



DIOCESE OF WEST ANKOLE

PRE-PRIMARY LEAVING EXAMINATION, 2025

MATHEMATICS

Time Allowed: 2 hours 30 minutes

Random No.						Personal No.		

Candidate's Name:

Candidate's Signature:

District ID No:

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Read the following instructions carefully:

1. Do not write your **school** or **district name** anywhere on this paper.
2. This paper has **two** sections: **A** and **B**. Section **A** has **20** questions and Section **B** has **12** questions. The paper has **12 printed pages** altogether.
3. Answer **all** questions. **All** the working for both sections **A** and **B** must be shown in the spaces provided.
4. **All** working must be done using a **blue** or **black** ball point pen or ink. Any work done in pencil other than graphs and diagrams will **not** be marked.
5. **No calculators** are allowed in examination room.
6. Unnecessary **changes** in your work and hand writing that cannot easily be read may lead to **loss** of marks.
7. Do **not** fill anything in the table indicated: **"For Examiners' Use Only"** and boxes inside the question paper.

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

SECTION A : 40 MARKS.

Answer **all** questions in this section.

Questions **1** to **20** carry **two** marks each.

1. Work out:

$$\begin{array}{r} 1 \ 2 \ 4 \\ - \ 2 \ 3 \\ \hline \end{array}$$

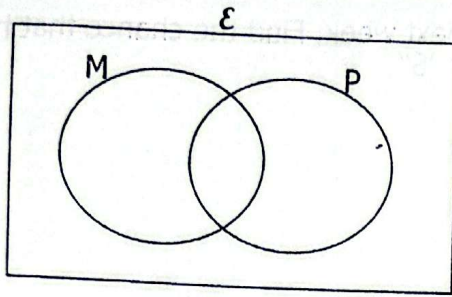
2. Write 42093 in words.

3. Simplify: $-4 - -7$

4. Find the next number in the sequence.
3, 4, 8, 17, 33, _____

5. Find the number whose standard form is $4.075 \times 10^{+3}$

6. In the Venn diagram below, shade the region $(M \cap P)^c$



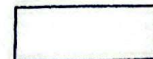
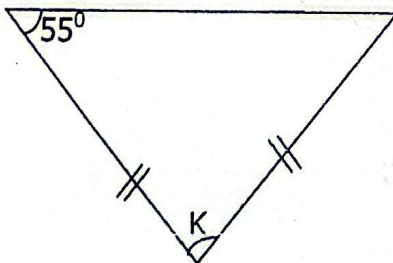
7. Simplify: $\frac{6}{7} \div 1\frac{1}{2}$



8. A forty minute lesson ended at 10:30am.
At what time did it start?

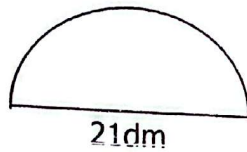
9. Work out: $1\frac{1}{2} \times 1\frac{1}{2}$

10. In the diagram below, find the size of angle K.



11. Our teacher will celebrate his birthday next week. Find the chance that he will celebrate it on a day starting with letter "S"

12. Find the circumference of the semi-circle below. (Use π as $\frac{22}{7}$)



13. Solve $2 + \frac{m}{12} = 6$

14. The loss on a blouse sold at sh.13,500 was Sh. 1,500. Calculate the cost price of the blouse.

15. Find the median of the integers given below;
+3, -4, +1, -2, -5.

16. Find the number of 40cm pieces that can be cut from a 24metre wire.

17. 5 books costs sh. 9000. Find the number of similar books that can be bought for Sh.14400.

18. Simplify: $5m - (2m + 4)$

19. A motorist covered a distance of 90km in an hour. Workout the motorist's speed in metres per second.

20. Using a ruler, a pair of compasses and a pencil only construct a line parallel to PQ through point Y.

•Y

P ————— Q

SECTION B : 60 MARKS

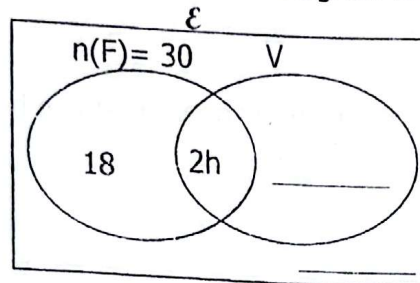
Answer **all** questions in this section.

Marks for each question are indicated in the brackets.

21. In a class, 30 pupils play football (F), 13 pupils play volley ball (V) only, 2h play both games while those who play other games are half of those who play both games.

(a) Complete the Venn diagram below.

(2 marks)



(b) Find the value of h .

(2 marks)

(c) How many pupils are in the class?

(1 mark)

22. (a) State the place value of 5 in 254_{six}

(1 mark)

(b) Find the quotient of the value of 5 by the value of 4 in the number 356748.

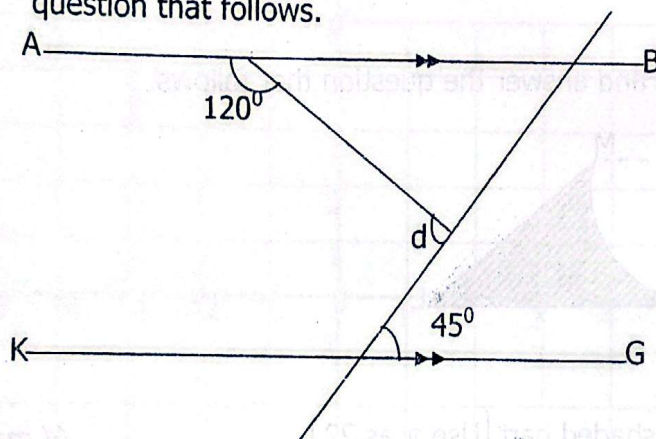
(4 marks)



23. Aaron deposited sh.600,000 in a SACCO which offers a simple interest rate of 5% per annum. After some time, he withdraw sh.690,000
(a) Calculate his simple interest. (2 marks)

- (b) For how long was the money in the SACCO? (3 marks)

24. (a) In the diagram below, line AB is parallel to line KG. Use it to answer the question that follows.



Find the size of angle d.

(3 marks)

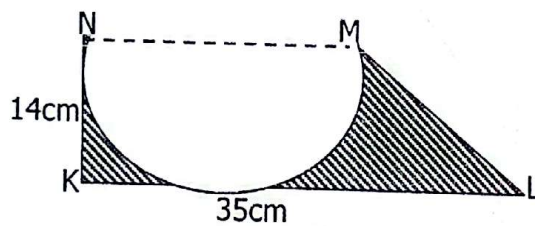
- (b) A regular polygon has an interior angle sum of 1080° . find its number of sides. (2 marks)

25. A man is 8 years older than his wife. Five years ago, their total age was 52 years.

(a) How old is the wife now? (3 marks)

(b) How old will the man be in 10 years time? (2 marks)

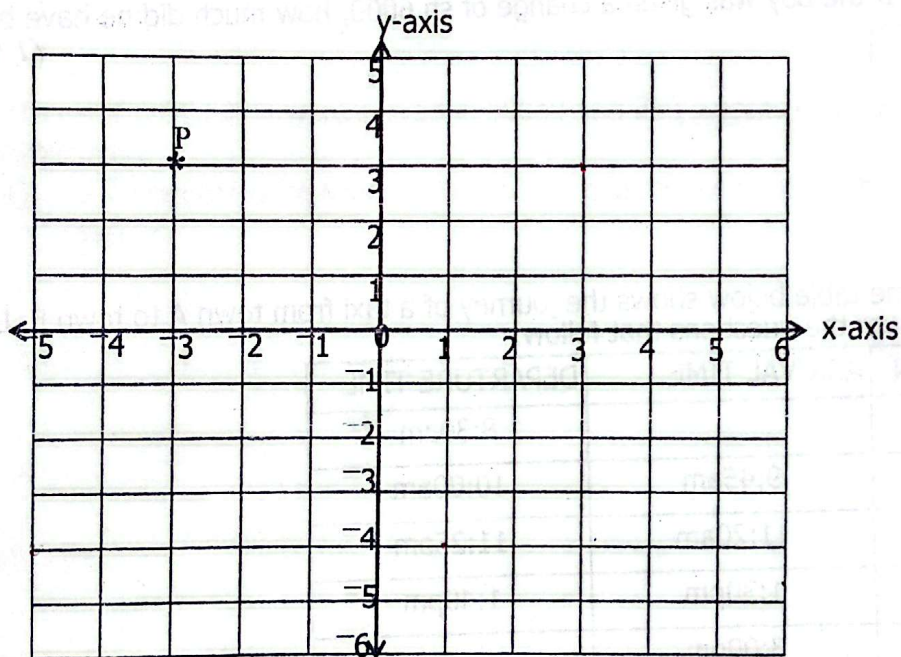
26. Study the diagram below and answer the question that follows.



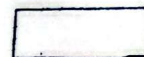
Calculate the area of the shaded part (Use π as $\frac{22}{7}$) (4 marks)

27. A tank was $\frac{5}{6}$ full of water. When $\frac{2}{3}$ of the water in the tank was used, 3600 litres remained. Find the capacity of the tank when completely full. (5 marks)

28. Study the coordinate graph below and answer the questions that follow.



- (a) Write the co-ordinates of point P (1 mark)
- (b) Plot points Q $(-5, -4)$, and R $(+1, -4)$ on the graph. (2 marks)
- (c) Locate point S on the graph, join S to P, P to Q, Q to R and R to S such that PQRS is a parallelogram. (2 marks)



Turn Over

29. A boy went to the market and bought the following items.

3 T-shirts at sh.8000 each

2 belts at sh.5000 a belt

$1\frac{1}{2}$ dozens of books at sh. 2000 a book.

(a) How much money did the boy pay?

(4 marks)

- (b) If the boy was given a change of sh.6000, how much did he have before?
(1 mark)

30. The time table below shows the journey of a taxi from town A to town E. Use it to answer the questions that follow.

TOWN	ARRIVAL TIME	DEPARTURE TIME
A		8:30am
B	9:45am	10:00am
C	11:20am	11:25am
D	1:30pm	1:40pm
E	3:00pm	

- (a) Express the arrival time at town D in 24 hour clock system.

(1 mark)

(b) How long did the bus stay in town B?

(1 mark)

(c) The distance from town A to town E is 390km. Calculate the speed of the taxi for the whole journey. (3 marks)

31. 75litres of orangeade were served in 500ml and 250^{ml} glasses in a party respectively.

(a) If 20 people were served using 500ml glasses, how many litres were served? (2 marks)

(b) Given that the remaining orangeade was served using 250ml glasses, how many people got served in 250ml glasses? (3 marks)

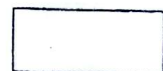
32. Town M is on a bearing of 150° from town N which is 40km away and town P is 60km from town M on bearing of 270°

(a) Draw a sketch diagram showing the location of the three towns. (1 mark)

(b) Using a scale of 1cm to represent 10km, show the location of the three towns on an accurate diagram. (4 marks)

(c) Find the bearing of town P from town N.

(1 mark)



END