VICTORIOUS PRIMARY SCHOOLS

PRE-PLE INTERNAL SET 1 2024

MATHEMATICS

Time Allowed: 2 hours 30 minutes

Random No.				Personal No.		

Candidate's Name:					
Candidate's Signature:					
District 1D:					
Read the following instructions en	arefully:				
Do not write your school and district name on this		FOR EXAMINERS' USE ONLY			
paper. 2. This paper has two sections: A has 20 questions and Section B		Qn.No.	MARKS	EXR'S NO.	
Answer all questions. All the w		1 - 5			
sections A and B must be shown provided.		6 - 10			
	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		16 - 20			
marked. 5. No calculators are allowed in the	ne examination	21 - 22			
room.		23 - 24			
Unnecessary changes in your w handwriting that cannot easily b		25 - 26			
loss of marks.		27 - 28			
7 Do not fill anything in the table indicated: "For Examiners' Use only"		79 - 70			
Por Examiners one and		31 - 32			

TOTAL

Work out: 134 – 23

2. Write 3019 in words.

3. Solve for n: 5 - 2n = 7

4. Express $\frac{2}{5}$ kgs as grammes.

5. Set K has 15 proper subsels. Find number of elements in set K.

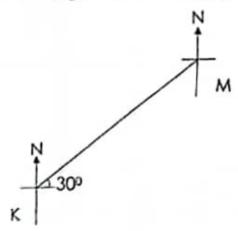
6. Workout 2.0 - 0.5

A man's salary was increased by 12½%. Calculate his new salary if the original salary was sh. 320,000.

3. Find the next number in the sequence;

 A motorist covered a distance of 100 metres in 5 seconds. Work out his speed in kilometres per hour.

10. In the diagram below, find the bearing of K from M.



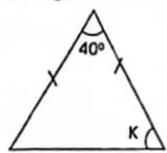
1. The probability of a team winning a game was \frac{3}{2} if the team won 9 games, how many games did the team loose that season?

 A table costs four times as much as a chair. If the difference in their costs is sh. 24000, find the cost of a chair.

14. Workout: *3 - -5

15. A business man sold a radio at sh.200,000 making a loss of 20,500. What was the cost price of the radio?

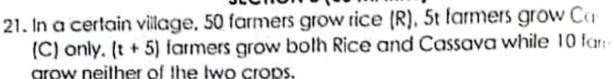
16. The figure below is an Isosceles triangle. Find the size of angle K.

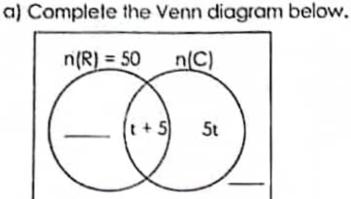


17. Express 12:43d.m. in 24noor clock lime.
18. Moses scored the following marks in a lest 9, 8, 7 and 4. Find Moses' mean mark.
19. A head teacher collected sh. 30,000 from each candidate during PLE registration. If he collected sh. 2,550,000 from all the candidates, how many candidates are in his school?
20. A maths home work is given after every 2 weeks, SST after every 4 weeks while English after every 3 weeks. After how many days will the three subjects be given out on the same day?
CS CamScanner

SECTION B (60 MARKS)

grow neither of the two crops,





(2 marks

b) Given that 40 farmers don't grow rice, find the value of t. (2 marks)

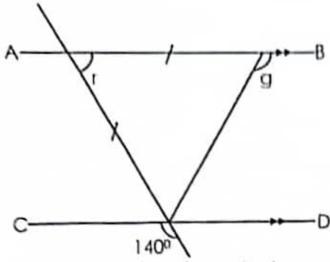
22. a) Find the number that has been expanded to give:

(2 marks)

b) Change 102 to base five.

(4 marks)

 Study the figure below carefully and use it to answer the questions that follow.



a) Find the size of angle marked r.

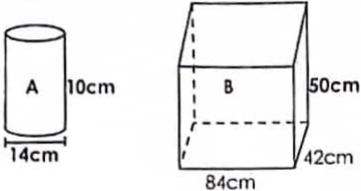
(2 marks)

b) Calculate the value of g in degrees.

(3 marks)

24. A motorist left town A at 11:30 a.m. at a steady speed of 54km/h reaching town B at 2:00p.m. He stayed in town B for 30minutes and continued to town C at a speed of 85km/hr for 2 hours. Calculate the average speed of the motorist for the whole journey. (5 marks)

25. In a blue band factory cylindrical tins of size A are packed in boxes size B.



a) How many cylindrical tins of size A can be packed along the first layer of box B? (2 marks)

 b) Find the total number of cylindrical tins of size A that will be packed in box B.
 (4 marks)

26. A primary school has a population of 1200 pupils, ³/₅ are girls and ³/₄ of the boys are in upper primary classes.
 a) Find the number of boys in upper primary classes. (3marks)

 b) Express the number of boys in lower primary classes as a ratio of the number of girls.
 (2 marks)

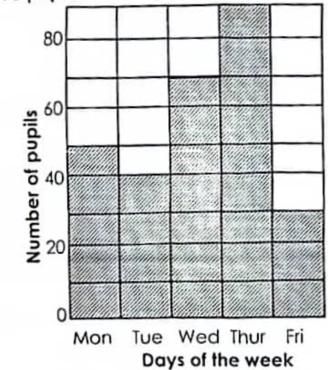
- 27. The median of three consecutive counting numbers is 2p. If the sum of the first and the third number is 12.
 - a) Find the value of P.

(3 marks)

b) Work out their average.

(2 marks)

The graph below shows one week's daily attendance of a Primary Six of 90 pupils.



a) How many pupils were absent on Friday?

(1 mark)

b) What fraction of the class attended on Wednesday?

(2 marks)

c) Which day recorded the highest number of absentees?

(1 mark)

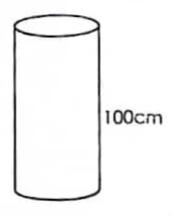
triangle KLM where LM = 6.5cm, angle KLM = 75°	and KL = 5cm (4 marks
b) Measure the length KM	(1 mark)
D. Ochola went to the market and bought the follow	ving items;
3kgs of rice at sh. 4500 per kg	
750g of salt at sh. 2000 per kg	
12 tomatoes at sh. 1500 per every 4 tomatoes	
a) Calculate the total cost of all the items.	(4 marks)
a) calcolore the foldi cost of all thousand.	(m.m.m.
	discount was he
b) If Ochola paid sh. 19000 for the items, how much	
given.	(2 marks)



31. A pen costs sh. 2y less than a book. A book costs sh(4y + 200). If the total cost of a pen and a book is sh.2800, find the actual cost of the book.

(4 marks)

32. A milk seller filled the container below with 15.4 litres of milk.



Calculate the diameter of the container $(\pi = \frac{22}{7})$

(5marks)