SCHOOL DIVISION OFFICE, NAVOTAS CITY
DIAGNOSTIC TEST SY 2020-2021

MATHEMATICS 6

Name_____ **Score**_____
Teacher_____ **Date**_____

Direction:For Parents: Guide your child in answering test questions and find out why he chose the answers. Sometimes a child didn't understand or misread a question. Or, he may have known the correct answer but failed to make his answer clear

Direction for Pupils: Read and solve the given problems carefully. Write the letter of your answer on the space provided before each number.
When you get the test, read the directions carefully before you begin work. If you don't understand how to do so., ask the teacher to explain.

_____1. What is 1/7 + 3/7?
A. 2/7 B. 4/49 C. 4/7 D. 4/14

_____2. Robert has 1 1/4 kilogram of beef and 3 1/2kilogram of chicken in his refrigerator. How many kilogram of meat does he have in his refrigerator?
A. 5kg. B. 4 1/2kg. C. 4 3/4kg. D 5 1/2kg.

_____3. When 2 1/2 is multiplied by 2/3, the product is _____.
A. 3 1/3 B. 5 1/3 C. 3 3/8 D. 1 2/3

_____4. Ronald reads 1/3 part of a book in 1 hour. How much part of the book will he read in 2 1/5 hours?
A. 9/15 B. 7/15 C 11/5 D. 11/15

_____5. When 9 1/3 is divided by 1/3, the quotient is _____.
A. 28 B. 25 C. 26 D. 27

_____6. You have 3/4 yard of pipe. How many pieces can you cut the pipe into if each pipe is 1/8 yard?
A. 6 B. 7 C. 8 D. 9

_____7. The sum of 6 + 0.413 + 0.173 is _____
A. 0.6586 B. 6.586 C. 6.865 D. 6.658

_____8. For her father's birthday, Cielo bought a gift worth P307.50. How much of her five hundred peso bill was left?
A. Php 293.50 B. Php. 192.50 C. Php. 274.50 D. Php. 253.50

_____9. Find the product of 3.05 by 2.11
A. 64.355 B. 643.55 C. 6.4355 D. 0.64355

_____10. When 24 is multiplied by 100, the product is _____.
A. 240 B. 2,400 C. 24,000 D. 240,000

_____11. If The price of chicken is Php. 120.50 per kilo how much 6 kilo cost?
A. Php. 700.00 B. Php 720.00 C. Php 723.00 D. 732.00

_____12. The milkman delivers 5.02 liter of milk to a house in the morning and 2.120 liter in the evening. What is the total quantity of milk delivered by the milkman in 3 days?
A. 21.42 liters B. 24.12 liters C. 14.12 liters D. 42.12 liters

_____13. Which of the following fraction is non terminating decimals?
A. 1/2 B. 1/3 C. 1/4 D. 1/5

_____14. School lunches cost 40.50 per day . About how many days would Php. 283.50 last
A. 5 B. 6 C. 7 D. 8

_____15. Samantha paid Php 326.25 for three books that all cost the same amount. What was the cost per book?

A. Php. 125..75 B.Php. 120.75 C. Php 118.75 D. Php. 108.75

_____16. There are 18 boys and 22 girls in Grade VI-Bonifacio. What is the ratio of girls to boys using fraction?

A. 24/18 B. 16/22 C. 18/22 D. 22/18

_____17. It means the comparison between two numbers

A. Ratio B. Proportion C. decimal

_____18. If 7 men can complete a work in 52 days. In how many days will 13 men finish the same work ?

A. 26 B. 27 C. 28 D.29

_____19. You rode your bike at a rate of 10 miles per hour for 4 hours. How many miles did you travel? This time, use the distance

A. 10 miles B. 20 miles C. 30 miles D. 40 miles

_____20. Robert took a math test and got 40 correct and 10 incorrect answers. What was the percentage of correct answers?

A. 50% B. 60% C. 70% D. 80%

_____21. Anton has a 20% mistake in a 80-item test. How many mistakes does Kate have in the test?

A. 9 B. 12 C. 16 D. 20

_____22. The price of a sweater was slashed from Php 120.00 to Php 90.00 by a shopkeeper in the winter season. Find the rate of discount given by him.

A. 25% B. 20% C. 30% D .40%

_____23.Write the expression in exponential form. $5 \times 5 \times 5 \times 5 \times 5$

A. 25 B. 125 C 5^3 D. 5^5

_____24. Find the value of N to make $5^3 = N$ true.

A. 18 B. 125 C. 36 D. 261

_____25. Evaluate the following expression $2\,[5 + (30 \div 6)^2]$

A. 60 B. 40 C. 50 D.80

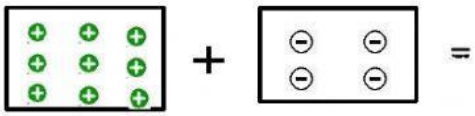
_____26. Solve the following operation using PEMDAS. 3+8(4-2)-7

A. 20 B. 29 c.12 D. 9

_____27. Fill the blank the given value

fraction	decimal	percent
	.50	50%

A. 1/5 B. 1/3 C.1/4 D. 1/2



_____28.Add the following integers

A. 13 B 5 C. -13 D. -5

_____29. Perform the given operation (+12) – (-5) =

A. -7 B. +7 C 17 D. -17

_____30. The sum of two numbers is 84, and one of them is 12 more than the other. What are the two numbers?

A 36, 24 B. 36, 12 C. 48,12 D. 36, 48