

## BROAD EXAMINATIONS®

## P.6 MATHEMATICS EXAMINATION MID - TERM II 2024

upil's Name:		***********	51666
chool Name:	***********	*********	riceres
District Name:	+614+614+4144	(************	******
Read the following instructions carefully:	FOR	EXAMINE	RS'
1. This paper is made up of two sections: A and B.		USE ONLY	
2. Section A has 20 questions (40 Marks)	PAGES	MARKS	SIGN
Section B has 12 questions (60 Marks)      Answer ALL questions in both sections A and B.	Page 2		erproducity (permitted by a state of
5. All answers must be written in the space provided in	Page 3		n jandyn-mei melynes a silfa a' we' '
blue or black ball point pens and ink. Only diagrams should be done in pencil.	Page 4		2 Mg 40
<ul><li>6. Unnecessary crossing of answers will lead to loss of marks.</li><li>7. Any handwriting, which cannot be easily read, may lead to</li></ul>	Page 5		ne reactivities unitratività
loss of marks.	Page 6		
8. Do <b>not</b> fill anything in the boxes indicated for Examiners' use only.	Page 7		4.4
	Page 8		
Teacher's comment to the learner	TOTAL		***************************************
***************************************	Approve	id hu-	

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P. 6 Mathematics Mid - Term II 2024
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## SECTION.A. (40 MARKS)

1.	Multiply: 24 x 3	2.	Write the base ten number represented by the bundles below.
3.	Express 35 days as weeks.	4.	Work out: kg g 3 700 + 2 500
5.	Shade (A-B)' in the venn diagram below.	6.	Use >, < or = to complete the statements below.  (a) 4 +2  (b) 3 6
7.	Using a pair of compasses, construct an angle of 60° in the space below.	8.	Write the next number in the sequence below.  3, 6, 12, 24, 48,
9.	Express $\frac{1}{8}$ as a percentage.	10.	Add: 2 3 2 <sub>five</sub> + 2 1 3 <sub>five</sub>

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P.6 Mathematics Mid - Term II 2024
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arta Sin	Arnold recorded the number of books in his bag using tally marks as below.  ### ### ### ####	12.	A dozen of counter books cost sh.48000. What is the cost of 8 books?
	How many books did he record?		
13.	Find the difference between the	14.	Express 1100ml as litres.
	largest and smallest 3-digit numbers formed using digits 3, 0 and 5.		
		1	te 1 Million 1 - Control of the
			254 BUG 10 144
15.	Use the venn diagram below and answ	er the	question about it.
	List the e	lemen	ts of X ∪ Y
16.	$\left(\begin{array}{cc} 2 & 4 \\ 3 \end{array}\right)$	lement	
16.	A patient's normal body temperature reduced by 3°C. Find the patient's		Siven that F90 = $2^1 \times y^2 \times 5^1$ , find the

Broad Educational Consult 2024. Tel: 0486 - 442077, 0786-659301, 0772-864523. Page 3 of 8
P.6 Mathematics Mid - Term II 2024

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The second second	Round off 42.56 to the nearest whole	19.	In a school, the ratio of boys to girls is
	number.	19.	5:4 respectively. If there are 360 pupils
		100	in the school, how many girls are in the
	STATEMENT NO SOL	100	school?
	The state of the s	. 1	Programme and the second second second
	2005		
	Company of the		
			Deal a Vive
0.	The graph below the set		1.00.67 (4.00.)
	the question that follow.		the market. Study it carefully and answer
	(F) 6000 (E) 4000	How r	nuch money can one pay for 5 apples?
	£ 4000	d 7	A CONTRACT OF THE SECOND
	<u>8</u> 2000		the same the forest property of the same of the
			THE RESERVE OF THE STREET STREET, STREET
	2 4 6		The process was a state of a
	No. of apples		The Samuel of the Samuel of the
	SECTION	.B. (6	60 MARKS)
1 1			ובאורוואו סי
1.	The venn diagram below shows number	of nec	onle who took Fanta (F) and Mind I
	at Catherine's baptism party. Use it to a	of pec answei	ople who took Fanta (F) and Mirinda (M) r questions that follow.
-	at Catherine's baptism party. Use it to a	of pec answei	onle who took Fanta (F) and Will I
	The venn diagram below shows number at Catherine's baptism party. Use it to a $n(F) = 15$ $n(M)$	of pec answei	ople who took Fanta (F) and Mirinda (M) r questions that follow.
	at Catherine's baptism party. Use it to a	of pec answei	ople who took Fanta (F) and Mirinda (M) r questions that follow.
3	The venn diagram below shows number at Catherine's baptism party. Use it to a $n(F) = 15 \qquad n(M)$ $10 \qquad 2x - 1 \qquad 2x + 1$	of pec answei	ople who took Fanta (F) and Mirinda (M) r questions that follow.
3	The venn diagram below shows number at Catherine's baptism party. Use it to a $n(F) = 15$ $n(M)$	of pec answei	ople who took Fanta (F) and Mirinda (M) r questions that follow.
3	The venn diagram below shows number at Catherine's baptism party. Use it to a $n(F) = 15 \qquad n(M)$ $10 \qquad 2x - 1 \qquad 2x + 1$	of pec answei	ople who took Fanta (F) and Mirinda (M) r questions that follow.
	The venn diagram below shows number at Catherine's baptism party. Use it to a $\frac{n(F) = 15}{10  2x - 1} \frac{n(M)}{x}$	of peo answer (a)	ople who took Fanta (F) and Mirinda (M) r questions that follow. Find the value of x
	The venn diagram below shows number at Catherine's baptism party. Use it to a $ \frac{n(F) = 15}{10  2x - 1}  2x + 1 $ How many people took Mirinda	of peo answer (a)	ople who took Fanta (F) and Mirinda (M) r questions that follow. Find the value of x
	The venn diagram below shows number at Catherine's baptism party. Use it to a $ \frac{n(F) = 15}{10  2x - 1}  2x + 1 $ How many people took Mirinda	of peo answer (a)	ople who took Fanta (F) and Mirinda (M) r questions that follow. Find the value of x
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Broad Educational Consult 2024. Tel: 0486 - 442077, 0786-659301, 0772-864523. Page 4 of 8

P.6 Mathematics Mid - Term II 2024

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	(4)	Simplif	V:	+ 1	Mark Francisco	10.	W. L. C. 70
			$y: \frac{2}{5} - \frac{1}{2}$	3		(b)	Work out: <u>0.72 x 0.4</u>
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					100	100	
		(1000)			the sections		(05 marks)
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			28		2		
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	ev fir Af re	rery 2 w rst week ter how port at	eeks and of April many w school t	d 3 wee l; veeks w ogether	ks respectivill they again?	(b)	After how many days will they report at school together again?  (4 marks)
(a) 25.	ev fir Af re	rery 2 w rst week ter how port at	eeks and of April many w school t	d 3 wee l; veeks w ogether	ks respectivill they again?	(b)	After how many days will they report at school together again?
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P.6 Mathematics Mid - Term II 2024

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(a)	Find the distance around the figure.	en programme	The should
	and the figure.	(b)	Calculate the area of the figure above.
26.	(a) In a class of 36 pupils, there are	Tribe.	(05 marks)
	12 desks. How many pupils sit on each desk equally?	(b)	Nantongo has 4 less mangoes than Azildah. If they both have 20 mangoes, how many mangoes does Nantongo
			have?
	TOTAL STATE OF THE SECOND STATE OF THE SECOND SECON	1	
	my like and the		30 marks)
27.	Given the number 43625;		(US marks)
(a)	Find the value of 3 in the above number.	(b)	Write the sum of the values of 4 and 2 in words.
	Note and the second		
	A Committee of the Comm		
			the statement with most entrance.
	Redskiletot, other the		
			(05 marks)

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P.6 Mathematics Mid - Term II 2024

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28.	Using a ruler, a pencil and a pair of compasses only, construct a regular hexagon in a circle of diameter 6cm.				
2,5	net in section of all in the con-		Red Mary Charles, to Alexander		
	arear DE to set its remails to complete.	1240	and the samp and the same	.v.d	
	non-makingon talaksin a ini more		1,167		
	And the second			(04 marks)	
29.	A bus left town M at 6:00am and reach	ned tov	n N at 7:15am.		
(a)	How long did it take to travel from	(b)	If it was travelling at a spec	ed of	
()	town M to town N?		80km/h, find the distance b	oetween	
			town M and town N.		
		Tressie			
		2			
				430	
(c)	If the bus returned through the same	journe	in 2 hours, at what speed w	as it	
(-)	travelling?		96" 1, 164" - Ta	3.49	
1	**				
See					
Same.					
				(06 marks)	
30.	Study the number line below and use	it to a	nswer the questions that follo	ow.	
30.	n n		m		
		·	<u> </u>		
	4 + + + + + + + + + + + + + + + + + + +	0	+1 +2 +3 +4	+5	
1000	5 4 3 2 1	U			

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P.6 Mathematics Mid - Term II 2024

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(a)	Write the integer represented by arrow; (i) m	(b)	Write the mathematical statement for the number line above.
	(ii) n		(4 marks)
31.	(a) Dinah, a shopkeeper, bought a saucepan at sh.20,000. She later sold it at sh.25,000. Calculate Dina's percentage profit.	(b)	Joseph sold a cock at sh.28,000 and made a loss of sh.3000. How much did he buy the cock?
32.	Erick bought scholastic materials as sho		(05 marks)

book .	pen	ruler	pencil
sh.1000	sh.600	sh.1200	sh.200

Using a radius of 3cm, construct an accurate pie-chart for the above information.

(05 marks)