BROAD EXAMINATIONS®

P.7 MATHEMATICS EXAMINATION PRE – PLE TRIAL SET III 2023

Time	allowed: 2 hours 30	minutes.		- •
Random No.	Personal No.			
				v*
Candidate's Name:			7 1 2 2 1	
Candidate's Sign ture	·			
District Name:				
Read the following instructions carefull 1. This paper is made up of two sections:	A and B.	FOI	R EXAMINE USE ONLY	
2. Section A has 20 questions (40 Marks3. Section B has 12 questions (60 Marks		PAGES	MARKS	SIGN
4. Answer ALL questions in both section		Page 2		
5. All answers must be written in the spa	Page 3 Page 4	*		
blue or black ball point pens and ink. (should be done in pencil.		Page 5		
6. Unnecessary crossing of answers will	lead to loss of marks	S. Page 6		
7. Any handwriting, which cannot be eas	ily read, may lead to	Page 7		
loss of marks.		Page 8		

8. Do not fill anything in the boxes indicated for Examiners' use only.

Teacher's com	ment to the learner	
		•••••

TOTAL

Approved by:

Team Head Mathematics Department

PLE REVISION TIPS

In groups share these concepts from P.6 Term I work;

* Listing and finding subsets

*Divisibility tests

- * Types of numbers
- *Complement of sets
- *Application of median in and range on types of numbers *Difference between listed elements and number of elements in a Venn diagram.

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

	Add 57 to 23.	2.	List all multiples of 4 less than 20.
		7	
		* * * * * * * * * * * * * * * * * * *	
		AN I	
		2. 1	50.4.2.2.4.57
	What is $\frac{8}{9}$ of 18 cows?	4.	Set Y = {0,1,2,3,4,5}
-	9		Set $X = \{5,7,0,2,3,4,5\}$
		41	Find $X \cup Y$.
		-	
	e di di		
·.	Simplify: '3 - '4	6.	Write in figures;
			Three hundred fourteen thousand
			forty nine.
= _			
7		-	
7.	How many lines of folding symmetry has	8.	Work out: $5^4 \div 5^2$
Σ	the figure below?		
		100	
-	A STATE OF THE PROPERTY OF THE	n (1100-1100)	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		A service of the serv
₹.	An examination that started at 8:30am	10.	Divide:
	took 21/4 hours. Show the time it ended	-	16 3680
	on the clock face below.		
	The state of the s		
	10 2	-	at the last transfer of the second se
	(9 • 3)	-	
	7 . 5	4 . 4	
		1.4.4	
44			
11.		12.	Given that 3:5 = n:25, find the value
	540,000. What was the exchange rate?		of n.
	The state of the s	144	The same of the same of the
		A THEFT	Great Control of the
1 .			

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13.	Find the area of the figure below; Table	14.	Using a ruler, a pencil and a pair of compasses only, construct an angle of 105° .
1		100	ter to trads alsw stelled figure would
1			
1			
15.	The average mass of 1/ house is 50	11	N. Lee I. Control of the Control of
13.	The average mass of 16 boxes is 50g. What is their total mass?	16.	Multiply: 101 _{two} x 11 _{two}
	What is their total mass:	100	The second of the second secon
			sin so di on ile in a sur a bas
			Partie of the second of the se
	0 10 % 110 - 30 - 13.02 1.31		unhan wine de la matt
			AB THE LEGIST
			1300 640
		E ,	
17.	Shilling notes in a bund'te are numbered	18.	What mathematical finite statement
- 7	consecutively from AP 7300583 to	2	is shown on the dial below?
	AP7300610. How marny notes are in the		
1	bundle?	= = =	
-	The second secon		0 \\\
,1	ucerti, test i a the probability togat une	6 51	(4 house to (1)) *
to a			(v) ashenog a first sold izage
1			2 /
1			
d.			
	(35 marks)		
C 1000	e i thi has number a reparded to see		(a) Expand 9-60 using powers.
Acres 1	(7x10 1+ (5x10) (9x30 1)	-	The same of the parties in the same
		f'e	
		i-tere	

19	יייי דויייייייייייייייייייייייייייייייי	20.	A motorcyclist covered a distance in
	expenditure of 120 dollars by a woman.		2½ hours at a speed of 30km/hr.
			What distance did he cover?
		-	
	/Fees Food \		
-	1200		
	Clothings		
	Clothings /		
1			
1	How many dollars were spent on fees?		
	· · · · · · · · · · · · · · · · · · ·		
1			
1	San	=	
	656510	<u> </u>	
21.	At a party attended by 45 quests all quest	N .B.	(60 Marks)
	At a party attended by 45 guests, all guest and water (W), d guests took soda (S) and	S took	(porridge (P), 30 guests took porridge
	and 15 guests took all the three drinks.	porric	ige white 7 guests took porriage only
(a)	Represent the above information in the	(b)	Find the value of d
	Venn diagram below.	(b)	Find the value of d.
	$n(\Sigma) = n(P) = 45$		
3	n(W) n(S)		
4			
	((15))	1	or managed Agent a solver to got the
٠.		-	A STATE OF THE STATE OF THE STATE OF
	7	179	The same of the sa
			DIEN.
(c)	If a guest is selected at random to give a sp	ooch	what is the
	guest took water and porridge only?	eecn	, what is the probability that the
	permage enty		
1.00			
			(05 marks)
22.	(a) Expand 9403 using powers.		(b) What number is expanded to give:
			$(7x10^3) + (5x10^1) + (9x10^{-2})$?
July Ser	The state of the s		and the second second
		Maria I	
		-19.	
1000 1000 1000 1000 1000 1000 1000 100			(05 marks)

	Transfer of the post two equipments		
23.	(a) Find the next two equivalent numbers	1	(b) What is the number when divided
1	in finite 6.		by 7 leaves 5 as a remainder and
	4(finite 6) = 4,10, 16,,	100	when divided by 40 leaves 3 as a
in the	The state of the s	1 -	when divided by 10 leaves 2 as a
	The state of the s		remainder?
		_	
			•
1			
		-	1 1: "
24	The figure below to an in-		(05 marks)
24.	The figure below is an isosceles trapezium	with	a circle enclosed inside. Given that
1,5	the area of the circle is $38\frac{1}{2}$ cm ² . Use it to a	nswe	r the question that follows
49 4	28m		
14		Calc	ulate the area of the shaded region.
		=	
14	25m		
47			
100	An A Lin		(Od Marks)
25.	Study the Venn diagram below and answer	auact	(04 Marks)
23.		quesi	tions that follow.
161			de la
	F_{P} F_{Q}		
	$\frac{1}{2}$		
	$ (7_1 (y 2_1) 3_2) $, -
		1	
			, + A
	Ci di di la Ci Ci Ci Ci di Allo		
1	Given that the LCM of P and Q is 420;		/L\\//
(a)	Find the value of y.		(b) Work out their GCF.
			The test of the control of the control of
	Short 1.0 Pt 1. (7.19 June 5.1)	-	
	(19841159) A 1216 P. A. W. A. M. C.		
	A Land Control of the		av state of the st
			Commission of the contract of
		L.	GA HILL AND
		-	
		100	ting and kindly more than
4	No. of the control of		and the second
1		150	(04 Marks)

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

(a) How many	pupils are in	the school?	(E	niform and 210 boys have school uniform How many pupils altogether do not have school uniform?
	- Just		A SECTION		[] 1 첫 등요? 보고 보통해요 그림
			•		(06 Mark
27.	A parent ha	as two childre	n; Joy and Hel	leb. Hel	eb is $\frac{1}{3}$ his father's age while Joy is fo
	years young	ger than Hele	b. The total as	e of the	e two children is $\frac{1}{2}$ of the father's age.
-				or till	two children is 72 of the father's age.
a)	How old is t	the father?		(b)	Find the age of each child.
					me (A)
			,		
	4				Andrew Control of the
	2				
3.	The mean m	ark of E			(05 Marks
	(a) Find the	total mark of	es is 36 and tha	at of 7 c	(05 Marks) ther scores is 60.
	scores.	cotat mark of	all the 12		(b) What will be the ave
-					a score of 63 is included?
					instance:
		Charles h			
١,					
4.		Their och	rochow (d)		Did di bri q to u i a
-	The table bel	ow shows the	buying and		(OF 14
11	CURRENCY	100	adding alla se	lling of	some currencies in Uganda shillings. How many Us dollars will Potential
	1 US Dollar	BUYING	SELLING	(a)	How many Us dollars will Peter get for Ugsh. 180,000?
Ш	1 Kenya	1 25311.33311	Ugsh.3600	$\parallel \parallel \parallel$	for Ugsh.180,000?
1	Shilling	Ugsh.25	Ugsh.28		
$\ \cdot\ _{L^{2}}$	1 Rwanda	Ugsh.4	172		
1	ranc		Ugsh.5		
			, ,		
	Broad Educat	ional Consult 202	3 Tolon		5930I, 0772-864523 Page 6 occ
444	Control of the Contro				5930I, 0772-864523 Page 6 of 8 ES, WORK BOOKS & PAST PAPER BOOKLETS

	A coat in Kenya costs Ksh. 6000. Find the price of the coat in Rwanda Francs.
	COT U. L
_	(05 Marks
0.	The cylindrical tank below contains some water. Study and use it to answer questions that follow.
	How much water is needed to fill the tank? $(\pi = \frac{22}{7})$
	60cm
	<u></u>
	140cm
(b)	If the tank is 5 full find the height of the vertex is the tank.
(5,	If the tank is $\frac{5}{11}$ full, find the height of the water in the tank.
	(05 Marks)
21	A school is 600 metres from a mosque on a bearing of 055° and a hospital is 750
51.	metres from a school on a bearing of 165°.
	Using a scale of 1 cm to represent 100 metres, draw an accurate diagram to show the
	Using a scale of 1 cm to represent 100 metres, draw an accurate diagram to show the
	Using a scale of 1 cm to represent 100 metres, draw an accurate diagram to show the
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(a)	Using a scale of 1 cm to represent 100 metres, draw an accurate diagram to show the
	Using a scale of 1 cm to represent 100 metres, draw an accurate diagram to show the
	Using a scale of 1 cm to represent 100 metres, draw an accurate diagram to show the
	Using a scale of 1 cm to represent 100 metres, draw an accurate diagram to show the

/ht	11/2-1		
(b)	WOLK OUT	t the shortest distance from the mosque to the hospit	at in metres.
	- Commence of the Commence of		
October 1988			(06 Marks)
32.	The grap	oh below shows the journey made by a pupil from h	ome to school and back
	home.		
	1		
	TOTAL STATE OF THE		\$ 100 miles
	The second secon		
	24		
	c		
	2	school.	
	2		
	a 18		
	Distance in km		
	ta		
	<u>S</u>		
	□ 12 -		
	-		
	-		
	6 -		
,			
and the second			
No.			1
	0 4		HOME
ST-MANUFACTURE STATE OF THE STA	. 4		Transaction
		Time in hours	and the second
	(a) At wha	hat time did the pupil leave school?	
Accounting			
en crappositi			
	(b) For ho	ow long did the pupil stay at (c) Calculate t	The state of the s
Efficientionals	school?		the average speed of
C. C		the pupit white	e going to school.
SALES TAN OF			
Patricina			
Ship Store			(05 Marks)
(END	All the second s