 during the month. The beginning checking account balance was \$1,418.63. David's bank adds a surcharge of \$0.50 per check written after the first 10 during the month. What is the ending balance of David's checking account?
- A) \$238.87
  - B) \$278.63
  - C) \$368.72
  - D) \$386.27
- 12) Calculate the monthly cost of a \$2,500,000 hazard insurance policy annual premium if the rate is \$6.92 per thousand.
- A) \$14,500.00
  - B) \$1,441.66
  - C) \$1,220.33
  - D) \$17,300.00
- 13) Victory Screen Printing purchases a large color printer for \$3,000 on January 1. The business anticipates that the large color printer will be useful for five years. At the end of five years, Victory Screen Printing expects to sell the machine for \$500. What is the annual amount of depreciation?
- A) \$500
  - B) \$1,400
  - C) \$2,800
  - D) \$1,000
- 14) Pop's restaurant has the following food inventory: 8 cases of hamburger patties that cost \$65 each, 20 soft drink dispensers that cost \$35 each, 60 units of frozen food that cost \$80 per unit, 11 boxes of condiments worth \$15 per box, 8 cases of utensils worth \$35 each, and 6 cases of other paper goods worth \$38 per case. The value of Popo's inventory is \_\_\_\_\_.
- A) \$5,693
  - B) \$6,500
  - C) \$6,693
  - D) \$7,693
- 15) A comparison of one amount to another is referred to as a(n) \_\_\_\_\_.
- A) ratio
  - B) equation
  - C) proportion
  - D) fraction

- 1) C
- 2) D
- 3) C
- 4) A
- 5) C
- 6) C
- 7) A
- 8) C
- 9) C
- 10) B
- 11) D
- 12) B
- 13) A
- 14) C
- 15) A