BROAD EXAMINATIONS®

MATHEMATICS EXAMINATION PRE - PLE TRIAL SET I 2024

Time allowed: 2 hours 30 min	nutes.		
Random No. Personal No.			
Pupil's Name:			
School Name:			
District Name:			
Read the following instructions carefully:		EXAMIN JSE ONLY	
1. This paper is made up of two sections: A and B.	PAGES	MARKS	
 Section A has 20 questions (40 Marks). Section B has 12 questions (60 Marks). 	Page 2		
4. Answer ALL questions in both sections A and B.	Page 3		
5. All answers must be written in the space provided in	Page 4		
blue or black ball point pens and ink. Only diagrams should be done in pencil.	Page 5		
6. Unnecessary crossing of answers will lead to loss of marks.	Page 6		
7. Any handwriting, which cannot be easily read, may lead to	Page 7		
loss of marks. 8. Do not fill anything in the boxes indicated for	Page 8		
Examiners' use only.	TOTAL		
Teacher's comment to the learner	Approved by: Team Head Mathem	natics Dep	t.

Broad Educational Consult 2024. Tel: 0486 - 442077, 0786-659301, 0772-864523. Page 1 of 8 P.7 Mathematics Pre-PLE Set | 2024 FOR ACADEMIC EXCELLENCE, AVOID MISSING BROAD HOLIDAY PACKAGES, WORK BOOKS & PAST PAPER BOOKLETS

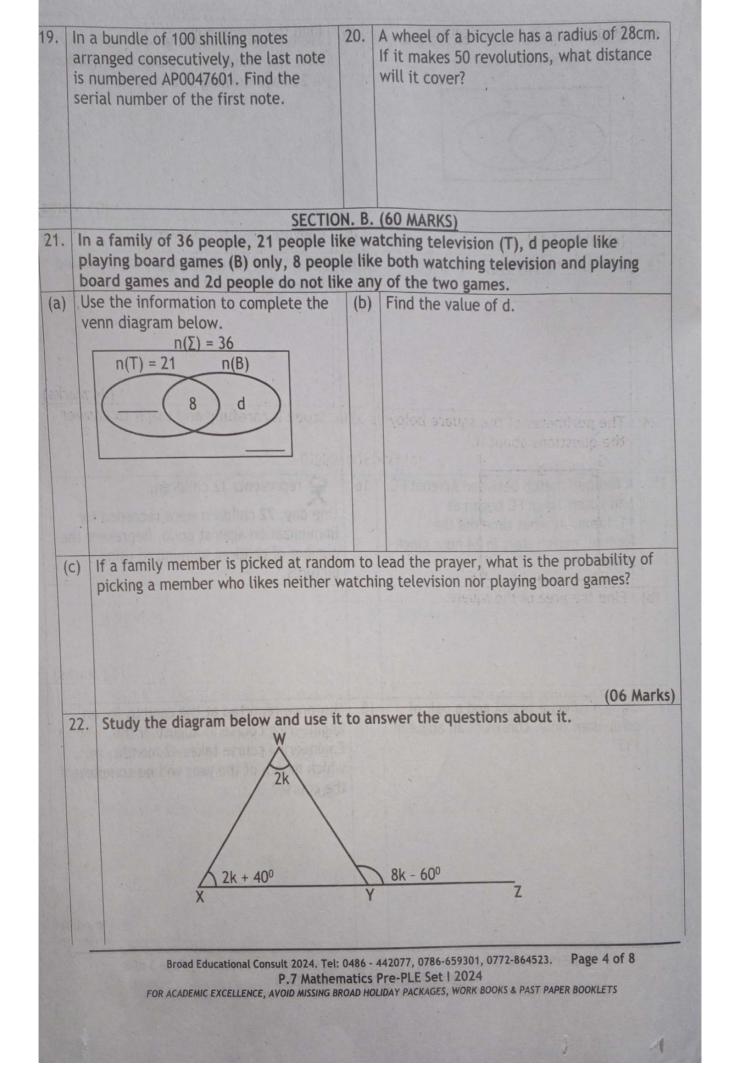
	SECTION .	.A. (40) Marks)
1.	Add: 1 + 4	2.	Given that $M = \{m, o, n, d, a, y\}$ and $N = \{t, u, e, s, d, a, y\}$, find $M \cup N$.
3.	Convert 2.8m to centimetres.	4.	Express 0.4 as a percentage of 2.
5.	Find the next two numbers in the sequence below. 10, 14, 20, 28, 38,	6.	Circle acute angles in the list below. 24° 94° 180° 52°
7	Simplify; 7 - *3	8.	Convert 10 m/s to km/h
	9. Find the missing number. 12 ÷ □ = 3	10.	Write 0.00476 in standard form.

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P.7 Mathematics Pre-PLE Set I 2024

FOR ACADEMIC EXCELLENCE, AVOID MISSING BROAD HOLIDAY PACKAGES, WORK BOOKS & PAST PAPER BOOKLETS

11.	Shade the complement of set M in the venn diagram below. M P	12	Twelve men can dig a garden in 15 days. How many men can dig the same garden in 20 days working at the same rate?
13.	Solve the inequality: 2 - 3x ≥ 8	14.	Write "Four hundred ninety six thousand thirteen" in figures.
15.	A football match between Arsenal FC and Luton Town FC began at 11:15pm. At what time did the football match start in 24 hour clock system?	16.	Prepresents 12 children. One day, 72 children were recorded for immunization against polio. Represent the number of children immunized using pictures.
17.	Using a ruler, a pencil and a pair of compasses only, construct an angle of 135°	18.	Muwonge reported at the campus for an Engineering course in August. If the Engineering course takes 42 months, in which month of the year will he complete the course?



44.0	Find the value of kin		
a)	Find the value of k in degrees.	(b)	Find the size of angle WYX.
23.	(a) Add: 110 two	(1-)	Convert 23 _{four} to base two.
	+ 11 two	(b)	Convert 2510th to 2500
			All of April 19 and April 19 an
			(04 Marks)
24.	The perimeter of the square below is	52m	. Study it carefully and use it to answer
23.1	# # E	Sure.	
(b)	Find the area of the square.		Z = OU one months as a man upon
			(04 Marks)
		(b)	A teacher grouped pupils in a class
25.	(a) The prime factors of M are {2 ₁ , 2 ₂ , 3 ₁ , 5 ₁ , 5 ₂ }. Find the value of M.	(b)	discussion. When he grouped them in groups of 8 pupils, 3 remained and when he grouped them in groups of 12 pupils, also 3 remained. Find the least number of pupils in the class.
			(04 Marks)

\	hours. He rested for an hour and lar remaining 135km in 2 hours.			Of the state of th
)	At what time did he reach the destination?	(b)	Calculate the average spe journey.	ed for the whole
			W 4	
	n:		JOSE STATE OF THE	
				(06 Marks
7.	(a) Simplify; $1\frac{1}{2} - \frac{2}{3} \div \frac{1}{2} + \frac{1}{4}$	(b)	Simplify; <u>4.8 ÷ 0.02</u> 0.97 + 1.43	
	S Pledzeno revena ci st acti inter-		Assignos a Valle valle	कार प्रसित्ति है
	The state of the s		MP (a)	
			mo00t 19	(05 Marks
2	8. (a) Using a ruler, a pencil and a pair line UB = 6cm, BC = 7.5cm and UC =	r of com 5.6cm.	passes only, construct triar	ngle UBC where
	at stemmer of early of the		And a control of an income	
	(b) Measure angle UBC.			
				(05 Marks)

Item	it correctly.	Quantity	Un	it Price	Amount
Meat	CONTRACTOR OF THE PARTY OF THE	1½ kg	sh.	12000	sh
Milk		2 litres	sh.		sh. 2400
Rice		kg	sh.	2500	sh
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		Total expendi	ture		sh. 28650
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14 30					
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Find the ca	400 500cm pacity of the	above tank.	(b) If th tank	e hoarders use	of the water in the w many litres rema (05 Marks

