

THE PRIME EXAMINATIONS 2022

P.7 PRE - PLE TRIAL SET VI

MATHEMATICS (Abridged Curriculum)

Time allowed 2 hours 30 minutes

INDEX NO:	Random No.					sonal N	ο.	Top up your classwork with Prime Learn	
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Candidate's	Name:							 ,	
Candidate's									
School Ran									
District ID:			,					 	

READ THE FOLLOWING INSTRUCTIONS CAREFULLY

- 1. Do not write your school or district name anywhere on this paper.
- 2. This paper has two sections: A and B Section A has 20 questions and section B has 12 questions.
- 3. 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.
- 6. 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.

FOR EXA	MINERS' US	E ONLY
QUESTION NUMBER	MARKS ATTAINED	INITIALS
1 - 5		
6 - 10	1	
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26		
27 - 28		white o
29 - 30		19 19
31 - 32		
TOTAL		,

APPROVED: Consultant Mathematics Department (PE)

PUBLISHERS OF:-

THE PRIME, SCHEMING FRAME WORKS, PUPILS WORKBOOKS, LESSON COURSE BOOKS, NOT HOLIDAY PACKAGES, LEARNING GAMES AND MORE.

Organised by: PRIME EDUCATIONAL CONSULT @2022 Kampala

Turn Over

	Section A (40 N	Marks)
1	Workout: 24 ÷ 8	2	Write in figures, "forty six thousand
			sixty one"
		,	
			4) 21 2v and
3	Given that set $H = \{2, 3, 5, 7, 11\}$	4	Find the mean of $(x + 4)$, $21,2x$ and
	and set $J = \{1, 2, 3, 4, 6, 12\}$. Show		(x+7).
	the elements of the two sets on		,
	Venn diagram.		
	H		
5	The clock face below shows time in	6	Simplify: $3(2 - y) + 6y$.
	the evening.	Ų,	Simplify: $3(2-y) + 6y$.
	Write the time shown in 24-hour	1	
- 1	clock.		
	11 12 1		
. '	$\begin{pmatrix} 10 & 1 & 2 \end{pmatrix}$	i, g	
	(9)		
	7 6 5		
1 .			
7	1,	8	Find the volume of the triangular
1 - 1	A motorcycle consumes $\frac{1}{4}$ litres of		prism below.
	petrol for every 6km. How many	ar it	
	litres of petrol can it use to cover		600
	48km?	Tig or	6cm
			h
. 7		-,4	12cm
			8cm
-			
4			
. 14	용하다. 경기에 되는 그는 그를		
	A Company of the Comp		

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9	Using a protractor, a ruler and a sharp pencil. Draw an angle of 60° in the space below.
10	
10	Find the next number in the 11 Workout: $(75 \times 38) + (25 \times 38)$
	sequence. 2, 3, 7, 16, 32,
>	
12	Workout: +3 + -7 on the number line below.
	4 -3 -2 -1 0 +1 +2 +3 +4 +5 +6
,	
	그리지, 이 티 된 그 그리고 하는 사람은 사람은 바다 하게 되는 지수 하고 있는 아니다. 그는 이 그를 다 다른 사람이 되었다.
13	Round off 6789 to the nearest hundreds. A jidiru drove for $1\frac{1}{2}$ hrs from Lown R to town T. Town R is 87km from town T. At what speed was Ajidiru
8	travelling?
,	
, (.)	

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16 Given the exchange rates below. Draw tallies to represent 23 pupils. KSh1 - Ush.36 US\$1 = Ush.3500.Convert USD 180 to Kenya shillings. Find the value of q in degrees. 17 125^{0} 18 Increase sh.45000 by $12\frac{1}{3}\%$. 19 Solve: $3n + 2 \le 14$ Cups of 500ml were used to fill a ten litre jerrycan with milk. Find the number of full cups which were used. © Prime Educational Consult 2022. TEL: 0393 283600, 0752 999554, 0772 097028, 0704 924083
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Section B (60 Marks) 21 In a certain class, all pupils speak Luganda. Given that (2w + 3) pupils speak Luganda and English (E) only, 28 pupils speak Luganda and French. (F) only, 17 speak all the three languages while (w - 8) pupils speak Luganda only. (a) Complete the Venn diagram below. (2marks) n(L)E (b) If 60 pupils speak Luganda and English, find the value of w. (2marks) (c) Find the total number of pupils in the class. 22 (2marks) (a) Express 0.2666...... as a vulgar fraction.

(b) Simplify: $\frac{3}{4} \times \frac{4}{9} \div \frac{4}{5} + 1\frac{1}{2}$ (3marks)

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(1mark)

23	Find the sum of the value of 2 and the value of 3 in the number 1302fou	(3marks)
,		•
,	(b) Workout: 23 _{five} x 14 _{five}	(2marks)
		i. Litar
24	The rectangular sheet of metal below was to be curved into a cylindric	al water
~ '	tank.	
	70cm	
		•
• ,	220cm	1 (1)
	(a) Find the diameter of the cylindrical tank. (Take $\pi = \frac{22}{7}$)	(2marks)
j		
r sk		
		e A
,		
	(b) How much water in litres can the cylindrical tank hold when full?	(3marks)
- 5		1.4
		4.7
		المناء
		Page 5
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25	A pupil bought the following items from the market.
	3kg of sugar at sh.4000 a kg. 500g of rice at sh.5000 per kg. 5 kg of wheat flour at sh.7200 for every 2kg.
	(a) How much money did the pupil pay altogether? (4marks)
	(b) If the pupil was given a balance of sh.2500, how much money did the pupil have at first? (1mark)
,	
26	(a) Using a ruler and a pair of compasses only, construct a parallelogram WXYZ where \overline{wx} = 8cm, angle WXY = 45° and \overline{wz} = 5cm. (4 <i>marks</i>)
	마이스 보고 있는 그 있다. 그 전에 가는 사람이 있는 사용이 있어요? 사용이 되었다. 사람은 사용 전에 발표한 발표를 보고 있는 사용이 있는 사용으로 보고 있다. 사용이 사용이 사용이 되었다.
,	
3Å	
	(b) Measure the length of diagonal WY. (1mark)
4	
v	

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LESSON COURSE BOOKS AND PUPILS' WORKBOOKS.

-11 1	Mass(kg)	55	52	150	·	1-10-1		
	No. of boys	. 4	1	45°	X	48		
	Tion of boys	4	1	2	2	1	i.	
	(a) If their mean n	nass is 4	9kg, fir	nd x.	1 / 1			(3marks)
								• • • • • • • • • • • • • • • • • • • •
. (b) Find the mediar	mass.	1,11115				girn is	
								(2marks)
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\ -		•			· .			
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- 1		11.	1					
	·			. ' . ' .) .			
28 (a) The interior and	A SUM O	fores		·)			
28 (a) The interior angl polygon?	e sum o	f a reg	ular po	olygon	is 540°.	How man	y sides has the
28 (a) The interior angl polygon?	e sum o	f a reg	ular po	olygon	is 540°.	How man	y sides has the (3marks
28 (a) The interior angl polygon?	e sum o	f a reg	ular po	olygon	is 540°.	How man	y sides has the (3marks
28 (a) The interior angl polygon?	e sum of	f a reg	ular pc	olygon	is 540°.	How man	y sides has the (3marks
28 (a) The interior angl polygon?	e sum o	f a reg	ular po	olygon	is 540°.	How man	y sides has the (3marks
							How man	y sides has the (3marks
							How man	(3marks
	The interior angle polygon? In the figure below						How man	y sides has the (3marks (2marks)
		w, find (How man	(3marks
	In the figure belo	w, find t					How man	(3marks
	In the figure belo	w, find (How man	(3marks
	In the figure belo	w, find t					How man	(3marks
	In the figure belo	w, find t					How man	(3marks
	In the figure belo	w, find t					How man	(3marks
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29	Kana, Sande and Juma shared books in the ration 4:5:6 respectively. and Sande both got 36 books,	lf Kana
	(a) how many books did they share altogether?	(3marks)
		. , ' .
	(b) Find the number of books Juma got.	(2marks)
		•
30	Madra is 56 years old and his son is 8 years old.	
•	(a) After how many years will Madra be thrice as old as his son?	(3marks)
	(b) How old will the son be then?	(2marks)
	(b) flow old with the soil be then:	(Zmurks)
		•
je!		
-		
31	The volume of the cuboid below is 480cm ³ .	
		y des
1	10cm	
	Toem	
,		
	8cm	
5	(a) Find the width of the cuboid.	(3marks
		•
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	(b) Work out the total surface area of the cuboid.	(2marks)
	(b) Work out the total surface area of the cubord.	
		* "
		, 4
		de a se
32	A taxi travelling at a steady speed of 60km/hr took 3 hours to travel	from town
	A to town B. It rested for 30minutes at B and returned to town A at a 72km/hr. Calculate the average speed of the taxi for the whole journ	Special
	72km/m. Calculate the average speed of the taxi for the whole jour	(5marks)
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Hidden Tip For Excellence in Mathematics.

- Passionately engage in study groups especially for those areas/concepts that are challenging to you.

- During these discussions, give and as well listen to other members' views to get the most appropriate answers.

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