

THE PRIME EXAMINATIONS 2022

P.7 PRE - PLE TRIAL SET IV

MATHEMATICS (Abridged Curriculum)

Time allowed 2 hours 30 minutes

INDEX NO:	Random No.		Personal No.	classwork with Prime Learn	
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Candidate's N	lame:		(Er Ajri b)	18 1 18 2 12 4 6 1 FB	
	Signature:				
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District ID:					

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.
- 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 gu stion paper.

FOR EXAMINERS' USE ONLY				
QUESTION NUMBER	MARKS ATTAINED	INITIALS		
1-5		4-14-		
6 - 10				
11 - 15	- Services			
16 - 20				
21 - 22				
23 - 24				
25 - 26	8	t Doubles		
27 - 28	ng ng 1 sh	. 15 mm		
29 - 30				
31 - 32	You do			
TOTAL	No. of			

APPROVED:

Consultant

Mathematics Department (PEC

PUBLISHERS OF:-

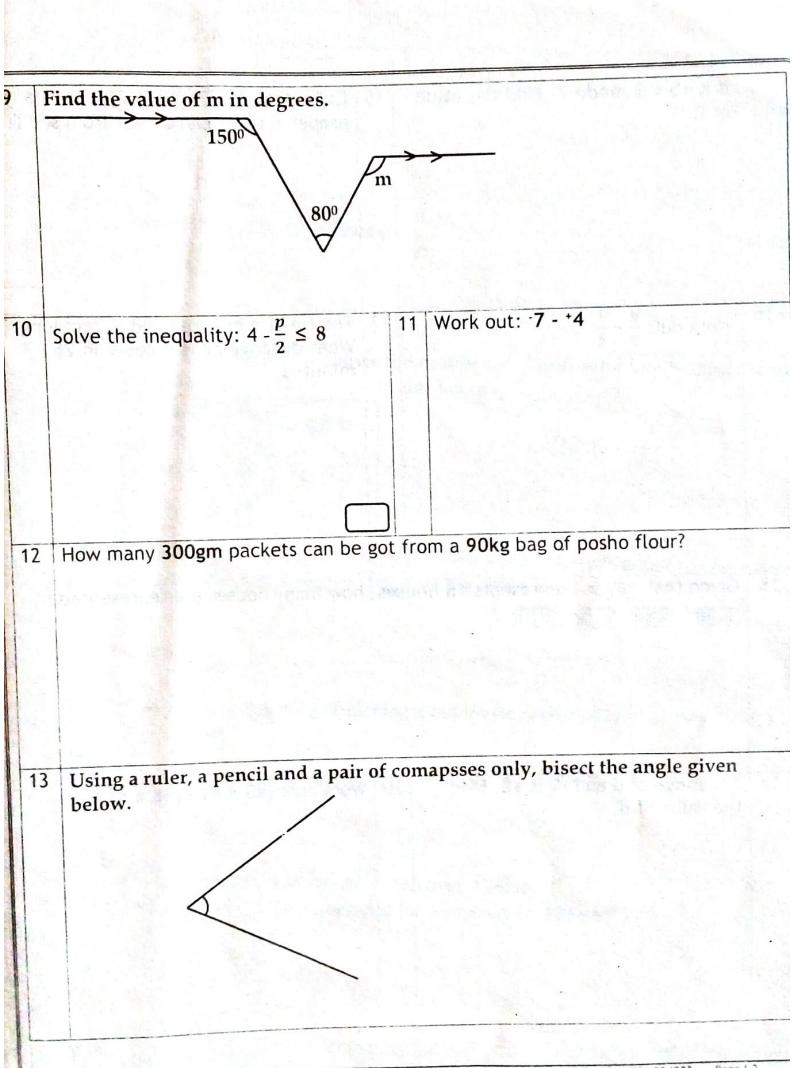
THE PRIME, SCHEMING FRAME WORKS, PUPILS' WORKBOOKS, LESSON COURSE BOOKS, HOLIDAY PACKAGES, LEARNING GAMES AND MORE.

Organised by: PRIME EDUCATIONAL CONSULT @2022

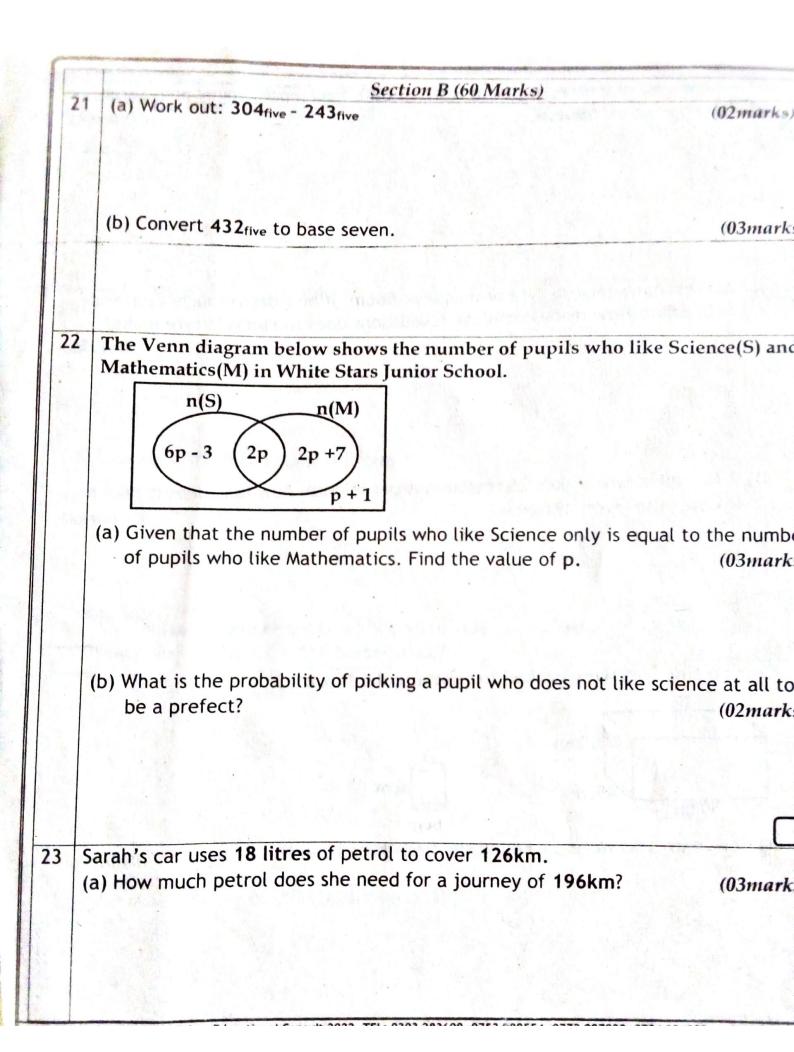
Kampala

Turn Over

_	Section A (40 N	<u> Iarks)</u>
	Workout: 68 - 36	1	
3	Given that set $A = \{1,2,3,5,6,7,8,9\}$ and set $B = \{2,4,6\}$. Find $n(A \cap B)$	4	Find the reciprocal of three quarter
5	The average age of 16 pupils is 12 years. What is their total age?	6	Find the next number in the sequence below. 256, 64, 16, 4,
7	George paid sh.80,000 for a radio after a discount of 20%. What was	8	Questions All the wasterns All the wasterns All the wasterns All the wasterns Amotorist covered 90km in 45
	the marked price of the radio?		minutes. At what speed was he travelling in km/hr?



14	If K +5 = 3 mode 7. Find the value of K.	15	Given that set $T = \{8,7,2\}$, how man proper subsets can be got from set	
16	Work out: $\frac{8}{9} - \frac{1}{4}$	17	The tip of a minute hand is 7cm long What distance does it cover in 25	
			minutes.	
18	Given that 電点 represents 18 houses, how many houses are represented by			
19	The range of d and -9 is +8. Find the value of d.	20	Work out: (93 x 8) - (48 x 8)	



	(b) If the cost of 2 litres of petrol is sh.10,000, how much money does Sarah spend to cover 196km? (02mark)	s)
24	(a) Antonia has a bicycle tyre of diameter 56cm . If he rides through a distance of 0 . 88km.How many complete revolutions does the bicycle tyre make? (03mark	
	(b) If Antonia's tyre makes 25 revolutions per minute, how long does it take hir to cover the given distance? (02marks	
25	Circular tins of A were packed in a rectangular box B. B 40cm A 8cm	
	6cm (a) How many tins were packed in the first three layers? (03marks)	

(02marks) (b) Find the volume of the rectangular box. (03marks) (a) Solve for n: $2^{3n} = 2^3 \div 64$ 26 (02marks) (b) Express 0.00392 in standard form. A school bursar issued receipts worthy sh10,000 numbered from 4572 to 4771. (02marks)(a) How many receipts did the bursar issue? (b) How much money did the bursar collect? (02marks)

8.8	Kavule takes (P+2) hours to travel from X to Y. It takes him 2 more hours from town Y to Z. If the total journey takes him 10 hours, how does he take to travel from X to Y?	ours to much time (05marks)
	MACINI CONTRACTOR CONT	
29	The figure below represents a rectangular metallic sheet to be followed as a subject t	dod to
	make a cylindrical tank.	cr pap
	35cm	
	176cm	
	(a) Find the area of the circular sheet needed to cover the bottom.	(04marks)
		(04murks)
	(b) Find the volume of the cylinder formed.	
1		(02marks)
-		after one of
	그래요 그 그 그 그 그는 그는 그는 그를 가는 그를 가는 그를 가는 것이 되었다. 그리고 그를 가는 것이 없는 것이 없는 것이 없는 것이다.	

30 The exchange rates at a forex bureau are as shown below.

Currency	Buying	Selling
Ksh	37	38
Us\$	3650	3700
Pond sterling	4300	4400

(a) If Hassan had Ugsh.332500, how much Kenya shillings was he given?

(02marks)

(b) Annet had 176 United states dollars, how many pounds did she get?
(03marks)

On a farm, $\frac{1}{4}$ are cows, $\frac{1}{4}$ are goats and the rest are sheep. If the total number of cows and goats is 280, find the number of sheep. (05marks)

32 A motorist left town P at 7:20am driving at an average speed of 40km/hr for 3hrs to town

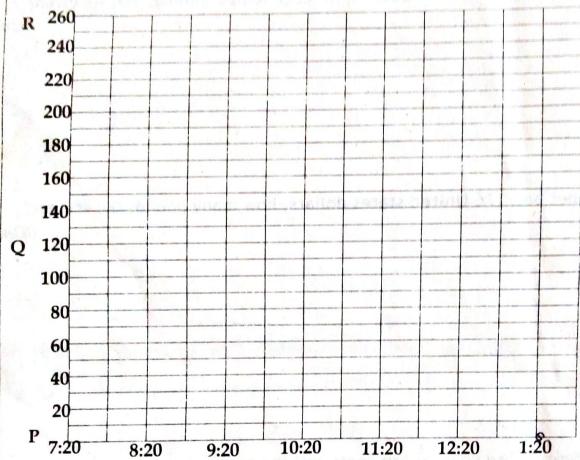
Q. He stopped at Q for 30 minutes and left for R driving at 50km/hr for $2\frac{1}{2}$ hrs.

(a) Represent the motorist's journey on the graph below.

Use a scale of: Vertical axis 1cm box to rept.10km

Horizontal axis 1cm box to rept. 30mins.

(03marks)



(b) At what time did the motorist leave town Q for R.

(01mark)

(c) Write the arrival time at town R in 24hour clock system.

(01mark)



Hidden Tip For Excellence in Mathematics.

Understanding and appreciating that mathematics in not about memorizing isolated techniques but rather mastering concepts.