

BROAD EXAMINATIONS®

P.7 MATHEMATICS EXAMINATION PRE - PLE TRIAL SET I 2023

		Time	allowed: 2 hours 15	minutes.		
	Random No.		Personal No.			
Candidate's N	ime:		_ 			
District Name:						
		ctions careful	20	FOI	R EXAMINE	RS'
	 This paper is made up of two sections: A and I Section A has 20 questions (40 Marks) 				USE ONLY	
	•	to a management of the second		PAGES	MARKS	SIGN
3. Section B	has 12 questi	ons (60 Mark	s) ==	Page 2		
4. Answer A	LL questions	in both sectio	ns A and B.	Page 3		
5. All answer	s must be wr	itten in the spa	ace provided in	Page 4		
blue or bla	ck ball point	pens and ink.	Only diagrams			
	done in pend			Page 5		
			load to loss of marks	Page 6		
			lead to loss of marks.	Page 7		
7. Any handy	riting, which	n cannot be eas	sily read, may lead to	Page 8		
loss of ma	ks.		2 E	TOTAL		
8. Do not fill	anything in t	the boxes indic	eated for			
Examiners	use only.	340 1	** ¥			

Teacher's comment to the learner

Approved by:

Team Head Mathematics Department

PLE REVISION TIPS

In groups of fives, revise with your friends simple work from P.4 class.

Read about:

- 3- Dimensional figures and their properties
- Tally marks under data handling
- * Addition and subtraction of time
- * 4 by 4 magic squares and magic triangles

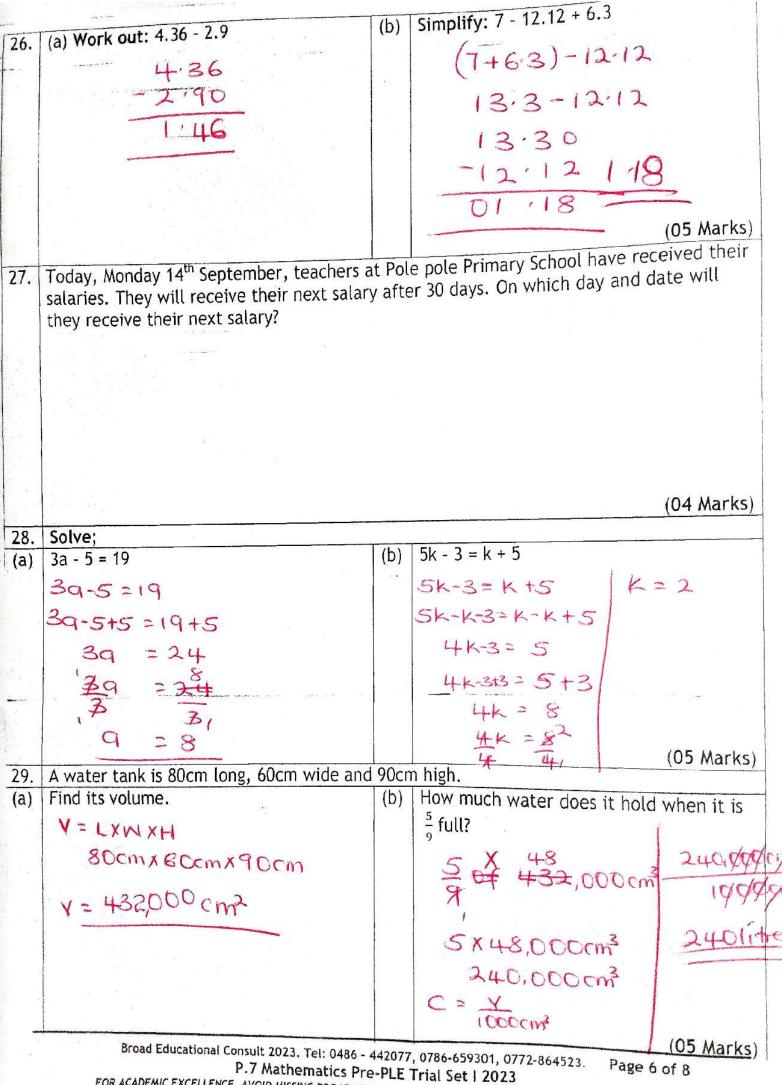
SECTION .A. (40 Marks)

ſ1.	Add: 43 + 16	2.	Change 13 _{five} to base ten.
'			
3.	Work out the LCM of 12 and 15	4.	Find the range of 3, 7, 8, 5 and 6.
5.	A trader sold a dozen picfare books at	6.	Describe the shaded region in the figure
	sh. 1200 each book. How much money did		below.
	the trader get after selling the books?		Q
έ.			
, <u> </u>			
7.	In the diagram below, find the size of the angle marked W .	8.	What number is increased by 10% to become 22?
			Decome 22.
	55°		
-			
	W		
9.	A driver drove his car at a speed of 20	10.	Solve: $m + 3 = 1 \pmod{.7}$
	metres every second. What was his speed in km/h?		

11.	Simplify: 3x - (x + 4)	12	In the diagram below, AB = 8cm, BC = 12cm and AE = 4cm.
			E
			A D B Find the length DC.
		111	Round off 18.82 to the nearest whole
13.	Write the time 3:50pm in 24 hour clock system.	14.	number.
15.		16.	Using a ruler, a pencil and a pair of compasses only, construct an angle of 15°
	y 6 4		
17.	Express 14 as a product of its prime	18.	Set $G = \{2, 0, 5, 9, 7\}$. Find the number
	factors.		of proper subsets in set G.
		20	
19.	Given that $\frac{2}{3}$ of a kilo of maize flour costs sh.1600, find the cost of 4kg of maize flour at the same rate.	20.	The diagram below is a circular end of a cylindrical tin whose circumference is 88 metres. Find its radius.
	mod at the same race.		$\left(\begin{array}{c} r \end{array}\right)$

	SECTION	.B. (60 Marks)
21.	In a trading centre of 50 traders, 32 have	acco	unts in SACCOs (S). 34 have them in Banks
	(B), some (P) have them in both institution	ns wł	nile 5 do not have accounts at all.
(a)	Represent the above information in the venn diagram below. $\Sigma = 50$	(b)	How many traders have accounts in both institutions?
	SACCOS BANKS P 5		
(c)	If a trader is selected at random to be a book choosing one who has an account in SACCO		
	6.0		(05 Marks)
22.	(a) Work out: 1 1 0 _{two} - 1 1 _{two}	-	If $102p = 201_{five}$, find the unknown base p. $102p = 201_{five}$ $(ixp^2) + (oxp^2) + (2xp^2) = (2xs^2) + (oxs^2) + (ixp^2) + (0xs^2) + (ixp^2) + (0xs^2) + (ixp^2) + (ix$
23.	Study the exchange rates below and answer 1 United States dollar (US\$1) = Ugsh.3500 1 Kenya shilling (Ksh.1) = Ugsh.30 1 British pound Sterling (£.1) = Ugsh.4000)	questions that follow;
(a)	A man has 330 US dollars and Ksh.5500. How much money in Uganda shillings does he have altogether?	(b)	A phone costs Ugsh.640,000. Find its cost in pounds.
			(05 Marks)
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24.	The number of pupils in P.1, P.2, P.3 and F 48 respectively.	2.4 at	Excel Junior School are 66, 54, 72 and
(a)	Which class has the least number of pupils?	(b)	How many more pupils are there in P.3 than in P.1?
			1965 FF
			w'
			ε
(c)	Work out the average number of	1 6	
(c)	Work out the average number of pupils in t	the fo	our classes.
	a a e e e		AND THE SAME SAME SAME SAME SAME SAME SAME SAM
25.	(a) Using a ruler, a pencil and a pair of ser		(05 Marks)
23.	(a) Using a ruler, a pencil and a pair of corline PL = 7cm, angle PLE = 75° and angle E	npas: PL = 4	45°
			÷
-			
(b)	Measure line LE.		
			(05 Marks)



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

30.	Sarah, Susan, Barbra and M			The state of the s	
	Susan is 5 years older than	Sarah, Barbra is	manuscript.	with the second	years old.
(a)	Find the value of n.	1=20	(b)	Find Susan's age.	
	Sum of data = A.Y			N+5	-
	No of data				I
	n+n+5+19+n+4	= 22		(2010) (2013	
	4			(20+5) years 25 years	
	n+n+n+5+19+4	= 22			
	4	- 22		्र स्टब्स्	
		- 3 -			==
	4×3n+28	= 22x4			
	*	288		***	
	211+72			9	
	31+28-28	=88-28		-	-
	3n+28-28 3n	= 65		37 a	(05 Marks)
31.	A motorist left town K at 8	3:30am at a spee	d of	35km/h. After a 2 hour driv	e, the car got
	a problem which took him	30 minutes to so	lve.	He then continued to town	L at a speed
	of 40km/h reaching town	L at 12:15pm. He	imn	nediately returned to town I	K at a constant
	speed of 96km/h.			[C.1.]	d of the
(a)	How far is town L from to	vn K?	(b)	Calculate the average spee motorist for the whole jou	1
	Distance before &	eccikdown		E 200 100 100 100 100 100 100 100 100 100	
	D=SXT			Time for return	700 used
	35km/hx2h	#0		1 = 5	(9) in the contract of the con
		50km		HOKE TE KALL	1161, 11
	70km	Total		ac I (I)	HS KM/h
	Duration after	dutance		,	
	breakdown			32	
	1215	70 km +50k	N.	40 h	=
	-1100	120km		4	
	0115		_	1 thours	
	thr and 15 min				
	Distance after			AY13 = T. DC	
	breakdown	all control		120Km+120Km	
	D=3x7			2月十年中十十十十十十十十十十十十十十十十十十十十十十十十十十十十十十十十十十十	· h
	40kmllxl篇l			(K)	
				240 km	(OE Manke)
	HOKM/LAS			3 h	(05 Marks)
		sult 2023. Tel: 0486 - 4 .7 Mathematics Pre-			e 7 of 8

	SCHOOL	NO. OF BOXES.	
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the control of the second control of the control of	Nzozi	$\boxtimes \boxtimes \nearrow$	
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A place of the same was a great of the same	Bitaabo	$\boxtimes \boxtimes \nearrow$	
Windergroup on the late of	Given that represe	ents 24 books and 7 represents 12 books,	
c)	Work out the total nur	mber of books the four schools received.	
<u>c)</u>	Work out the total nur	mber of books the four schools received.	