

**THIRD PERIODICAL TEST
MATHEMATICS 6**

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?

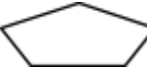
- a. 10% c. 25%
b. 20% d. 30%

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
- b. ₱5 400
- c. ₱5 025
- d. ₱1 250

18. It is the comparison of two quantities.

- a. whole number
- b. graph
- c. decimal
- d. ratio

19. 36 is 20% of N.
What is N?

- a. 73
- b. 180
- c. 192
- 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
- b. 10
- c. 27
- d. 45

22. It is the amount earned for the use of money.

- a. principal
- b. discount
- c. interest
- 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
- b. octagon
- c. quadrilateral
- 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
- b. ₱3 150
- c. ₱2 000
- 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
- b. 357 thousand
- c. 200 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. $₱1\ 000\ 000 + [(₱1\ 000\ 000 \times 0.18) \times 3]$
- b. $(₱1\ 000\ 000 / 18 \times 3)$
- c. $₱1\ 000\ 000 - [(₱1\ 000\ 000 \times 0.18) \times 3]$
- d. $₱1\ 000\ 000 - (0.18 \times 3)$

28. Aside from colon, what else can be used to write ratios?

- a. quotation mark
- b. period
- c. fraction line
- 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%
- b. 25%
- c. 20%
- 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. $14 : 6 :: N : 35$ c. $6 : 35 :: 14 : N$
 b. $6 : 14 :: N : 35$ d. $N : 6 :: 14 : 35$

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

- a. proportion c. fraction
 b. percent 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 c. ₱14 200
 b. ₱97 800 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 c. Nicetas and papers
 b. papers and two d. Nicetas and flowers

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

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



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

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

37. 48 is 75% of what number?

- a. 64 c. 54
 b. 92 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 c. 7
 b. 245 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. $357 - 289 = N$ c. $(289 \times 100) / 357 = N$

- b. $289 \div 357 \times 100 = N$ d. $(289 + 357) \times 100 = N$

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 $\text{₱}975 - (\text{₱}975 \times 0.20) = \text{₱}780$, what is ₱780?

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

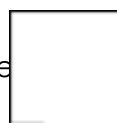
41. Mr. Aclan was able to harvest 67% of his crops. What percent was not harvested?

- a. 24% c. 33%
 b. 43% 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% c. 3%
 b. 12.5% d. 4.5%

43. How many squares do you see



- a. 7 c. 10
 b. 8 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 c. 4 dm
 b. 27 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% c. 20%
 b. 25% d. 50%

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

- a. 36 c. 13
 b. 4 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
- b. ₱957.50
- c. ₱11 600
- d. ₱4 060

49. 27 out of 45 pupils are boys. What percent are girls?

- a. 40%
- b. 33%
- c. 60%
- 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
- b. ₱3 000
- c. ₱30 000
- d. ₱24 000

51. What kind of polygon is a five-pointed star?

- a. decagon
- b. pentagon
- c. quadrilateral
- d. heptagon

52. Which set of ratios form a proportion?

- a. 3 : 5 :: 6 : 11
- b. 24 : 10 :: 15 : 5
- c. 15 : 2 :: 7 : 1
- 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
- b. 325
- c. 275
- 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 $₱7\ 200 \times N\% = ₱115.20$, what is ₱7 200?

- a. principal
- b. commission
- c. discount
- d. interest

55. These are lines that do not meet.

- a. parallel lines
- b. perpendicular lines
- c. intersecting 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
- b. fraction
- c. polygon
- d. line

58. A pair of shoes cost ₱2 450 at a 20% discount. What is its original price?

- a. ₱12 250
- b. ₱24 990
- c. ₱4 900
- d. ₱3 062.50

59. 

Which is most likely the measure of the angle at the left?

- a. 152°
- b. 320°
- c. 96°
- 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
- b. ₱244 000
- c. ₱12 810
- d. ₱56 320