## **MATHEMATICS**

Time Allowed: 2 Hours 30 Minutes

	·		-1
Index No.:			
	3.3		
Candidate's Name:		<u> </u>	
School Name:			-
Archdeaconry:	- t		
Read the following in	structions carefully.		

- This paper has two sections: A and B. Section A has 1. 20 questions (40 marks) and section B has 12 questions. (60 marks)
- All the working for both sections A and B must be shown in the spaces provided.
- All working must be done using a blue or black ball з. point pen or ink. Any work done in pencil other than graphs and diagrams will not be marked
- No calculators are allowed in the examination room 4.
- Unnecessary changes of work may lead to loss of 5. marks.
- Any handwriting that cannot be easily read may lead 6. to loss of marks.
- Do not fill anything in the boxes indicated: "For 7. Examiner's Use Only" and those inside the question paper.

"FOR EX	KAMINER'	S USE ONLY"	
Qn. No.	MARKS	EXR'S NO.	
1-5			
6-10			
11 - 15	1 1	il in the second	
16 - 20	1		
21 - 22			
23 - 24	·		
25 - 26			
27 - 28			
29 - 30			
31 - 32			and the same
TOTAL			

SECTION	A: (40	OMARKS)
1. Work out: 364 – 121	4	In the venn diagram below shade
2. Simplify: 7 – 4 (3h + 8)	5.	The temperature of a certain place was increased by 4°c to -12°c. What was the temperature initially?
Atim is 94 years old. Express her age in Roman numerals.	6.	Find the value of 8 in the number 58,374.

7.	A bus from Jinja reached Kampala at 1:20pm. If it took 2hours and 46		, and a second s
	1:20pm. If it took 2hours and 40	1.5	
	minutes to reach Kampala, at what time did it leave Jinia?	10	Tap K takes 3 minutes to fill the
	time It is reach Kampala		tank. Tap H takes 4 minutes to
7.1	time did it leave Jinja?		empty the same tank. How long
	- Juliar	1	would it take the same tank to be
		1	would it take the same take to be
	And the Marian Control of the Contro	1	full if both taps are left open?
i		1	2 1
	5.4.5	i	
		1	1
	*	İ	
Marine !			
			1
		ļ	]
		i	
	2 1 90 5		
C			
1			
	4 91 7	١	
18.			
	A A A A B	ì	
8.	Solve for $y: 4 = 3y$ (finite 5)	-	
	y. 4 = 3y  (finite 5)	11.	Find the next number in the
		i	sequence below.
		1	
		1	1, 2, 4, 8, 16,
		1	1, 2, 4, 8, 10,
	*	1	
		1	
		i	
		ł	
		- 1	
	h.	1	
			1 14 C - Calded
9	Find the GCF of 12 and 15.	12	. Cards marked 1 to 9 are folded
			and put in a tin and then mixed
			up. What is the probability of
			up. What is the probability of
		i	picking a card at random that is
			marked with a prime number?
	and the second of the second o		
	•	10.	
		huras	
		11	
		1	Committee of the commit
	The state of the s		though a grant and a state of
		- 7	14 C 5/A

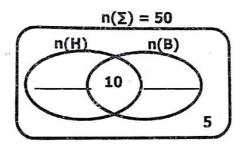
13.	Using a pair of compasses, ruler and pencil only, construct an angle of 30° in the space provided below.	16.	How many lines of folding symmetry does the given figure below have?  5cm 6cm
14.	Set K = {3, 4, 5}. Find the number of proper subsets in set K?	17	Ssebuliba and Mukhola shared mangoes in the ratio of 3:4 respectively. After Mukhola eating a third of his share, they both remained with 34 mangoes. Find Ssebuliba's share.
13	The following angles: 2mº, mº, and 3mº lie on the straight line. Find the value of m in degrees.	18	Mwebesa had banknotes numbered from BD324456 to BD324753. If each banknote was worth ten thousand shillings. How much money did Mwebesa have?
377 - S	THAT I STEED AND THE STEED AND	10.	

The mean of 2k – 1, 5, k 11. Find the value of k	and 4k – 2 is 2	20.	Given that USD 1=Up How much money in shillings can one get 300?	i Uganda
	65		14	
İ	Va .		1	
	1			
	1			

SECTION B. (60 MARKS)

- 21. In a club of 50 members, k play Hockey (H), 30 play Baseball (B), 10 play both games while 5 do not play any of the two games.
  - (a) Complete the venn diagram below using the information given above.

(02marks)



(b) How many members play Hockey only?

(03marks)

22	(a) Using a pair of	compasses a ruler	and a pencil only, constru- 45° and side KM=6.5cm.	t a triangle KLM (05marks)
	men angle KLM	1=60°, angle KML=	45° and side KM=6.5cm.	
- 1				
i				
- 1		3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
ĺ				
	300			. 76
			The second second	
SCHARE.	11 18			
7767			The second secon	
3 (a	) Workout: <u>0.09</u> -	+ 0.04	and the second	(03marks)
and the same of th	0.59 -			
The mark			The state of the s	
Ĭ				
ļ				
1		107 177		
1				
1				

(b) Simplify: $\frac{1}{2} - \left(\frac{1}{4} + \frac{1}{3}\right) x \frac{3}{4}$ (a) Find the additive inverse of	6.	(03marks)
	6.	(02marks)
(a) Find the additive inverse of	6.	(02marks)
(a) Find the additive inverse of	6.	(02marks)
(a) Find the additive inverse of	6.	(02marks)
(a) Find the additive inverse of	6.	(02marks)
(a) Find the additive inverse of	6.	(02marks)
(a) Find the additive inverse of	6.	(02marks)
(a) Find the additive inverse of	6.	(02marks)
(a) Find the additive inverse of	6.	(02marks)
of the inverse of	6.	(UZIIIAI KS)
gran gran	. 79	
(b) A lady was born in 25BC and	died in 15AD. At what age did s	she die?
(-) and was sorn in 2500 and	I died in 1971. The what ago arm	(02marks)
	10000000000000000000000000000000000000	
(a) Workout: 1 ÷ 3 (finite 7)		(02marks
(a) WOIROULT . 5 (IIII-5-7)		
	ſ	
		and the second
		7
	a) Workout: 1÷ 3 (finite 7)	(b) A lady was born in 25BC and died in 15AD. At what age did s  (a) Workout: 1÷ 3 (finite 7)

		How many visitors di	u ne nave.	(03mark
İİ				
n de la servició La Maria de la Carlo	paralle content of the second			
26 G	ven the numb		·	
	ven the number ) Write the place	<b>42.537.</b> Evalue of <b>3</b> in the give	n number above.	(01ma
Marti indirentara	•			
CHILLIAN SAT				
(b)	Find the productive.	t of the value of <b>4</b> and	place value of <b>7</b> in th	ne given number (03mark
		e van de state de sta	part of the compressions of the the	17.1 17.1 18.2
11 J. i				
1				

27.	Aidah Brid	
	Aidah, Bridget and Carol contributed certain amount of money is 5:3:7 respectively. Given that both Aidah and Carol contributed (a) Find their total contribution.	n the ratio of sh. 360,000, (03marks)
	• 500	
1		
	to a section.	
sales -		
		ĺ
	(b) How much money did a	(02marks)
	(b) How much money did Carol contribute than Aidah?	(UZIIIAI NO)
- 3		A
- 13		TO DESCRIP
1-1212		
28.	The state of the market and bought the following realist	LANGE CO.
	2kg of meat at sh. 12,000 each kg	SCANTO
1	$ > 1\frac{1}{2}$ kg of rice at sh. 4,800 each kg	
	> 12 mangoes at sh. 3,000 for every 2 mangoes	
	> 500g of millet flour at sh. 2,000	(04marks)
1	(a) Calculate his total expenditure.	(04marks)
1		
3	Committee of the commit	
		, !
	AND THE PARTY OF T	
		TAMES OF THE PARTY

yet est enough	(b) If he was given 10% discount, how much did he pay?	(01mark)
177	The Constraint of Market Marke	
119/19	197 197 197 198 198 198 198 198 198 198 198 198 198	1
1		
29.	A motorist uses 6 W	
	A motorist uses 6 litres of fuel to cover 48 kilometres.  (a) What distance like	(02marks)
	(a) What distance did he cover with 40 litres of fuel?	(UZIIIAI NS)
	is the second of	
- 1		
!		
İ	(b) Hamza covered a certain distance at 32km/h in 3 hours. How	much monor
	did he spend on fuel for the whole journey if each litre costs sh.	5 200?
Mary 1	who is journey it each fife costs sin.	(03marks)
, in the second		(oomana)
Trice		
A STATE OF THE STA		
POLICE		
ğ		
i		
. In	the Course hall Margar	
.   III	the figure below XYZ is a straight line. Angle WXY = $f$ , angle $f$ angle	WY = (2f + 20)
an	d angle $WYZ = (f + 80)^0$ . Use it to answer the questions that f	ollow.
	VV	
1	(2f+20) \	
1		
	/) f° (f+80)°	
1	V	
	X Y Z	
VOR	TH ANKOLE DIOCESE EXAMINATIONS DEPARTMENT	ENDING SELECTION

(a) Find the value of f in degrees?	(0	3marks)
or in degrees?		
	allie and	
1.20		
The second of th		
well than the		
(b) Workout the size of angle WYX	(	02marks)
		,
1. A businessman banked sh. 600,00	00 on his fixed account at an interes	t rate of
10% per annum for 6 months.		
(a) How much interest did he ear	n after 6 months?	(03marks)
i	Y	

	(b) Calculate the amount of money he got from his account after 6n	nonths? (02marks)
32.	Below is a culin land	
	Below is a cylinder. Use it to answer the questions that follow.	
	14cm	
	2000	
	20cm	
	(a) Calculate its base area.	(02marks)
į		
-		
- 1		
1		
i	(b) Find the capacity of the cylinder.	(03marks)
- 1		(**************************************
- 1		
-		