

POTHE PRIME EXAMINATIONS 2024 P.7 MAGIC SET IV

MATHEMATICS

Time allowed 2 hours 30 minutes

INDEX NO:				
Candidate's Na	me:	 	 	
Candidate's Sig	nature:	 	 [6]	FOR WELL EXPLAINED LESSON VIDEOS WITH EXPERT TEACHERS
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READ THE FOLLOWING INSTRUCTIONS CAREFULLY

- Do not write your school or district name anywhere on this paper.
- This paper has two sections: A and B Section A has 20 questions and section B has 12 questions. The paper has 9 printed pages.
- Answer all questions. All the working for both sections A and B must be shown in the spaces provided.
- All working must be done using a blue or black ball point pen or ink. Any work done in pencil other than graphs and diagrams will not be marked.
- 5. No calculators are allowed in the examination room.
- Unnecessary changes in your work and handwriting that cannot easily be read may lead to loss of marks.
- Do not fill anything in the table indicated "For Examiners' use only", and those boxes inside the question paper.

FOR EXA	MINERS' US	E ONLY
QUESTION NUMBER	MARKS ATTAINED	INITIALS
1-5		
6 - 10	*	
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 -26		
27 - 28		
29 - 30		
31 - 32		
TOTAL		

APPROVED:

Mathematics Department (PEC)

PUBLISHERS OF: -

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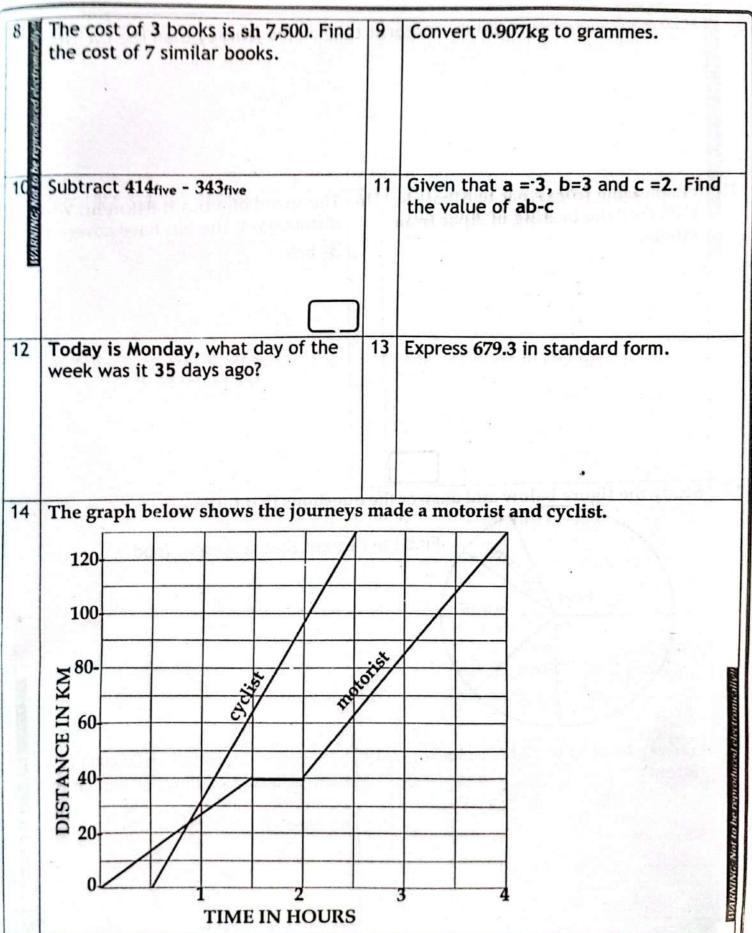
Organised by: Prime Educational Consult

@2024

Kampala

Turn Over

nica	<u>Section A (</u> Workout: 496 + 23	2	Write 110372 in words.
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WARNING; NOT R	Given that set M = {6, 5, 7, 8, 9, 10, 11} and set N = {1, 2, 3, 4, 5, 6, 7} find n(MUN)	4	Work out: $1\frac{2}{7} \times \frac{4}{5}$
	Simplify: 3x - 4y + 5x - 7y	6	Find the next number in the sequence below. 576, 36, 4, 1,
	Using a ruler, a pencil and a pair of c	omp	passes, construct an angle of 105°.



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Work out: $2^2 \times 2^{8x} = 2^{-3}$	
Section B (60 Marks)	
(a) What is the place value of 0 in the numeral above?	(01 marks)
(b) Find the difference between the value of 4 and the value of 7.	(03 marks)
	. 100 - 3
At a party attended by 28 guests 16 drank Fanta (F) 15 drank Mirir	da (M) 5
	ida (ivi), 5
	(03 marks)
	(00)
M(F) M(M)	
(b) How many guests drank none of the drinks?	(03 marks)
(c) men men, general en me en mo	(05 //////////
	1
	Section B (60 Marks) Given the numeral 40725. (a) What is the place value of 0 in the numeral above?

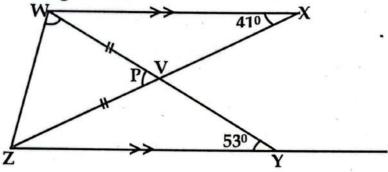
23 S	seremba went shopping and bought the following items.	
tron	3kg of meat at sh 12,000 per kg	
lele	$2\frac{1}{2}$ kg of rice at sh 4,000 per kg	
duce	500gm of beans at sh 3,000 per kg	
reproduced elec	4 litres of cooking oil at sh 14,000	
CO (O	i) Find Sseremba's total expenditure.	(04 marks
OMINO		
(b) If Sseremba had 4 notes of sh 20,000 each. Find his change.	(01 mark
4 St	udy the figure below	
. 0,	tudy the figure below and answer the questions that follow.	
	(a) Find the side marked p.	(02 marks)
	9cm	
/	/ ~	
1	22cm	-
(b)		
(2)	Workout the distance around the figure.	(01 mark)
		(OI mark)
1,-1		
(C)	Find the area of the figure.	
		(02 marks)
10		
1		
	O Prime Educational Consult 2024. TEL: 0752999554, 0772058141 FOR ACADEMIC EXCELLENCE, ALWAYS USE THE PRIME	
		15
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25	(a) Work out: <u>0.09</u> 0.0	8 x 0.6		(03 marks)	
25	(b) Simplify: $\frac{8}{9} \div$	1 2		(02	
2000	(b) 3111ptilly. 9	2 ^ 3		(03 marks)	
	(0238.5				
26	Heing a mulan a ma			FECH	
20			sses, construct a parallelog FG = 120º. Drop a perpend		
	from H to meet El	Fat O.		(05 marks)	
	.we.lobisi	and the question of	ended ablancy of SALAM add		
			a constant announced		
	Catharia & Dal G	011 189 THE NAME OF THE PARTY OF			
	The state of the				
	1 7 1 12				
	上 政府的。		me or him willing wersh		
27			a train from Kampala to T	ororo.	
:]	Place	Arrival time	Departure time		
7	Kampala		06 00hrs		
16	Jinja	10 00hrs	10 30hrs		
	Iganga	12 30hrs	13 45hrs		
	Bugiri	14 45hrs	15 00hrs		
= 1	Tororo	16 00hrs			

	rt the arrival ti	me of the tra	ain in Iganga i	n 12 hour clo	
Sur Service					(01 mar)
(a) Conver					
5					
(b) Find th	he total time ta	aken by the t	rain to travel	from Kampal	a to Tororo.
					(02 marks
-					
es de la companya de					
(c) Find tl	he total time to	aken by the t	rain on all sto	p overs.	
					(02 mark
					1
FF - may.	- I THE ALLE		garda ding di		
5-47 200-5			ers. com ración		m of H mari
Study the	e exchange rate	s below and	answer the gu	estions that f	ollow
II USA ao	llar is equivale	nt to Ugsh 36	00)	conons that I	onow.
1 Kenya	sh is equivalent	t to Ugsh 3200)		
(a) How n	nuch money in	Kenya shilling	gs will a touris	t get from the	e exchange of
	1,440,000?	4			(02 marks
Og sii			1 _ 5 6		
Og sii					
Og sil					
Og sil					
Og sil					
Og sin					
(b) Erikise	on had 2800 U.S	5.A dollars an	d exchanged t	hem to Kenya	a shillings. How
(b) Erikise	on had 2800 U.S n Kenya shilling	5.A dollars an 3 did he get?	d exchanged t	hem to Kenya	a shillings. How
(b) Erikise	on had 2800 U.S n Kenya shilling	5.A dollars an 3 did he get?	d exchanged t	hem to Kenya	
(b) Erikise	on had 2800 U.S n Kenya shilling	5.A dollars an 3 did he get?	d exchanged t	hem to Kenya	
(b) Erikise	on had 2800 U.S n Kenya shilling	5.A dollars an 3 did he get?	d exchanged t	hem to Kenya	a shillings. How (03 marks)
(b) Erikise	on had 2800 U.S n Kenya shilling	5.A dollars an 3 did he get?	d exchanged (hem to Kenya	

(b) How many pieces can be cut from the rod with the greatest length? (02 m) The average of y + 7, y + 9, 17, 19, 25 -y and 11 + y is 16. Find the value of y. (03 m) (b) Find the median of the above data. (02 m) Matope has r cows. Nkaissery has 20 more cows than Matope. Sendeyo has cows less than the total number that Matope and Nkaissery have. If they all have 85 cows altogether.	ng a narks)
(b) Find the median of the above data. (02 m) Matope has r cows. Nkaissery has 20 more cows than Matope. Sendeyo has cows less than the total number that Matope and Nkaissery have. If they all	narks)
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31 Matope has r cows. Nkaissery has 20 more cows than Matope. Sendeyo has cows less than the total number that Matope and Nkaissery have. If they all	iurks)
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cows less than the total number that Matope and Nkaissery have. If they all	
cows less than the total number that Matope and Nkaissery have. If they all	
(a) Find the value of r. (03 ma	J

32 In the figure below, line WX is parallel to line YZ and WV = VZ. Angle WXZ = 41° and angle WYZ = 53° .



(a) Find the value of P.

(03 marks)

(a) Find the size of angle ZWX.

(02 marks)

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Review your answers

Always make sure you read through your answers before submitting the test/exam paper. It will help you find any mistakes or questions you may have misread or misinterpreted.