

THE PRIME EXAMINATIONS 2024

P.7 END OF TERM II

MATHEMATICS (New Curriculum)

Time allowed 2 hours 30 minutes

							,	WELL EXPLAINED LESSON VI WITH TESTS BY EXPERT TEAM		
INDEX NO:	i e								DOWNLOAD THE PRIME LEARN	
ــــا Candidate's N	ame:									
Candidate's S	gnatu	re:	<u> </u>							
District ID No).:					•••••				

READ THE FOLLOWING INSTRUCTIONS CAREFULLY

- 1. 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.
- 4. 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.
- 7. Do **not** fill anything in the table indicated "For Examiners' use only", and those boxes inside the question paper.

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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:
Consultant
Mathematics Department (PF

V6.

THE PRIME, SCHEMING FRAME WORKS, PUPILS' WORKBOOKS, LESSON COURSE BOOKS, HOLIDAY PACKAGES, LEARNING GAMES AND MORE...

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	Section A	THE REAL PROPERTY.	Marks)
VARNING; Not to be reproduced electronically!	Work out: 32 ÷ 2	2	Show 324 on the abacus below.
3.	Work out: 3 + 4 =(finite 6) 4	Describe the shaded region in the Venn diagram below.
5	Work out: $\frac{2}{3} - \frac{1}{2}$	6	Find the value of n.
7	Work out: -3+5-	8	Use the distributive property to work out: (6.57 x 175) - (75 x 6.57)
9	Solve: 4(p -2) =0		WARNING: NOE TO

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TO THE WAY WE CONTROL OF THE SECTION	In the space below, construct an angle o	
11	Write 785.4 in scientific notation.	12 Namyalo bought 4 pens at sh 3200. Find the amount she paid for
		$1\frac{1}{2}$ dozens of pens.
	•	
13	What number has been expanded to give	ve; (4x10²) + (7x10°) + (2x10-¹)?
	*	
14	A mango tree was planted in a line of or	orange trees. If it was the 23rd from
	either side, find the number of orange to	trees in the line.
		apout of the state
		ratio
	*	range trees. If it was the 23rd from trees in the line.
	•	

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10 TO WARNING: Not to be reproduced electronically!!	Work out the mean of p, p + 1, p + 2, p + 3 and p + 4.	16	In a class of 60 pupils, 70% of the pupils cleared fees and the rest didn't. How many pupils haven't cleared fees?
17	Express 0.1818 as a common fraction in its lowest form.	18	Solve for p: $2^{3p} \times 4 = 256$
19	The volume of the cuboid below is 400 part. 5cm		
20	A rectangular hole measuring 18m by the greatest number of tiles that will dremainder.	12m cove	is to be covered by square tiles. Find the room without leaving any

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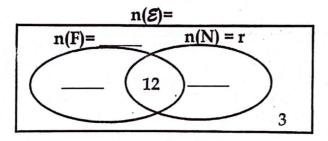
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(b) Express $\frac{3}{11}$ as a recurring decimal.

(02 marks

In a class, 20 pupils like football (F) only, r pupils like Netball (N), 12 pupils like both Football and Netball while 3 pupils like none of the two types of games.

(a) Use the above information to complete the Venn diagram below. (03 marks)



(b) If 17 pupils don't like Football at all, find the number of pupils who like Netball. (02 marks)

(c) How many pupils are in the class?

(01 mark)

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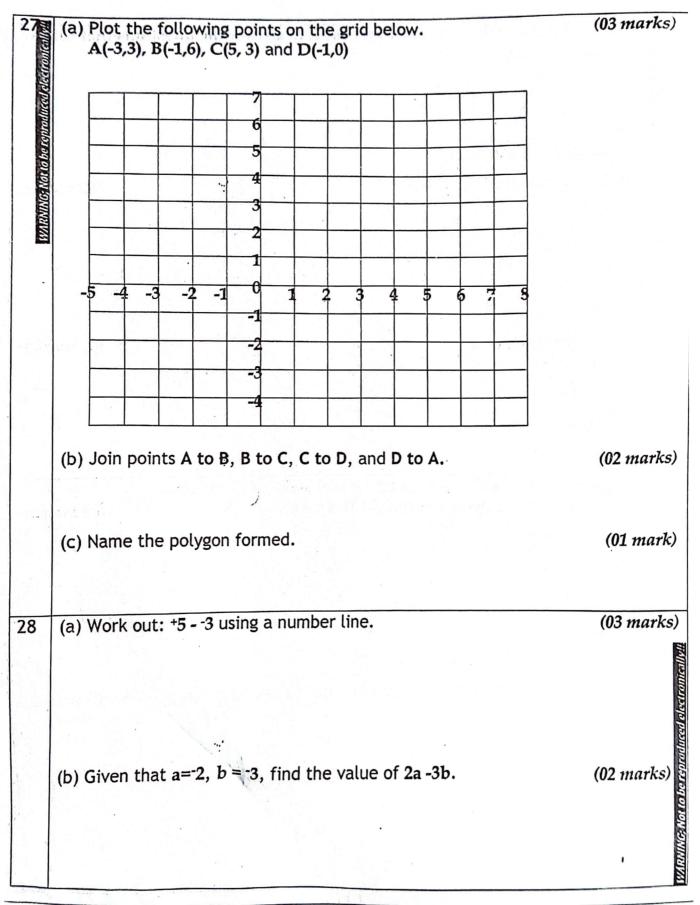
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23	(a) Work out the perimeter of the triangular field below given that $m = 4$ and $n = 2$. (04 marks)
cdra	
WARNING: Not to be reproduced el	
Vot to be	(3m)m
RNING	
288	
	(b) If poles are planted at our interval of 4m around the triangular garden, find the poles planted. (02 marks)
24	(a) The sum of 4 consecutive even numbers is 132. Find the numbers if the largest number is y. (02 marks)
1 G 1	
	(b) Find their range. (02 marks)
	ppiacod is
	perception of the second of th
	S. Wotte
	(b) Find their range. (02 marks)

25	Study the figure below carefully and use it to answer the questions t	hat follow.
nical		
ectro	Δ)m'	
ed el	$/$ p	
oque	<i>1</i>	
repri	690	
WARNING: Not to be reproduced el	$\stackrel{680}{\longrightarrow}$	
Vot t	(a) Find the value of \mathbf{m} .	(02 marks)
NG:		
<i>a</i> RNI		
8		
		-
1		
	(b) Find the value of p.	(02 marks)
	(a) the same of p	
1		- 1
24	Described a profit of 10%	
26	By selling an item at sh 77000, a trader realised a profit of 10%. (a) Find the price at which he bought the item.	(02 marks)
	(a) Find the price at which he bodght the item.	(02 11111113)
,		
		llydii.
	(1) At a tart and a mount he have sold in order to realise a loss of 100/2	(02 m anta)
	(b) At what price must he have sold in order to realise a loss of 10% ?	(02 marks)
		ıd olu
		quic
		(02 marks)
	•	ber
		0110
		G.N.
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lie.	The cost of a bar of soap is eleven times the cost of a kilogram of salt and the cost of a litre of milk is four times the cost of a kilogram of salt, if their total								
troi	cost is sh 8000.								
WARNING: Not to be reproduced electronics	(a) Find the cost of a kilogram of salt.	(03 marks)							
lucea	(a) and and a second a lime of the second and a second a lime of the sec	,							
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- ING									
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3									
	(b) Find the cost of 2 litres of milk.	(02 marks)							
7									
11 h									
30	Nambatua savarad a distance of 000m in 20 seconds								
30	Nambatya covered a distance of 900m in 30 seconds.	(03 marks)							
	(a) Calculate her speed in km/h.	(UD THUTKS)							
		(00 11001110)							
		(00 111111110)							
		(60 1100 110)							
		(00 11111111111111111111111111111111111							
		(00 11111111111111111111111111111111111							
		(00)							
		(00)							
	(b) If Nambatya continued at the same speed for 3 hours, what dis								
	(b) If Nambatya continued at the same speed for 3 hours, what dis she cover?								
		tance would (02 marks)							
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31	Ahimbisibwe prepared 120,000ml of juice for the school athletics team.
WARNING: Not to be réproduced electronically!!	(a) If the juice was packed into 20 litre jerry cans, find the number of jerrycans
lloi	which were packed. (03 marks)
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27.7	71. 16 - 1 . 1 . 1 . 1 . 1 . 1 . 1
	(b) If each athlete drank $1\frac{1}{2}$ litres of juice, find the number of athletes that
	were served with the juice. (02 marks)
32	The exchange rate of the United States dollars (US\$) to Uganda Shillings and
~~	Kenya Shillings (KSh) to Uganda Shillings are shown below.
	US\$1 = Ugsh.3600
	KSh1 = Ugsh.30
	(a) If a tourist entered Uganda with US\$ 720, find the amount he got in Uganda
	shillings after exchange. • (02 marks)
	(b) How many United States dollars can one get from 48,000 Kenya Shillings? (03 marks)
	(b) How many United States dollars can one get from 48,000 Kenya Shillings?
	(03 marks)
	(ob man ks)
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