THIRD PERIODICAL TEST
MATHEMATICS VI

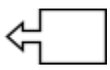
Name: _____

I. Encircle the letter of the correct answer.

1. It is the amount deducted from the original price.
a. commission c. principal
b. discount d. interest

2. 24/8 = N/17 Find the missing element in the proportion.
a. 51 c. 28
b. 39 d. 94

3. Mm got 80% of 60 items correct in a Math test. How many did he get?
a. 54 c. 48
b. 14 d. 12

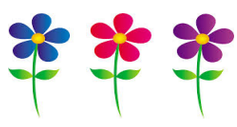
4.  Identify the polygon.

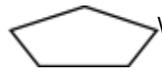
a. undecagon c. dodecagon
b. nonagon d. decagon

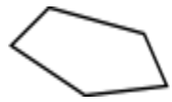
5. What kind of angle is shown?
a. reflex c. right
b. acute d. obtuse

6. Anne bought a book marked ₱250 for only ₱175 at a book sale. What was the rate of discount?
a. 10% c. 25%
b. 20% d. 30%

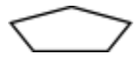
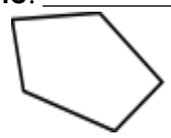
7. 46%, 56%, 51%, 61%, 56%, _____, _____, _____. Study the series of rates. What are the next three numbers?
a. 66%, 61%, 71% c. 41%, 51%, 56%
b. 71%, 76%, 81% d. 36%, 41%, 51%

8.  What is the ratio of the leaves to the flowers?
a. 15 : 6 c. 2 : 1
b. 3 : 6 d. 1 : 2

9.  Which polygon is congruent to the polygon at the left?

a.  c.

Date: _____

c.  d. 

10. It always comes with the percent symbol.
a. principal c. percentage
b. rate d. time

11. If you open up an octagon and add one more side, what kind of polygon will it become?
a. decagon c. nonagon
b. octagon d. dodecagon

12. Thirty percent of forty pupils say Math is their favorite subject. How many like Math? What is missing?
a. base c. rate
b. percentage d. discount

13. It is the quantity which is a part of the total number.
a. commission c. principal
b. rate d. percentage

14. Rename 3/5 as percent.
a. 60% c. 30%
b. 20% d. 50%

15. MangElo's fishpond, where he grows tilapia, is in the shape of a trapezoid. Its upper base is 7 m, while its lower base is 9 m. What is the area of the fishpond if its height is 4 m?
a. 28 sq. m c. 32 sq. m
b. 20 sq. m d. 64 sq. m

16. What do two equal ratios form?
a. percentage c. proportion

b. commission d. sum

17. Tuition fee is increased by 25% since five years. If the tuition fee then was ₱5 000, how much is the tuition fee now?
a. ₱6 250 c. ₱5 025
b. ₱5 400 d. ₱1 250

18. It is the comparison of two quantities.
a. whole number c. decimal
b. graph d. ratio

19. 36 is 20% of N. What is N?
a. 73 c. 192
b. 180 d. 97

20. Minda bought a set of dinner plates marked ₱1 500 but with a 45% discount. How much did she pay for the set?
What is the hidden question?
a. What is the tag price?
b. How much did she pay for the set?
c. How much is the discount?
d. What is the rate of discount?

21. A box contains 320 marbles. Ten percent of the marbles are red. How many are red marbles?
a. 32 c. 27
b. 10 d. 45

22. It is the amount earned for the use of money.
a. principal c. interest
b. discount d. commission

23. If you put together two right triangles, such that their union will have four right angles, what polygon will it form?
a. heptagon c. quadrilateral
c. octagon d. nonagon

24. Miss Curtis wants to buy a can of pineapple juice marked ₱95. How much will she save if she buys it during a sale offering 5% off on all prices?
What is asked in the problem?
a. the discount on ₱95 at 5%
b. the interest of ₱95 at 5%
c. the cost of 5 cans of pineapple juice
d. the price of all the items in the store

25. A pair of leather shoes was on sale and was given a discount of ₱450 at 30%. What was the original price of the shoes?
a. ₱1 350 c. ₱2 000
b. ₱3 150 d. ₱1 500

26. Brunei has a population of 357 thousand. This is about 50% of the population of Ilocos Sur. What is the population of Ilocos Sur?
a. 178.5 thousand c. 200 thousand
b. 357 thousand d. 714 thousand

27. To put up a grocery store, Mr. and Mrs. Manzano borrowed one million at a rate of 18% per year for three years. What is the total they will pay in the bank?
What is the number sentence?
a. ₱1 000 000 + [(₱1 000 000 x 0.18) x 3]
b. (₱1 000 000 / 18 x 3)
c. ₱1 000 000 - [(₱1 000 000 x 0.18) x 3]
d. ₱1 000 000 - (0.18 x 3)

28. Aside from colon, what else can be used to write ratios?
a. quotation mark c. fraction line
b. period d. hyphen

29. Arnel borrowed ₱75 000 from a bank that charges 6% interest per month. If the bank deducts the interest from the loan, how much did Arnel receive on his loan?
What operations should be used?
a. multiplication and division
b. addition and subtraction
c. multiplication and subtraction
d. addition and division

30. One hundred fifty out of 375 intermediate pupils registered as members of the Math Club. What percent of the pupils are members of the Math Club?
a. 40% c. 20%
b. 25% d. 70%

31. To make sweetened 'langka', Melody uses 6 cups sugar for 14 cups of 'langka'. If she has 35 cups of 'langka', how much sugar does she need?

What is the number sentence?

a. 14 : 6 : : N : 35
b. 6 : 14 : : N : 35
c. 6 : 35 : : 14 : N
d. N : 6 : : 14 : 35

32. It means per hundred or hundredths. It is a ratio which compares a number with 100.

a. proportion
b. percent
c. fraction
d. decimal

33. A car worth ₱978 000 is to be paid within a year with zero interest. How much is the monthly installment?

a. ₱81 500
b. ₱97 800
c. ₱14 200
d. ₱58 600

34. Nicetas makes flowers out of colored papers. For every two pieces of colored paper, she makes eleven flowers. What are the two quantities being compared?

a. flowers and papers
b. papers and two
c. Nicetas and papers
d. Nicetas and flowers

35. N% of 95 is 19. What is N?

a. percentage
b. ratio
c. base
d. rate

36. What kind of triangle according to side is shown?

a. acute
b. obtuse
c. isosceles
d. scalene

37. 48 is 75% of what number?

a. 64
b. 92
c. 54
d. 78

38. Two hundred fifty pupils were in the list of NEAT examinees. On the day of the examination, only 98% of the pupils took the test. How many were absent?

a. 5
b. 245
c. 7
d. 152

39. There are 357 pupils in a local elementary school. Of this number, 289 watched a school play. What percent of the pupils watched the play?

What is the number sentence?

a. 357 - 289 = N
b. 289 ÷ 357 x 100 = N
c. (289 x 100) / 357 = N
d. (289 + 357) x 100 = N

40. A midnight sale is on at a big department store. A pair of denim pants with a tag price of ₱975 is sold at 20% discount. How much will Edu pay for the pair of pants?

In the number sentence ₱975 - (₱975 x 0.20) = ₱780, what is₱780?

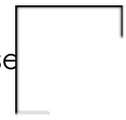
a. rate of discount
b. discounted price
c. principal
d. tag price

41. Mr. Aclan was able to harvest 67% of his crops. What percent was not harvested?

a. 24%
b. 43%
c. 33%
d. 76%

42. Arnel deposited ₱4 500 in a bank. After one year, his account became ₱4 950. What was the rate of interest?

a. 10%
b. 12.5%
c. 3%
d. 4.5%

43.  How many squares do you se

a. 7
b. 8
c. 10
d. 11

44. The area of a parallelogram is 36 dm^2. If the base measures 9 dm, what is its height?

a. 45 dm
b. 27 dm
c. 4 dm
d. 324 dm

45. The Grade VI class harvested 18 kilograms of radish in the garden. If 9 kilograms were sold, what percent of the harvest was not sold?

a. 9%
b. 25%
c. 20%
d. 50%

46.Erich used 9 eggs for 4 omelets. How many eggs will she need for 12 omelets?

a. 36
b. 4
c. 13
d. 27

47. Mellany got 7 correct answers for every 10 items. How many did she get in 60 items?

a. 17
c. 42

b. 70 d. 18

48. Mr. and Mrs. Montes spend 65% of their monthly salaries for food. Mr. Montes earns ₱6 450 while his wife earns ₱5 150. How much of their monthly salaries go to their other expenses?
a. ₱7 540 c. ₱11 600
b. ₱957.50 d. ₱4 060

49. 27 out of 45 pupils are boys. What percent are girls?
a. 40% c. 60%
b. 33% d. 18%

50. Julia made a loan from their cooperative. ₱2 400 was deducted from the principal as yearly interest. At the interest rate of 8% per annum, how much was her loan?
a. ₱19 200 c. ₱30 000
b. ₱3 000 d. ₱24 000

51. What kind of polygon is a five-pointed star?
a. decagon c. quadrilateral
d. pentagon d. heptagon

52. Which set of ratios form a proportion?
a. 3 : 5 : : 6 : 11 c. 15 : 2 : : 7 : 1
b. 24 : 10 : : 15 : 5 d. 4 : 9 : : 8 : 18

53. 25% out of the 300 pupils of Tiquiwan Elementary School did not join the field trip. How many joined?
a. 75 c. 275
b. 325 d. 225

54. Manuelo deposited ₱7 200 in a bank. After one year, the amount of interest recorded on his passbook was ₱115.20. What was the rate of interest?

In the number sentence ₱7 200 x N% = ₱115.20, what is ₱7 200?
a. principal c. discount
b. commission d. interest

55. These are lines that do not meet.
a. parallel lines c. intersecting lines
b. perpendicular lines d. deadlines

56.Gol receives a commission of 6% on all his sales. What is his commission on a sale of ₱12 100?

What are given?
a. 6% commission, ₱12 100 sales
b. ₱12 100 commission, 6% sales
c. 6% commission, ₱12 000 sales
d. 60% commission, ₱12 100 sales

57. It is formed by two rays with a common end point.
a. angle c. polygon
b. fraction d. line

58. A pair of shoes cost ₱2 450 at a 20% discount. What is its original price?
a. ₱12 250 c. ₱4 900
b. ₱24 990 d. ₱3 062.50

59.

Which is most likely the measure of the angle at the left?
a. 152° c. 96°
b. 320° d. 225°

60. Miss Guino received a ₱15 250 commission from her sale of a second-hand car. If the rate of commission is 16%, how much was the car?
a. ₱95 312.50 c. ₱12 810
b. ₱244 000 d. ₱56 320