BBROAD EXAMINATIONS®

P.6 MATHEMATICS EXAMINATION TRIAL SET I TERM III 2024

Time allowed: 2 hours 30 minu	tes		
Pupil's Name.		Landandii Godoo	
School Name:			
District Name:			
Read the following instructions carefully:		-	17
1. This paper is made up of two sections: A and B.	FOF	R EXAMINE USE ONLY	CRS'
2. Section A has 20 questions (40 Marks)	PAGES	MARKS	SIGN
3. Section B has 12 questions (60 Marks)	Page 2		
4. Answer ALL questions in both sections A and B.		100000	
5. All answers must be written in the space provided in	Page 3	THE PARTY	63.5
blue or black ball point pens and ink. Only diagrams	Page 4	we ton	
should be done in pencil.	rage 4	A 141 A 241 A 241	Call September
6. Unnecessary crossing of answers will lead to loss of marks.	Page 5	Total Marie	74
7. Any handwriting, which cannot be easily read, may lead to	Page 6		11111
loss of marks.	Page 7		
8. Do not fill anything in the boxes indicated for	Tage /	mea	
Examiners' use only.	Page 8		
	TOTAL		
		1	
Teacher's comment to the learner			
Stop Stop			
	Approved		
	Approved	0	

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P.6 Mathematics Trial Set I Term III 2024

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Team Head Mathematics Department

SECTION .A. (40 Marks)

1.	Add: 4 7 _+5 4	2.	Write 948 in words.
	etire inentatăre le site modasm edi site.	13	
3.	Work out: $\frac{5}{12} - \frac{1}{8}$	4.	Simplify; 11 - 8
5. M	Given that; set LOM = {1, 2, 3, 4, 5, 6, 7, 8, 10}, set M = {2, 4, 6, 8, 10} and M - L = {6, 8, 10}, list the elements of L.	6.	Find the next two numbers in the sequence 3, 5, 7, 9,,
7.	A goat moved around the rectangular garden below once. What distance did it cover? 50m 85m	8.	A Youth Seminar started at 10:40am and ended at 2:10pm. How long did the seminar take?
9.	Enoth had a twenty thousand shilling note and changed it into sh.500 coins. How many coins did he get?	10.	Find the size of angle marked K. 1350 K

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Page 2 of 8

11.	Express XCIX in Hindu-Arabic	12.	Write 231 _{five} in words.
	muller ats.		
13.	Kakuyo is twice as old as Jumbe. If their total age is 72, how old is Jumbe?	14.	Write the mathematical statement shown on the number line below.
	A fruiterer sold the following number of passion fruits in a week. 60, 42, 50, 60, 60, 30. Find the modal number of fruits sold.	16:	and 9. Find the number of subsets in set M.
	The LCM of two numbers is 60, their GCF is 4. If one of the numbers is 20, find the second number.		Jordan and Peter shared some sweets in the ratio of 3:5 respectively. If Peter got 10 sweets, how many sweets did they share altogether?
19.	Express 18 km/h to m/sec.	20.	Itungo deposited sh. 15,000 in Kid's association that offers an interest rate of 3% per month for 6 months. How much interest did she get?

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P.6 Mathematics Trial Set I Term III 2024

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	SECTION	ON .B	. (60 MARKS)
21.	The venn diagram below shows the I Football Club. Use it to answer quest $\Sigma = 0$	egs L	ised well by players in Young Stars
	Right Left		
	3r+2 2+r 2r-1		A PAGINET STATE OF THE PAGE OF
(2)	If 16 players use the right less wall	(6)	How many players are in the club
(a)	If 16 players use the right leg well, how many players use both legs?	(b)	altogether?
	the Colonia Land by the Colonia		She if the same and in the same
1 6	mercied medican elania la rece el Ma	30	THE WORK OF SHEET
	d at Find the number of subsets in set		Araw a pl smith mines. To me and
(c)	If a player is chosen from the club at r probability of choosing a player who u		
	or calculate of the policy of the experience of		AT THE PART OF A CASE OF A
- ou			The second secon
			(06 Marks)
22.	(a) Convert 421 _{five} to base ten.	(b)	What base five number has been expanded to give $(1x5^2) + (3 \times 5^1) + (2 \times 51^0)$?
	ingo deposited str. (5,000 in Kid's		A TOUR DE DIED DE DES DE LA COMPANIE
	sociation that offers an interest rate or		
	790, 362, 013, 323, 51		
			(05 Marks)

Page 4 of 8

23.	The median of four consecutive even	num	bers is 33.
(a)	Find the numbers.	(b)	Find the sum of the numbers,
			(05 Marks)
24.	A car uses 8 litres of petrol to cover	56kn	
(a)	What distance does it cover if there are 12 litres of petrol in its tank?	(b)	How many litres of fuel does it consume if it covers a distance of 98km?
			(04 Marks)
25.	The figure below is a cuboid. Study a	and u	
	7cm 5cm	(a) Work out the volume of the cuboid.
(b)	Calculate the area of the shaded	(c)	How many edges does the figure above
	face.	00	have?
	Policies Control of the Control of t		(05 Marks)

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26.	In a school, 60% of the pupils are girls	and t	the rest are boys.
(a)	If there are 120 boys in the school, find the number of pupils in the school.	(b)	How many girls are in the school?
	nova est extended		
			(05 Marks)
27.	(a) Using a ruler, a pencil and a pair triangle in a circle of radius 3.5 cm.		mpasses only, construct an equilateral
1000	They amperature of victor was 10% as		30 may know knowed 5 meet in Post
	portion it increased to 350 at the		
	Visionary Find the increase in		risht in houseng and entitle (sexual in the
	at our rend of		Worl State
	THE PARTY OF THE P		The state of the s
			TO VALUE OF THE PARTY OF THE PA
	(b) Measure the length of each side of	the t	riangle.
			(05 Marks)
28.	Swizin left home at 7:30 am and cyc	led to	the town at a steady speed of 40 km/h.
	He reached the town at 9:00 am and home through the same route.	rest	ed for 20 minutes before he went back
(a)	How long did he take to travel from home to town?	(b)	If it took him 1 hour and 30 minutes to go back home, calculate the average speed for the whole journey.
		15.83	
1		1	
		1	
139			(06 Marks)

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	Laureen wer	nt shopping and bought	the item	s indicated in th	e table. Domine and
	Item	Quantity Vices Vic	Unit C	ostoonagana	Amount
	Sugar	$2\frac{1}{2}$ kg	sh. 60	00 per kg a shoud	Sharana ent ente
	Bread	loaves	sh. 60	00 per loaf	sh. 12000
	Milk	3 litres	sh.		sh
	Omo	500g	sh	per kg	sh. 3000
		Total			sh. 34500
(4)	Complete the	table correctly.			
		oasses only, construct	*	mp 3.5 cm	(05 Marks)
30.	2 steps backw	pped 5 steps in front, yard and other 3 steps the position of the	m af	ne temperature of orning. It increas ternoon. Find the mperature.	f water was 10°c in the ed to 35° in the increase in
		ingle:	stored to	gth of each side	(b) Measure the len
		ingle	of the urs	gth of each side	(b) Measure the len
Arts.	ACTO	ne the about a firm of an	let back	t 7:36 sin and cv	s emon the n(04 Marks
1.	(a) Solve; 15 +	ne the about a firm of an	of back	o bes mis 88:T 3	(04 Marks n = 3 and n = 4, find the
1.	(a) Solve; 15 +	ne the about a firm of an	(b) Gi va	ven that m = 5, r	s emon the q(04 Marks
1.	(a) Solve; 15 +	y = 32 saturated 25 not to the country must stood to the country must	(b) Gi va	ven that m = 5, r	= 3 and r = 4, find the
	(a) Solve; 15 +	y = 32 saturated 25 not to the country must stood to the country must	(b) Gi va	ven that m = 5, r lue of; had small mnr vena of s	= 3 and r = 4, find the
1.	(a) Solve; 15 +	y = 32 saturated 25 not to the country must stood to the country must	(b) Gi va	ven that m = 5, r lue of; had small mnr average s	= 3 and r = 4, find the

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P.6 Mathematics Trial Set I Term III 2024

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