## BROAD EXAMINATIONS®

## P.7 MATHEMATICS EXAMINATION TRIAL SET II TERM I 2024

Time allowed: 2 hours 30 minutes

andidate's Signature:		<b></b>	
District Name:			
Read the following instructions carefully:  1. This paper is made up of two sections: A and B.  2. Section A has 20 questions (40 Marks)	FOI	R EXAMINE USE ONLY	RS'
3. Section B has 12 questions (60 Marks)	PAGES	MARKS	SIGN
4. Answer ALL questions in both sections A and B.	Page 2		
5. All answers must be written in the space provided in blue or black ball point pens and ink. Only diagrams	Page 3		
should be done in pencil.	Page 4		44
. Unnecessary crossing of answers will lead to loss of marks.	Page 5	and the second	
<ol> <li>Any handwriting, which cannot be easily read, may lead to loss of marks.</li> </ol>	Page 6		17 m
B. Do not fill anything in the boxes indicated for	Page 7		
Examiners' use only.	Page 8		
	TOTAL		
Teacher's comment to the learner			
	Approved i	yr ·	

	SECTION	A. (40	Hardest .
1.	Work out: 42 + 17	2.	Find the value of 4 Tens + 3 tenths.
		14 A	
		- 1 (1 v)	
3.	Find the missing numbers in the sequence below.  2, 3, 5, 7,	A	Draw a diagram to show that all doves are birds.
5.	Convert 0.4 metres to centimetres.	6.	Name set A below.
			pigs sheep
7.	A pair of dry cells costs sh.2000. Find the cost of 5 dry cells.	8.	Simplify: '4 + '5
		de	
9.	Write 654.73 in scientific notation.	10.	Study the venn diagram below and

9. Write 654.73 in scientific notation.

10. Study the venn diagram below and answer the question that follow.

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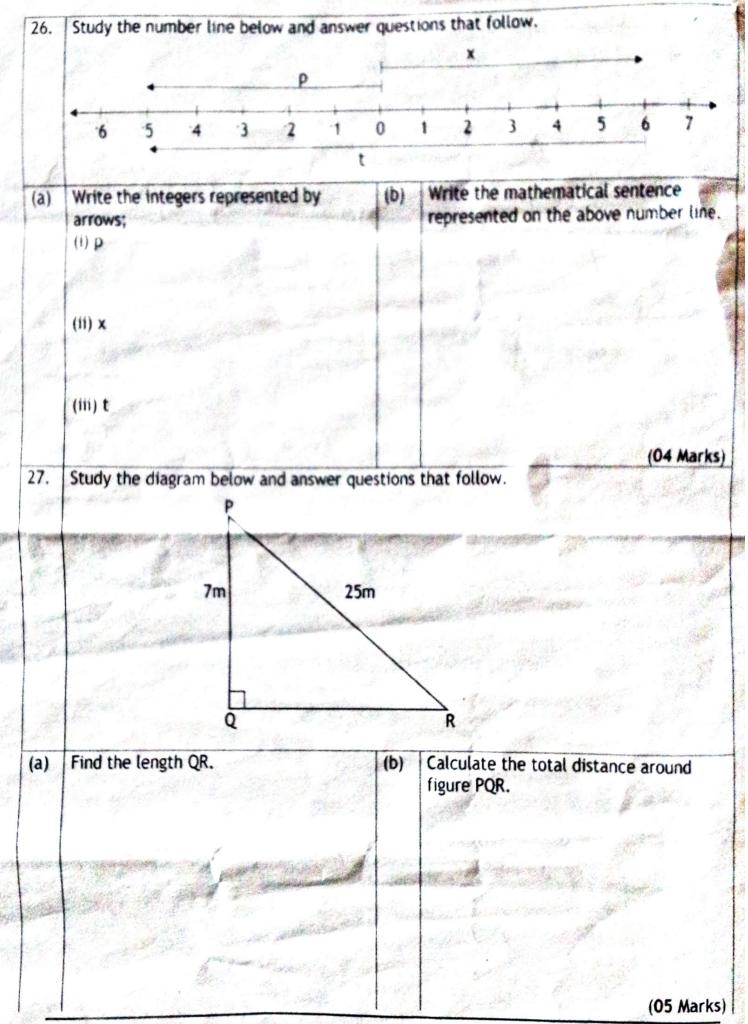
o u e c d t

Find n(POR)

13.	Using a ruler, a pencil and a pair of compasses, construct an angle of 90°.	14.	Solve the equation.  2 (x - 4) = 4  Express 98 as a product of its prime factors.
	Compasses, constitut		
15.	Find the median of 0, 8, 2, 4, 3, 6 and 2	16.	Decrease 210 pens by 30%.
17.	Round off 47826 to the nearest	18.	In the diagram below, find the value of
	thousands.	2	angle g.
			angle g.  g  A45°  >>>
	thousands.	20.	
19.		20.	9 /45° >>>

21.	Given the number 640.79.
	1011DE1 040.78;
(a)	Expand the above number using values. (b) Find the place value of 8 in the above number.
(c)	Work out the product of the place value of 7 and the value of 4 in the above number.
ALCOHOL:	(05 Marks)
22.	The venn diagram shows the number of farmers who grow Rice (R) and Sorghum (S) in a certain village. Use it to answer questions that follow.
1-0	Rice(R) Sorghum(S)  y - 4 (y) 13
alat ed Seed to	2y
(a)	If there are 41 farmers who do not grow rice, find the value of y.  (b) Find the total number of farmers in the village.
	(05 Marks)

23.	In a micro-finance bank, a teller received numbered consecutively from XP0084752  How many notes were in that he did not the second of the sec	d a bur	ndle of ten-thousand-shilling notes
(a)	How many notes were in that bundle?	(b)	How much money did he receive altogether?
24,	(a) Convert $3\frac{1}{3}$ hours to minutes.	(b)	(04 Marks)  Work out: Hrs Min 17 20 -9 11
			(04 Marks)
25.	(a) In a meeting, the ratio of men to women is 3:5 respectively. If there are 40 women in the meeting, how many people are in the meeting altogether?	(b)	At Mukko Primary School this year, the number of pupils increased by 60 pupils to 300 pupils. In what ratio did the number of pupils increase?
	The second secon		
		-5	
			(06 Marks)



28.	(a) Find the least number of apples that can be shared by 6 or 8 pupils leaving 2 as a remainder.	(b)	Find the square root of 0.16.
		September	
			(05 Marks)
	for 30 minutes and continued to town T r hours. Calculate the motorist's average s	peed f	or the whole journey.
			(O4 M-14-)
30.	(a) Find the supplement of 109°.	(b)	(06 Marks) Calculate the size of angle marked K.
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The table below shows the marks scored by different pupils in an examination. Use it to answer questions about it.  No. of pupils 2 3 2 1 2  Marks scored 50 40 55 90 70  Find the median mark. (b) Find the modal mark.		(a) Convert 1011	two to de	nary syst	em.	(b)	Solve	the ed	quatio	n P² + .	s = 12	4 five
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