KOLFRAM EDUCATIONAL SERVICES KAMPALA



NATIONAL PRIMARY LEAVING MOCK EXAMINATION

2023

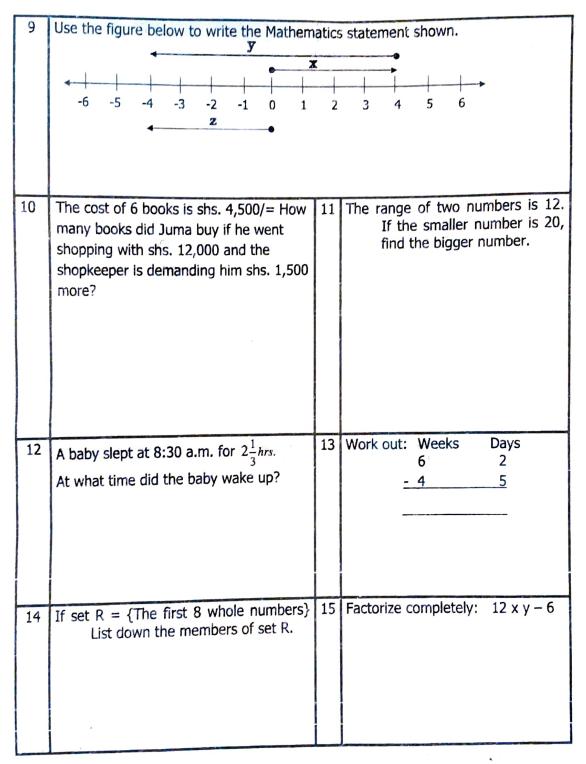
MATHEMATICS

Time allowed: 2 hours 30 minutes						
Index Number:	er	Personal Number				
Candidate's Name: Candidate's Signature: School ID:						
District ID: DO NOT OPEN THIS BOOKLET UNLESS YOU ARE TOLD TO DO SO						
Read and follow these in 1. Do not write your scho			FOR EX	AMINER'S	S USE ONLY	
 anywhere on this paper. This paper has two sections: A and B. Section A has 20 questions and section B has 12 questions. The paper has 10 printed pages. 			QN. NUMBER	MARKS	EXAMINER'S INITIAL	
 Answer all questions. All answers to both sections A and B must be shown in the spaces provided. 			6 - 10			
. All answers must be written using a blue or black ball point pen or ink. Any answer written in pencils other than on graphs and diagrams		11 - 15				
will not be marked.5. No calculators or elect	ronic pens are allo	1	21 - 23			
in the examination room 6. Unnecessary changes in handwriting that cannot	your work and	ay	24 - 26 27 - 29			
lead to loss of marks. 7. Do not fill anything in the	ne table indicated	.	30 - 32			
"FOR EXAMINERS' USE ONLY" and boxes inside the question paper.						

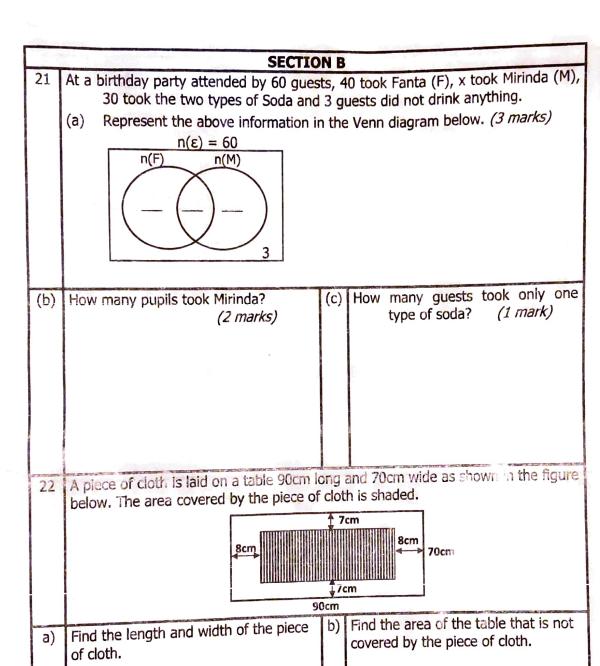
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Turn Over

	SECTION A: (40 MARKS)					
1	work out: 63 +27	2	Change 10010 _{two} 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?			



	16	Acab		
	10	A school cook prepares 30kg of phoso to	fee	d 60 learners in 20 days. How long
		will the same phoso take to fed 100 childs	en?	1
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N COLUMN				
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	17	How many bottles of water each 0.5	18	Describe the shaded region.
		litres can be filled from a water tank of		
		50 litres?		
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-	10		-	
ı	19	In the diagram below, O is the centre.	20	, ,
		Find the size of angle y.		below. All angles are right angles.
				. ← 100m —
) <i>></i> ~		30m
		()		70m
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Bank of Baroda (Deposit form)							
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)

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

(b) Measure diagonal AC.

(1 mark)

25	(a) Using	clear working	complete	tho f	201101	acutable bel	OW (1 m	nark each)
	("," ==	CICAL WOLKING	, complete	uen	equei	lcy table bei	Ow. (277	
		Marks	40			60	20	
		Frequency	2	1			1	
		Total		50)	300		
	Work out th	ne range.	(1 mark)		Ca	lculate the m	nean.	(2 marks)
26	(a) Solve:4	4y - 6 = 12	- 2y ? marks)	b	son	r Bursar is fo n. 4 years ag years. How o	o, their tota old is the so	al age was
							·	
27	Sarah and does each	Mariam share get?	d 72 mang	oes in	the ra (3	atio of 7:5 res 3 <i>marks)</i>	spectively.	How many
								ļ
	,						1	enda en la

-	(b) By increasing 2000 by x% it becomes 2400. Find the value of X . (2 marks)
28	PQR is an isosceles triangle whose perimeter is 64cm. QS = SR = 12cm. Calculate its area. (6 marks) Q 12cm S 12cm R
29	The diagram below shows a big box 30cm long, 16cm wide and 9cm high and a small box 3 cm long, 3cm wide and 3cm high. 9cm 3cm 3cm 3cm 3cm 3cm 3cm 3cm 3cm 3cm 3

	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)
31	The mean of the scores 7, 10, 5, 4 and X is 8.
a)	Find the value of X . (2 marks) b) Work out the medium score. (2 marks)
a)	Work out the medium score. (2 marks)
	ALEX.
c)	Find the probability that a score picked a random is below the mean. (1 mark)

