

NAKAPIRIPIRIT DISTRICT ACADEMIC COMMITTEE

PRIMARY LEAVING MOCK 2025

MATHEMATICS

Time allowed: 2 hours 15 minutes.

Random No.						Personal No.		

Candidate's Name:.....

Candidate's Signature:

School Name:

District Name:.....

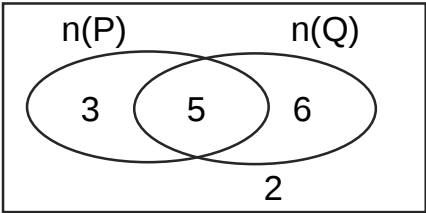
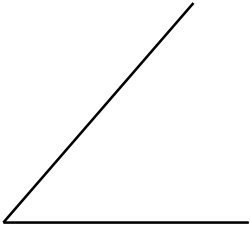
Read the following instructions carefully:

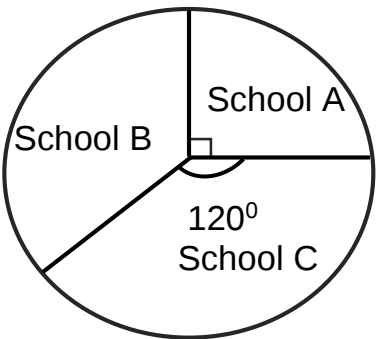
- 1. This paper is made up of two sections: **A** and **B**.
- 2. Section **A** has **20** questions (**40 Marks**)
- 3. Section **B** has **12** questions (**60 Marks**)
- 4. Answer **ALL** questions in both sections **A** and **B**.
- 5. All answers must be written in the space provided in blue or black ball point pens and ink. **Only diagrams should be done in pencil.**
- 6. Unnecessary crossing of answers will lead to loss of marks.
- 7. Any handwriting, which cannot be easily read, may lead to loss of marks.
- 8. Do **not** fill anything in the boxes indicated for Examiners' use only.

FOR EXAMINER'S USE ONLY		
QN. No	MARKS	SIGN
1-10		
11-20		
21-22		
23-24		
25-26		
27-28		
29-30		
31-32		
TOTAL		

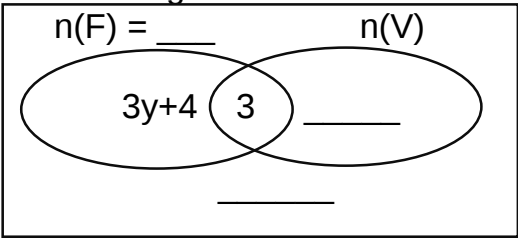
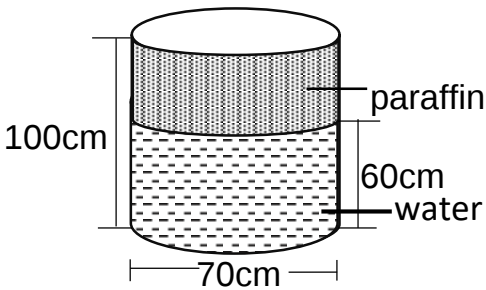
SECTION A (40 MARKS)

1.	Work out; $\begin{array}{r} 2 \quad 4 \\ +1 \quad 2 \\ \hline \end{array}$	2.	Write 14019 in words.
3.	Given that $X = \{p, q, r\}$. Find its number of subsets.	4.	Write 12:20pm in 24 hour clock system.
5.	Simplify $-17 - -9$.	6.	If  represents 12 balls, draw pictures to represent 72 balls.
7.	Simplify; $\frac{m}{4} + \frac{2m}{3}$	8.	The exchange rate for US dollars at a Forex Bureau are; Buying = Ugsh. 3800 Selling = Ug sh. 3850 If Amanda had Ugsh .115500, how much in US dollars did she get?
9.	The ratio of two numbers is 3:5 respectively. If their GCF is 6, find their LCM.	10.	James wound round a wire on a cylindrical tin of diameter 21cm. If it was wound round the tin 40 turns, find the length of the wire.

11.	Study the venn diagram below and use it to answer the questions about it.  Find $n(P-Q)$	12.	Measure the acute angle below. 
13.	The interior angle sum of a polygon is 1440°. Name the polygon.	14.	A motorist left town A and took $2\frac{1}{2}$ hours to reach town B where he reached at 1:30pm. At what time did he leave town A?
15.	How many quarter turns are in 1080°?	16.	Solve for m in; $3m - 1 = 3$ (finite 7)
17.	The range of the temperature of a place is 6°C. If the highest temperature was -2°C, find the lowest temperature.	18.	Simplify; $\frac{1}{4} \div 1\frac{1}{2}$

19.	Circle all square numbers in the list below. 6, 11, 4, 12, 17, 36	20.	The pie chart below shows how different schools shared textbooks. Use it to answer the question about it.  If school C got 60 text books, how many books did school A get?
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SECTION B (60 MARKS)

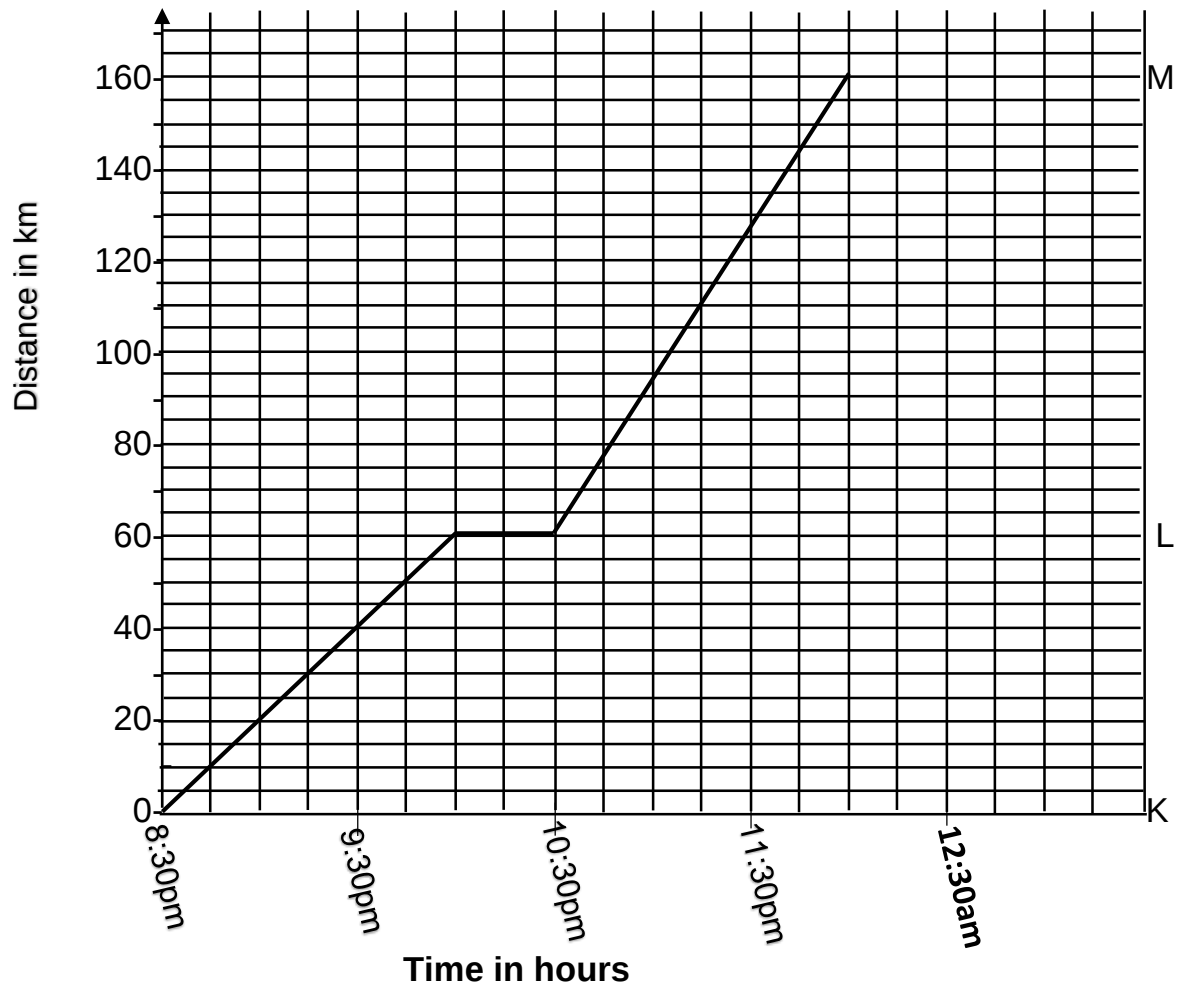
21.	In a class of 36 pupils, $\frac{1}{3}$ of them like Volley ball (V), $3y+4$ like Football (F) only, 3 like both while y do not like any of the two games.		
(a)	Use the information above to complete the venn diagram below. 	(b)	Find the value of y.
(c)	How many pupils like only one game? (06 Marks)		
22.	The figure below represents a cylindrical drum containing water and paraffin. Use it to answer the questions that follow.		
		(a)	How many litres of paraffin are in the tank?

(b)	How many litres of water are in the drum?				(05 Marks)
23.	The interior angle of a regular polygon is 100° more than the exterior angle.				
(a)	Name the polygon.	(b)	Find its interior angle sum.		
				(05 Marks)	
24.	The headteacher went shopping and bought the following items for using in third term.				
	50 manillas at sh. 600 each 3 tins of office glue at sh. 1500 per tin 2 reams of paper at sh. 18000 each A carton of chalk sh. 60000	(a)	Find his total expenditure.		
(b)	If he went with sh.150000, find his change.				
					(05 Marks)
25.	Tap M can fill the tank in 3 hours, Tap N can fill the tank in 2 hours while tap Q can empty the tank in 4 hours. How long will it take for the tank to get full when all the taps are opened?				
(04 Marks)					

26.	Study the work timetable for Mwesigwa and use it to answer the questions that follow.														
	<table><tr><th>Time</th><th>Activity</th></tr><tr><td>6:00am-8:30am</td><td>Preparing breakfast</td></tr><tr><td>9:00am-11:00am</td><td>Digging</td></tr><tr><td>11:15am-1:40pm</td><td>Preparing lunch</td></tr><tr><td>2:00pm-4:00pm</td><td>Making revision</td></tr><tr><td>4:30pm-6:00pm</td><td>Grazing goats</td></tr></table>			Time	Activity	6:00am-8:30am	Preparing breakfast	9:00am-11:00am	Digging	11:15am-1:40pm	Preparing lunch	2:00pm-4:00pm	Making revision	4:30pm-6:00pm	Grazing goats
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(a)	At what time does he start digging?	(b)	How long does he take while preparing lunch?												
(c)	If he digs an area of 24 square metres in 30 minutes, what size of the land does he dig altogether? (06 Marks)														
27.	(a) Write the product of 34.5 and 200 in standard form.	(b)	What number was written in expanded form to give; $(6 \times 10^2) + (7 \times 10^0) + (8 \times 10^{-3})$? (05 Marks)												
28.	(a) Simplify; $5m - (m-4)$	(b)	Solve the equation. $2(w-4) - 3(2-w) = 16$ (05 Marks)												

29.	A referee moved from point M to point N eastwards a distance of 70 metres. He later changed the direction and turned on a bearing of 210° to point Q a distance of 60 metres. (a) Using a scale of 1cm to represent 10 metres, draw an accurate diagram to represent the three positions of the referee. (b) Find the bearing of point M from point Q. (05 Marks)		
30.	Opio bought a jacket and sold it to Olok at sh. 66000 making a profit of 10%. Olok later sold it to Ojok at a loss of 20%.		
(a)	How much money did Opio buy the jacket?	(b)	How much money did Ojok pay for the jacket? (05 Marks)
31.	Three gun men were firing bullets at intervals of 40 seconds, 50 seconds and 60 seconds respectively. If they started firing at the same time, how many minutes did they take to fire together again? (04 Marks)		

32. The travel graph below represents the bus' journey from town K to town M through town L. Use it to answer the questions that follow.



- (a) At what time did the bus arrive at town L?
- (b) How far is town M from town L?
- (c) Find the bus' average speed for the whole journey.

(05 Marks)

END