



Republic of the Philippines
Department of Education
Region XI
DIVISION OF TAGUM CITY
La Filipina National High School

GENERAL MATHEMATICS

Name: _____ Section: _____ Grading Period: **2nd** Score: _____

Direction: Choose the letter of the correct answer. Write your answer on the space before each item.

SIMPLE INTEREST

1. This refers to the interest charged on the principal alone for the entire duration or period t of the loan or investment, at a particular rate r .
a. Compound Amount b. Present Value
c. Simple Interest d. Compound Interest
2. The P in the simple interest formula stands for _____.
a. Price of borrowing money
b. Interest Earned
c. Principal (or original amount invested)
d. Percentage Rate
3. The r in the simple interest formula stands for _____.
a. Time in Months
b. Time in Years
c. Total amount of interest
d. Interest rate (or simply rate)
4. Michael is saving money to buy a car. He takes 8,000 to the bank and opens an annual certificate of deposit upon which the bank agrees to pay him 2% interest. What is the P ?
a. 0.02 b. 8,160 c. 8,000 d. 2%
5. Reena took a loan of 1200 with simple interest for as many years as the rate of interest. If she paid 432 as interest at the end of the loan period, what was the rate of interest?
a. 3.6 b. 6 c. 18 d. Cannot be determined
6. Smith invests 3,000 for one year at a rate of 6%. How much interest will he earn at the end of that year?
a. 180 b. 200 c. 220 d. 150
7. Cortez invests 2,500 at a rate of $7\frac{1}{2}\%$ equation. What will her balance be at the end of three years?
a. 562 b. 2,687.50
c. 3,062.50 d. 4,890.00
8. Myles deposited 5,000 for 4 years at a rate of $5\frac{1}{2}\%$ equation. What will his balance be at the end of that time?
a. 1,100 b. 6,100
c. 6,500 d. 6,600
9. Reese deposited 7,500 for two years into a money market account. At the end of two years, she had a total of 8,700. What rate of interest did she receive?
a. 7% b. $7\frac{1}{2}\%$ c. 8% d. $8\frac{1}{2}\%$
10. A certain amount of money was invested for one year at a rate of $7\frac{1}{2}\%$. At the end of that year, it had earned 675. How much money was invested?
a. 8,000 b. 9,000 c. 10,000 d. 12,000
11. Find the maturity value of ₱40,000.00 compound annually at an interest rate of 2.5% in 4 years.
a. ₱6,002,500.00 b. ₱44, 152.52
c. ₱36,238.75 d. ₱97,656.25
12. Find the maturity value if ₱90,000 is invested at 7% compounded annually for 10 years?
a. ₱177,043.62 b. ₱96,502.20
c. ₱126,350.89 d. ₱6,746.75
13. An interest calculated on the sum of principal plus accumulated interest.
a. principal b. rate
c. simple interest d. compound interest
14. Suppose ₱55,000.00 will due in 9 years at 7% compounded annually. How much is the capital?
a. ₱463.79 b. ₱29,916.36
c. ₱4,637.90 d. ₱58,563.62
15. Find the present value of ₱80,000.00 due in 4 years if money is invested at 12% compounded semi-annually.
a. ₱50,291.99 b. ₱50,192.99
c. ₱52,091.99 d. ₱52,910.99
16. What is the frequency of conversion when money compounded quarterly?
a. 12 b. 2 c. 4 d. 365
17. How long will it take ₱2,000.00 to earn ₱500.00 if the interest is 12% compounded semi-annually?
a. 2.5 years b. 2 years c. 1 year d. 1.5 years
18. How long will it take ₱3,000.00 to accumulate to ₱3,500.00 in a bank savings account at 0.25% compounded monthly?
a. 61.67 years b. 66.17 years
c. 76.16 years d. 67.16 years
19. It refers to a share in the ownership of a company.
a. Stocks b. Share
c. Bond d. Stock Market
20. It is a place where stocks can be bought or sold.
a. Stocks b. Share
c. Bond d. Stock Market
21. It is an interest – bearing security which promises to pay a stated amount on the maturity and regular interest payments.
a. Stocks b. Share
c. Bond d. Stock Market
22. Investors are guaranteed interest payments and return of their money at the maturity date.
a. Stocks b. Share
c. Bond d. Stock Market
23. It is the current price of a stock at which it can be sold.
a. Stock Market b. Market Value
c. Bond Market d. Par Value
24. It is the measure of the value of a section of the stock market and is computed from the price of selected stocks.
a. Stock Index b. Market Value
c. Bond Index d. Par Value



25. A certain corporation declared a 5% dividend on a stock with a par value of Php 900.00. Mrs. Ramos owns 250 shares of stock with a par value of Php 900.00. How much is the dividend she received?

- a. Php 12,150.00 c. Php 11,250.00
- b. Php 11,150.00 d. Php 12,250.00

26. Find the yield on Php 5,000.00, 12% ACTS Company bond priced at 95 plus Php 20 commission.

- a. 11.58% b. 12.58%
- c. 13.58% d. 14.58%

27. The statement "I am happy to see you." is classified as

- a. Simple proposition
- b. Compound proposition: Negation
- c. Compound proposition: Conjunction
- d. Compound proposition: Biconditional

28. The argument "If it rains today, then $3 + 3 = 6$ ". It rained today. Therefore, $3 + 3 = 6$ is valid because

- a. It is a fallacy of the converse
- b. It is a Modus Ponens
- c. By rule of addition
- d. By rule of proof by case

29. Let p be the statement: "Joan is a senior high school student" and let q be "Joan is over 15 years old". Under which condition of conditions is the statement:

"Joan is either a senior high school student nor over 15 years old" true

- a. $\sim p \wedge q$ is true when at least one of p and q is true.
- b. $\sim p \wedge \sim q$ is true when both p and q are false.
- c. $\sim p \wedge q$ is true when at least one of p and q are false.
- d. $\sim p \wedge q$ is true when both p and q are true.

30. A statement: "It is not the case that Jonathan can play the piano or Oniel old today".

- a. $a \vee b$ b. $\sim (a \vee b)$
- c. $a \wedge b$ d. $\sim (a \wedge b)$

31. Mr. Garsero renovated her house for P80,000. This was made possible because of an approved loan worth P75,000. Based on the problem illustrated above what type of loan did Mr. Garsero availed?

- a. Business Loan b. Housing Loan
- c. Consumer Loan d. Personal Loan

32. Mrs. Alvares wants to have another branch for her cellphone repair shop. She decided to apply for a loan that she can use to pay for the rentals of the new branch. On what category of loan will the application of Mrs. Alvares fall?

- a. Business Loan b. Housing Loan
- c. Consumer Loan d. Personal Loan

33. An assets that can secure a loan.

- a. Mortgage b. Collateral
- c. Loan d. Amortization

34. It is a mortgage on a movable property.

- a. Mortgage b. Chattel Mortgage
- c. Amortization d. Amortization Method

35. A loan of P 200,000 is to be repaid in full after 3 years. If the interest is 8% per annum. How much should be paid after 3 years?

- a. P 251,942.00 b. P 215, 942.00
- c. P 251,492.00 d. P 215, 492.00

36. For a purchase of a house and lot worth P 3,800,000, the bank requires 20% down payment, find the mortgage amount.

- a. P 3, 400,000.00 b. P 3,004,000.00
- c. P 3, 000,400.00 d. P 3,040,000.00

37. Which statement is a CONVERSE statement of the conditional statement:

If the apple is bright, then the apple is fresh.

- a. The apple is bright if and only if the apple is fresh.
- b. If the apple is not bright, then the apple is red.
- c. If the apple is fresh, then the apple is red.
- d. If the apple is fresh, then the apple is bright.

38. Which statement is a CONTRAPOSITIVE statement of the conditional statement:

If the rock is big, then the rock is heavy.

- a. If the rock is not heavy, then the rock is not big.
- b. If the rock is heavy, then the rock is big.
- c. The rock is big if and only if the rock is heavy.
- d. If the rock is not big, then the rock is not heavy.

39. Which statement is an INVERSE statement of the conditional statement:

If it is round, then it can roll.

- a. If it is not round, then it cannot roll.
- b. If I am round, then I am fat.
- c. If it cannot roll, then it is not round.
- d. If it can roll, then it is round.

40. Which of the following is a valid argument?

- a. If it is Monday today, then it is June 1. It is Monday today, therefore, it is June 1.
- b. If it is not the case that x is an odd number and y is a prime number. Furthermore, x is not an odd number. Therefore, y is a prime number.
- c. If Elsa wins the singing contest, then she will perform in the national T.V. She performed in national T.V. It follows that Elsa won the singing contest.
- d. All of these.

