MPIGI DISTRICT ACADEMIC BOARD PRE-PLE EXAMINATIONS 2023

MATHEMATICS PRIMARY SEVEN

Time Allowed: 2 Hours 30 Minutes

Index No.					Personal No			
				2				

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Pupil's Name:							
Pupil's Signature:	· · · · · · · · · · · · · · · · · · ·				12	- A - 4	-
School Name:							
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READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1	The paper	is mad	te up of	two	sections:	Α	&	В

- 2. Section A has 20 questions (40 marks)
- 3. Section B has 12 questions (60 marks)
- 4. Answer ALL questions in both sections A & B
- 5. All answers must be written in the spaces provided in

BLUE or BLACK ink. Only diagrams should be drawn in

pencil.

- 6. Unnecessary crossing of work will lead to loss of marks
- 7. Poor handwriting, which cannot be easily read may lead

to loss of marks.

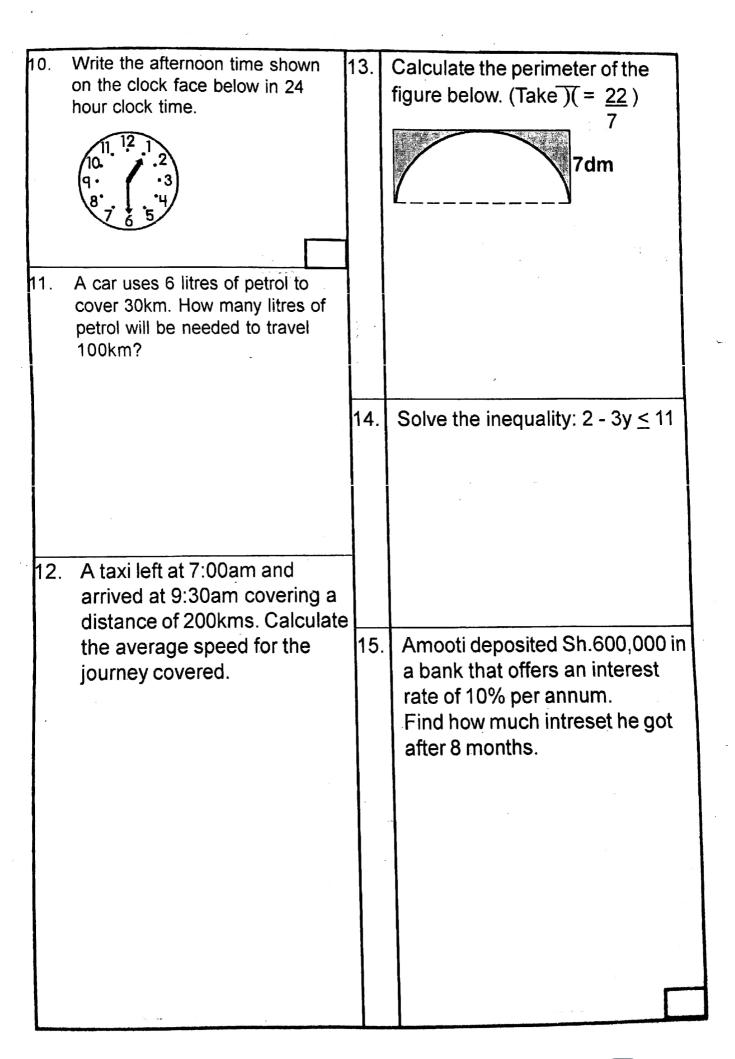
8. Do not fill anything in the boxes shown.

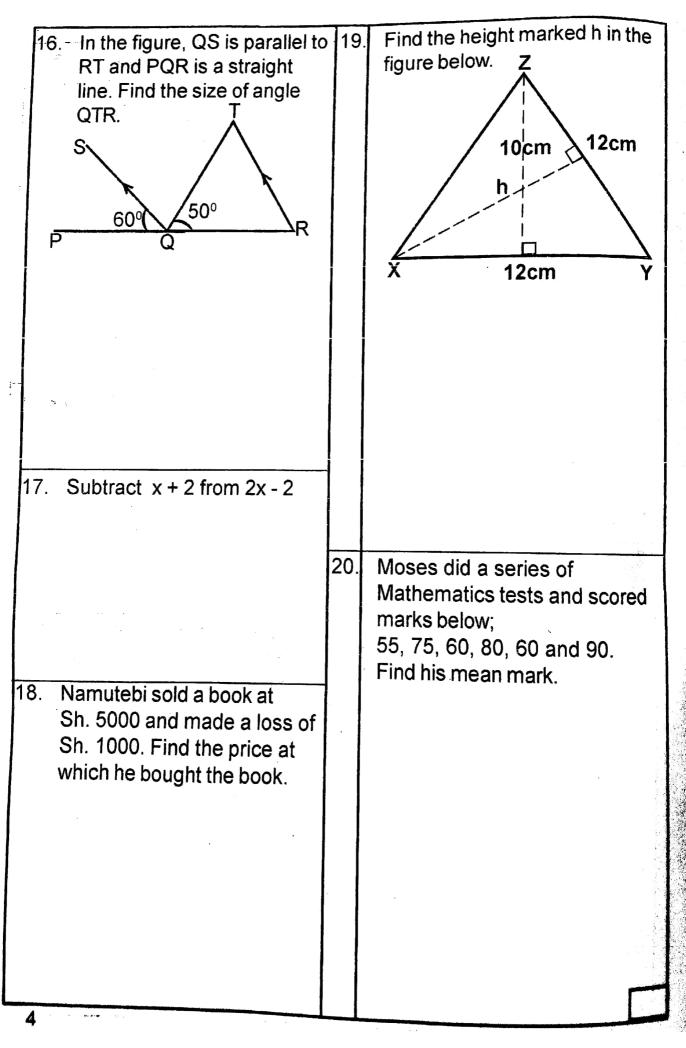
FOR EXAMINERS' USE ONLY					
PAGES.	MARKS	EXAMINER'S	COLUMN TOWN		
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Turn Over

SECTION: A (40 MARKS)

1.	Work out; 22 + 13	7.	Work out: 0 . 2 x 0 . 32 0 . 16
2.	Write 20095 in words.		
		8.	With the help of a ruler, a sharp pencil and a pair of compasses only, Construct an angle of 45° in
3.	Express 96 in Roman Numerals		the space below.
	Cinamifer -C -0		
4.	Simplify: -68.	9.	The rates at which Centenary Bank buys and sells United States dollars are given in the table below. Unit Currency Buying rate in Ugsh Selling rate in Ug sh
5.	Find the next number in the sequence. 2, 3, 7, 16, 32,		A tourist from United States toured Queen Elizabeth National park in Uganda and bought a watch at \$ 10. How much did the tourist pay in Uganda shillings?
6.	In the diagram below, shade the region that represents PUQ -P.		





SECTION: B (60 MARKS)

In a class, all publis eat chicken (C), 20 pupils eat chicken and Fish 21. (F), 25 pupils eat chicken and meat (M), 2m eat chicken and Fish only, m + 5 eat all the three types of food while 7 eat only chicken. Use the information above to complete the Venn diagram below. a) (2 Marks) F M 2_m Find the value of m. b) (2 Marks) How many pupils are in the class? C) (2 Marks) A pupil wrote the following digits 4, 6, 0 and 7 on cards. 22. Write the smallest 4 - digit number using each digit once. a) (1 Mark) Form the largest 4 - digit number using each digit once. b) (1 Mark) Find the sum of the largest and smallest numbers formed in c) (a) and (b) above. (2 Marks)

Okello went to the market and bought the items as shown below. 23.

Complete the table correctly. a)

(5 Marks)

		COST	TOTAL COST
ITEM	QUANTITY	COST	
Beef	3kg	Sh. 15000 a kg	Sh
Cooking oil	ml	Sh.4000 a litre	Sh. 2000
Tomatoes	5 heaps	Sh @ tomato	Sh. 4500
Rice	1 ¹ / ₂ kg	Sh. 5000 per kg	Sh
TOTAL	EXPENDITUR	E	Sh

If Okello was given a discount of 10 %. How much did he pay? b)

(1 Mark)

On a farm 1/3 of the land is used for growing Millet, 3/4 of the remainder is for growing Maize and the rest is for growing Bananas.

What fraction of the land is used for growing Bananas? a)

(3 Marks)

b)	If 10 acres are used for growing Bananas, What is the total area of the farm?
	/2 Marks
25a)	(2 Marks) Using a pencil, a ruler and a pair of compasses only, construct
ĺ	a quadrilateral ABCD where \overline{AB} = CD 8cm, Angle DAB = 45° and \overline{BC} = AD 5cm.
	Drop a perpendicular from D to meet AB at K.
	,
	(4 Marks)
b)	Measure length DK.
	(1 Mark)
20	and a marks for every correct answer and
26.	deducted 2 marks for every wrong answer while marking a test.
	The test had 20 questions.
(a)	Juma got 12 correct answers, how many marks did he get
	altogether?
	(2 Marks
1	(2 1010

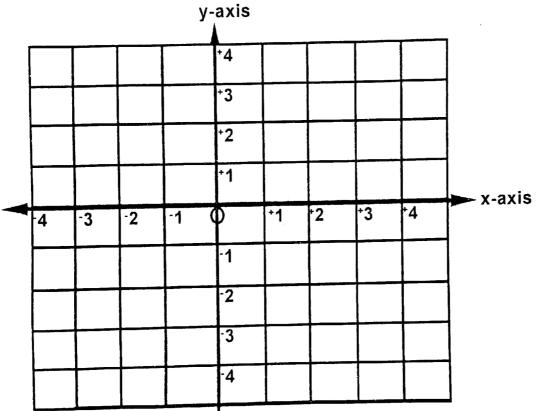
			ital abo got?
	1.50	how many correct answers	and she der:
1-1	If land ant 50 marks	now many correct answers	, ala on s
Ini	II Jane dol do marko,	11071 111211	

(2 Marks)

27. On the graph below.

a) Plot the following points;

 $P(^{-}3, ^{+}2), Q(^{-}3, ^{-}2), R(^{+}4, ^{-}2) and S(^{+}1, ^{+}2)$



(4 Marks)

b) Join the points P to Q, Q to R, R to S and S to P.

(1 Mark)

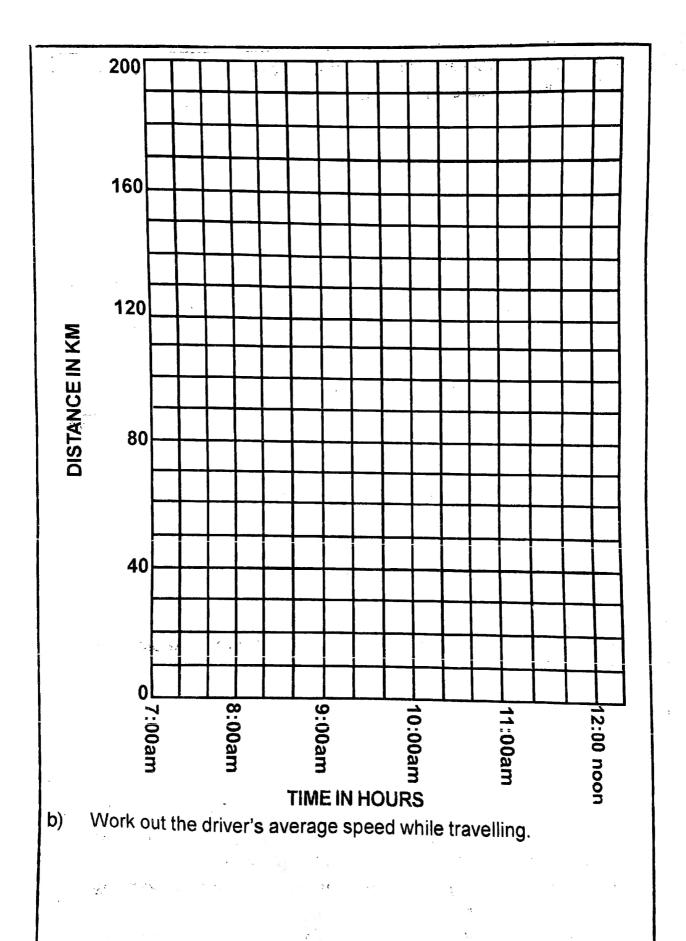
c) Calculate the area of the figure formed in (b) above.

(1 Mark)

A rectangular container (A) holds 1.2 litres of liquid when full. Container B Container A 10cm 24cm How many cm³ of liquid are there in container A? a) (2 Marks) If the rectangular base of container B measures 24cm by 10cm and What is the height of the tank? b) (3 Marks) 29. Study the figure and use it to answer the question below. 80° 120°

a)	Find the value of angle t	ż
	(3 Ma	rks)
b)	The interior angle of a regular polygon is 90° more than its exterior angle. Calculate the size of the exterior angle.	
	(2 M ar	ks)
_		
30. a)	Kansiime left town X and travelled 40km east wards to tow She then left town Y and travelled 30km south wards to tow Draw a sketch diagram to show Kansiime's route.	n Y. wn Z
	(1)	/Jark)
10		

the same transfer of the same	
Construct an accurate diagram using a scale of 1cm 10km showing Kansiime's route.	to represent
	(0.14
Find the chartest distance in least 1	(3 Marks)
ind the shortest distance in kms between towns X a	nd Z.
	ą
	-
	(1 Morts)
Solve for Y: 3v 2 (v 1) = 4	(1 Mark)
3x - 2(x - 1) = 4	
	,
	(2 Marks)
	(2 Marks)
A daughter is 20 years younger than her mother. In 1 the daughter's age will be a half her mother's age. Ho mother now?	, ,
2	
	s.
	(3 Marks)
A bus driver left Kampala at 7:20 am travelling at speed of 50km/h for 2 hours to Iganga. He rested	t an average d for
a distance of 100km for another 2 hours.	
Show the above information on the graph below.	
	(4 Marks)
	Find the shortest distance in kms between towns X at Solve for X: 3x - 2(x - 1) = 4 A daughter is 20 years younger than her mother. In 1 the daughter's age will be a half her mother's age. He mother now?



CS CamScanner

(2 Marks

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