KABALE DIOCESE CATHOLIC
PRIMARY SCHOOLS
PRE - MOCK SET 2023
P. 7 MATHEMATICS

Time allowed: 2 Hours 30 Minutes

INDEX NO:	EMIS No.						Personal No.		

Candidate's Name: .....Stream.....

Candidate's Signature:.....

Read the following instructions carefully:

1. The paper has **two** sections: **A** and **B**
2. Section **A** has **20** short 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 the spaces provided.
5. All answers must be written using a blue or black ball point pen or ink. Diagrams should be drawn in pencil.
6. Unnecessary alteration of work may 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 boxes indicated for Examiner's Use only.

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

Turn over

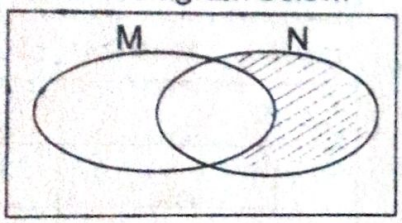
SECTION A

1. Subtract : 924 - 22.

2. Write 3049 in words.

3. Write XCIV in Hindu -Arabic numerals.

4. Describe the shaded region on the venn diagram below.



5. Find the next number in sequence.

1, 3, 6, 10, 15, _____

6. Simplify : 8t - 3t + 4t.

8. Express 732 in scentific notation.

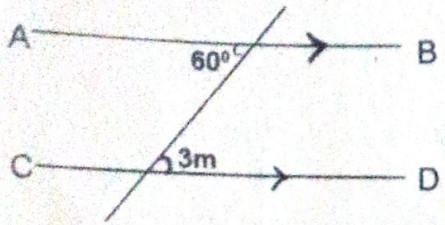
9. A bundle of bank notes worth sh. 50,000 is numbered from XY00440 to XY last note. If each note is worth sh. 1,000, what is the last note?

10. The cost of 4 books is 36000. How much will 6 books of the same type cost?

11. A car travelling at a speed of 60km/hr took 3 hours to cover a certain distance. Calculate the distance covered.

12. Work out: $1011_{two} + 101_{two}$.

13. In the figure below, AB is parallel to CD.
Find the value of m.



14. Round off 2347 to the nearest hundreds.

15. Express 2105 hours to a 12 hour clock system.

16. Given that seventy poles are fixed in a straight line alongside a road at intervals of 10 metres, What length of the road was covered in metres?

17. Ronald deposited sh. 500,000 in a bank that offers an interest of 20% per annum for 3 years.
What interest did he get after 3 years?

18. Find the circumference of a circle whose radius is 14m. (Use π $^{22}/_{7}$)

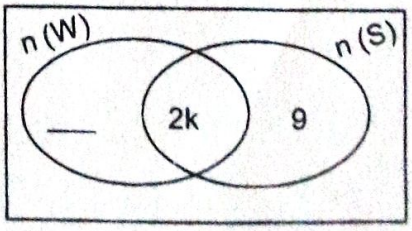
19. Denis had 4200 kg of sugar. The number of kg increased in the ratio of 5:3.
Find the number of kg Denis has now?

20. In a box of pens, 4 are red and 6 are blue, if a pupil is selected from the class to pick a pen at random, Find the probability that a pen picked is red.

SECTION B

21. At a baby shower party, 7 people took water (W) only, some took soda (S) 2k took both drinks and K + 3 took other drinks.

(a) Complete the venn diagram below.



(b) If 29 people took soda, find the value of K.

22. Kennedy bought the following items from a shop.

2kg of rice at sh. 5,500 per kg

4 litres of milk at sh. 1100 per half litre.

2 bars of soap at shs. 6,000-

(a) Calculate his total expenditure.

(b) If he had sh. 50,000, what was his change?

23 (a) Simplify: $\frac{0.48 \times 0.6}{0.3 \times 1.2}$

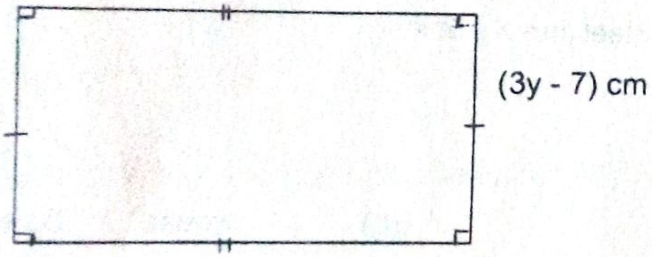
(b) Workout: $5/9 \div (1/3 + 1/4)$ of $2\,1/7$

24. A father is three times as old as his son. In 15 years, the father will be twice as old as his son.

(a) How old is the father now?

(b) Find the age of the son in 20 years time.

25. The figure below is a square. Find its area.



26 The area of circular flower garden is 154cm2.

(a) How long is its diameter?

(b) If the garden is to be fenced with poles planted at intervals of 2m apart, how many poles are needed to fence the garden? (Use π $^{22}/_{7}$)

27 (a) Using a pair of compasses, a ruler and a pencil only, construct a triangle XYZ where line XY = 7cm YZ = ZX = 6cm.

(b) Drop a perpendicular from Z to meet line XY at P

28. (a)

	Hrs	min
	6	43
+	3	27

(b)

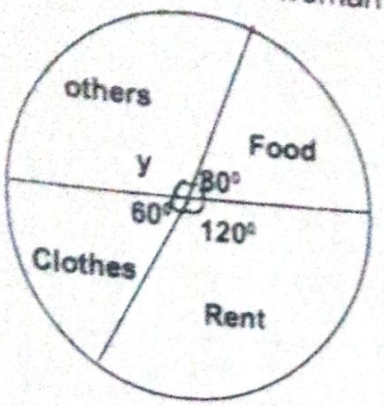
	weeks	Days
	5	3
-	3	5

29. John, Jane and Asher shared money in the ratio 7:13:15 respectively. If Asher got sh. 320,000 more than John;

(a) How much money did they share altogether?

(b) Find the amount of money Jane got.

30. The pie chart below shows how a woman spends her sh. 360,000 over the weekend.



(a) Find the value of y in degrees.

(b) How much more money does she spend on rent than others?

(c) What fraction of her money is spent on rent?

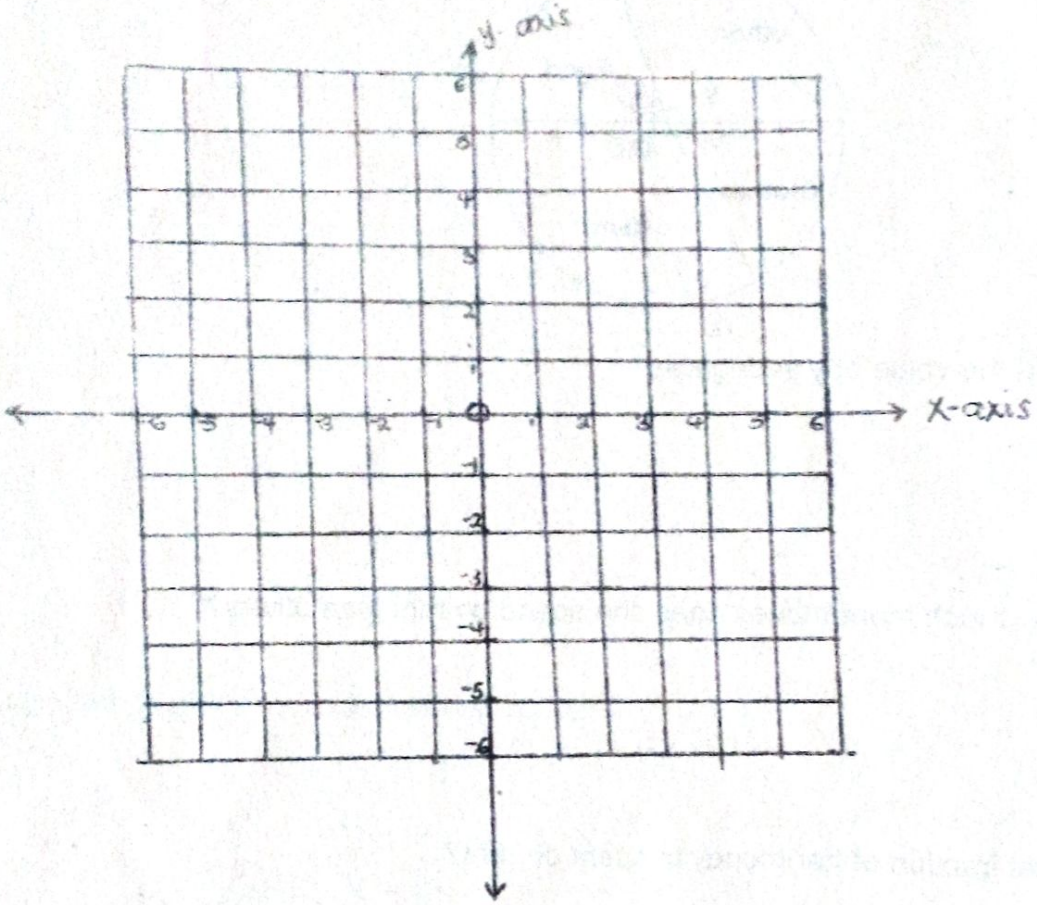
31. A school bought 5 tins of liquid soap whose radius is 7cm and height 60 cm each.

(a) Calculate the capicity of liquid soap which was in the tins in litres altogether.

(b) If the liquid soap was all poured into a rectangular tank whose base area is 231cm^2. Find the height of the liquid soap in the tank.

32. Plot the following co-ordinates on the graph below.

A (-2,5) B (5 , 5) , C (2, -4) and D (-5,-4)



(b) Join A to B, B to C, C to D and D to A

(c) Name the quadrilateral formed after Joining the points.