NAMAGUNGA PRIMARY BOARDING SCHOOL

BEGINNING OF TERM III EXAMINATION - 2022

MATHEMATICS - PRIMARY SIX

Time allowed: ***2 Hours 30 Minutes***

Name:..... Stream :.....

Read the following instructions carefully:

1. This paper has **two** Sections: **A** and **B**.
2. Section **A**, has **20** short answer questions (40 marks)
3. Section **B** has **12** questions (60 marks).
4. Answer **ALL** questions. All answers to both Sections **A** and **B** must be written in spaces provided.
5. All answers must be written using a blue or black ballpoint pen or ink. Diagrams should be drawn in pencil.
6. Unnecessary alteration of work will lead to loss of marks.
7. Any handwriting that cannot be easily read, may lead to loss of marks.
8. Do not fill anything in the box indicated for examiner's use only.

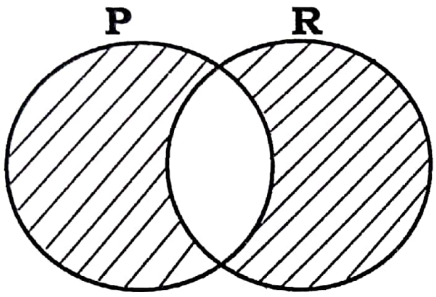
A	
B	
TOTAL	

FOR EXAMINERS' USE ONLY		
QN. NO	**MARK**	**SIGN**
1-5		
6-10		
11-15		
16-20		
21-22		
23-24		
25-26		
27-28		
29-30		
31-32		
TOTAL		

SECTION A

1. Add: 17 + 12

2. Describe the shaded set region.



3. Simplify: $\frac{1}{3} + \frac{1}{2}$

4. Find the mode of 2 , 4 , 0 , 4 , 8

5. Express 72km/hr as m/sec.

6. Find the next two numbers in the sequence.

1 , 3 , 6 , 10 , ___ , ___

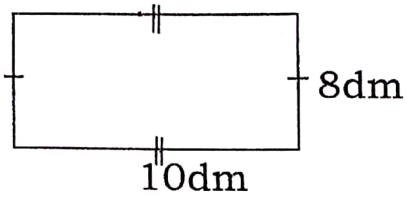
7. Work out;

Weeks	**Days**
6	2
− 3	4

8. Using a ruler , a sharp pencil and a pair of compasses only, construct an angle of 120°.

9. Change 49 to Roman numerals.

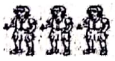
10. The diagram below is a rectangle, calculate its area.



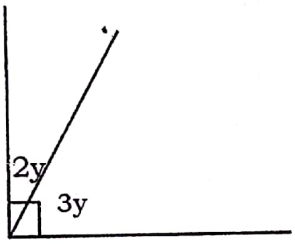
11. Simplify -6 - +6

12. Reduce $\frac{18}{20}$ to its lowest terms.

13. Set K has 16 subsets. Find the number of elements in set K.

14. Given that  represent 30 girls. Draw pictures to represent 20 girls.

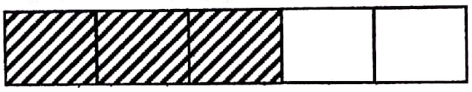
15. In the figure below, find the value of y.



16. Find the G.C.F of 30 and 24.

17. Jane ran 3.5km during sports day. Express this distance in metres.

18. In the figure below, express the shaded region as a percentage.

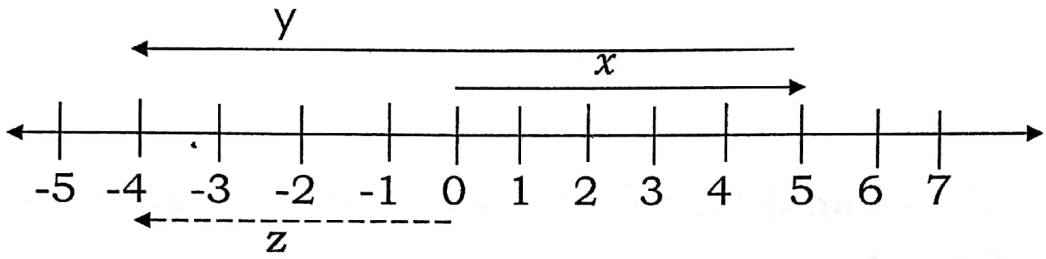


19. Find the difference in the place value of 3 and the value of 6 in the number 73,968.

20. Simplify: $5w + 4y - 3w - 3y$

SECTION - B

21. Use the number line below to answer the questions that follow.



a) Write the integers represented by the arrows on the number line above. (1mark @)

$x =$ _____ $y =$ _____ $z =$ _____

b) Write down the addition mathematical sentence shown on the above number line. (2marks)

22. Amina went shopping with a fifty thousand shilling note and bought the following items.

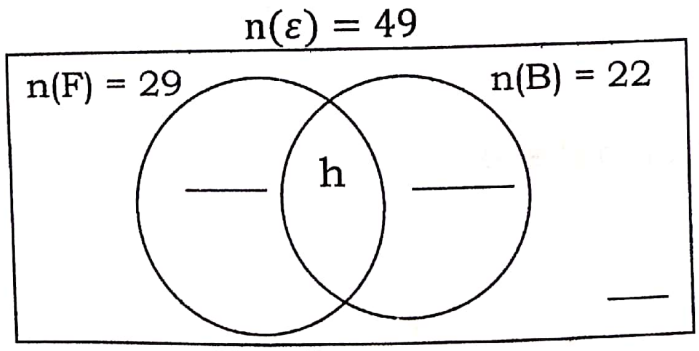
- 4 counter books at sh. 3,000 each
- a school uniform at sh. 15,000
- 1½kg of sugar at sh. 3,200 per kg
- 3 loaves of bread at sh. 10,500

a) Work out her total bill. (4marks)

b) How much did she remain with after paying her bill? (1mark)

23. Out of 49 swimmers in the swimming Gala, 29 took part in free style(F) 22 took part in Breast stroke (B), h took part in both styles while 3 did not participate in any of the two styles.

a) Show the above information on a Venn diagram below. (3marks)



b) How many swimmers took part in both styles? (2marks)

24. Using a ruler, a pencil and a pair of compasses only, construct a regular hexagon in a circle of radius 4cm.
(4marks)

25. The table below shows marks scored buy some pupils in an examination.

Marks scored	80	70	60	90
Number of pupils	3	1	4	2

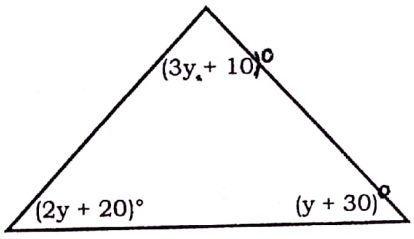
a) How many pupils did the examination? (1marks)

b) What was the modal score. (1marks)

c) Find out the median mark (2marks)

d) Work out their average score. (2marks)

26. a) Find the value of y in the diagram below. (3marks)



b) If x and $2x + 30^{o}$ are supplementary angles. Find the value of x. (2marks)

27. The sum of 3 consecutive even numbers is 66.
a) Find the numbers. (4marks)

b) Find the product of the largest and the smallest number. (1mark)

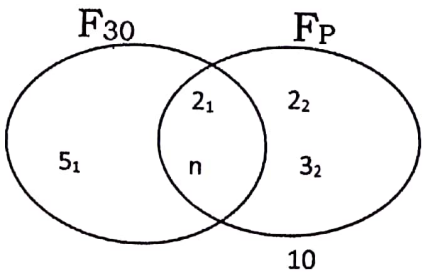
28. In a village of 3000 people, 40% of them are males and the rest are females.

a) Find the percentage of the females in the village. (1mark)

b) How many males are in the village? (2marks)

c) How many more females than males are in the village. (2marks)

29. Study the venn diagram below and use it to answer the questions that follow.



a) Find the value of n (2marks)

b) Workout the value of P. (2marks)

c) Calculate the LCM of P and 30. (2marks)

30(a) If x = 2 , y = 3 and z = 4
Find the value of $\frac{2yz}{xy}$ (2marks)

b) Solve: $\frac{y}{3} + 7 = 9$ (2marks)

31a) Simplify; $\frac{0.48 \times 2.5}{0.12 \times 0.5}$ (2marks)

b) Mr. Rembo covered $\frac{2}{3}$ of the journey and he was left with 12km. How long was the whole journey? (2marks)

32. Peter spends his monthly income as follows 10% on rent, 30% on food 40% on fees and 20% on other items. Using a radius of 4cm, put the above information on an accurate pie chart. (6marks)

End