## KOLFRAM EDUCATIONAL SERVICES KAMPALA



NATIONAL PRIMARY LEAVING MOCK EXAMINATION

2023

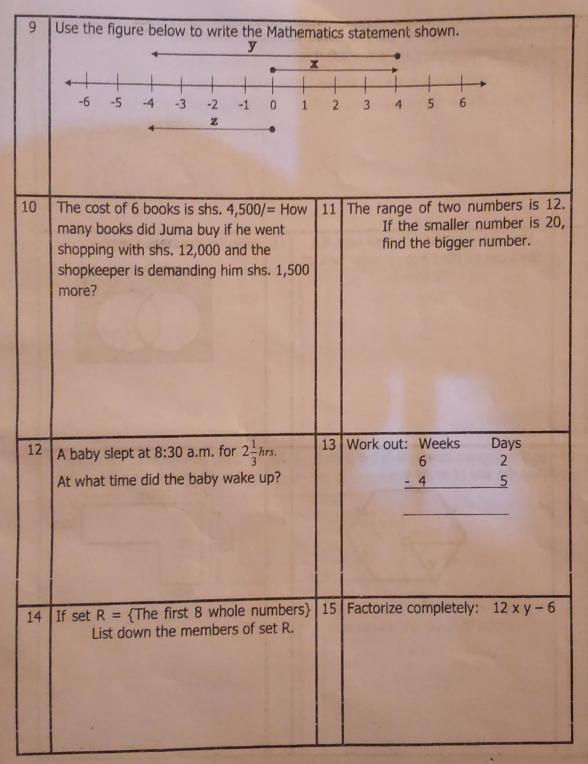
## MATHEMATICS

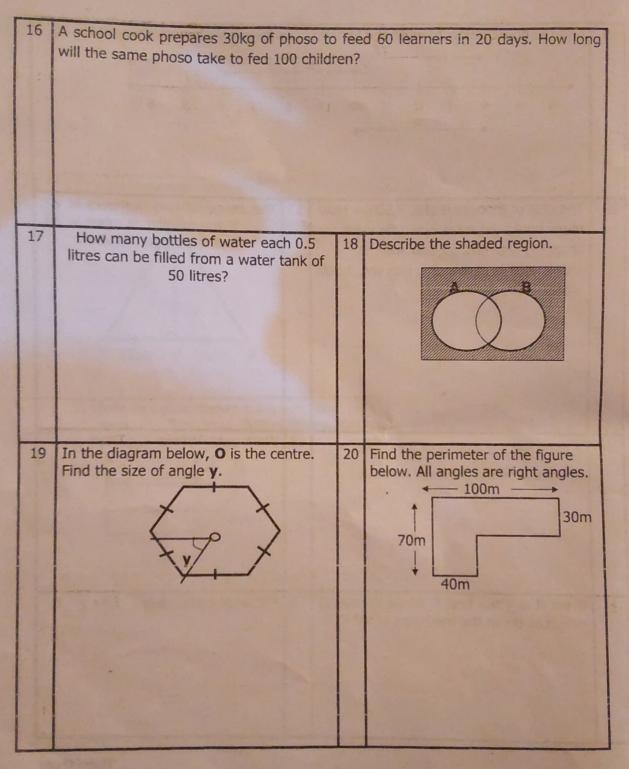
Time allowed: 2 hours 30 minutes						
Index Number:	Random	Numb	er	al Number		
Candidate's Name:						
Candidate's Signat	Candidate's Signature:					
School ID:						
District ID:						
DO NOT OPEN THIS BOOKLET UNLESS YOU ARE TOLD TO DO SO						
Read and follow these instructions carefully:			FOR EXAMINER'S USE ONLY			
Do not write your <b>school</b> or <b>District name</b> anywhere on this paper.			The state of the state of			
2. This paper has <b>two</b> sections: A and B. Section A has <b>20</b> questions and section B has <b>12</b>		QN. NUMBER	MARKS	EXAMINER'S INITIAL		
	questions. The paper has 10 printed pages.		1 -5			
3. Answer all questions. All answers to both sections A and B must be shown in the spaces provided.		6 - 10				
4. All answers must be	written using a blue	or	11 - 15			
black ball point pen or ink. Any answer written in pencils other than on graphs and diagrams will not be marked.		16 - 20				
5. No calculators or ele	ectronic pens are all	owed	21 - 23			
in the examination ro	om.	113	24 - 26			
6. Unnecessary changes handwriting that cannied to loss of marks.	not easily be read m	ay	27 - 29			
7 Do not fill anything in	the table indicated		30 - 32			
"FOR EXAMINERS' USE ONLY" and boxes inside the question paper.		TOTAL				

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**Turn Over** 

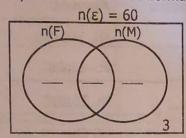
	SECTION A:	(40	MARKS)
1	work out: 63 +27	2	Change 10010 <sub>two</sub> to be base ten
3	Arrange the following numbers beginning with the largest and ending with the smallest; 0.7070, 0.0707, 7.700, 7.070		A farmer has a roll of string 900 metres long. He cuts it into equal pieces, each 50 metres long. How many pieces does he get altogether?
5	Express Shs. 300 as a percentage of Shs. 1200.	6	Change 18km/hr to m/sec.
7	The average weight of 5 boys is 48kg. When a sixth boy joins them average weight becomes 45kg. What is the weight of the sixth boy?	8	Mr. Kawuuta banked 20000 sh. notes numbered from AP004300 to AP004399 consecutively. How much money did he bank?





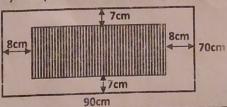
## SECTION B

- At a birthday party attended by 60 guests, 40 took Fanta (F), x took Mirinda (M), 30 took the two types of Soda and 3 guests did not drink anything.
  - (a) Represent the above information in the Venn diagram below. (3 marks)



- (b) How many pupils took Mirinda? (2 marks)
- (c) How many guests took only one type of soda? (1 mark)

22 A piece of cloth is laid on a table 90cm long and 70cm wide as shown in the figure below. The area covered by the piece of cloth is shaded.



- a) Find the length and width of the piece of cloth.
- b) Find the area of the table that is not covered by the piece of cloth.

23	Mr. Kalinda went to the bank and filled in the form below.

good to Ba	nk of Baroda (Deposit fo	orm)
Denominations	Number of notes	Amount
Shs. 50000	5	Sh. 250,000
Shs. 20000	2	Sh. 40,000
Shs. 10000	(i)	Sh. 30,000
Sh. 5000	(ii)	(iii) Sh
Sh. 2000	(iv)	Sh. 20,000
Sh. 1000	10	Sh. 10,000
Tota	al amount	Sh. 400,000

(a) Complete the table.

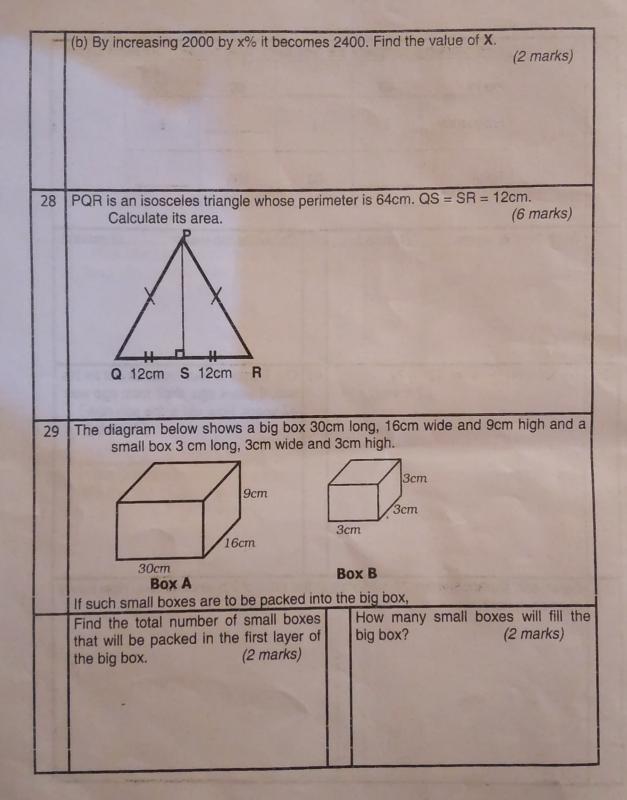
(1 mark each)

24 (a) Using a ruler, a pencil and a pair of compasses only, construct a rhombus ABCD with  $\overline{DC} = 6$ cm and angle ADC =  $60^{\circ}$ . (4 marks)

(b) Measure diagonal AC.

(1 mark)

125	Va) Hains	1						((-)
25	(a) Using	g clear working, complete the frequency table below. (1 mark each)			nark eacn)			
		Marks	40			60	20	
		Frequency	2	1			1	
		Total		50		300		
	Work out th	ne range.	(1 mark)		Cal	culate the m	ean.	(2 marks)
26	26 (a) Solve:4y - 6 = 12 - 2y (2 marks)		b)	son	Our Bursar is four times as old as his son. 4 years ago, their total age was 42 years. How old is the son now? (2 marks)			
27	Sarah and does each	Mariam share	d 72 mang	oes in	the ra	atio of 7:5 res	spectively.	How many
								with the same



	How many layers will fill the big box? (1 mark)
30	In a primary six class, 1/3 of the pupils were absent on Friday and 80% of the
	pupils were present on Saturday. If 10 more pupils were absent on Friday than Saturday, how many pupils were in the class altogether?  (4 Marks)
19	
21	The man of the course 7, 10, F, 4 and V is 0
31	The mean of the scores 7, 10, 5, 4 and X is 8.
(a)	Find the value of <b>X</b> . (2 marks) b) Work out the medium score. (2 marks)
133	NAME OF THE PARTY
33	The second secon
c)	Find the probability that a score picked a random is below the mean. (1 mark)
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