THE DREAM EDUCATION CONCERN

PRE-PLE SET V - 2024

MATHEMATICS

Time allowed 2hours & 30minutes

Candidates 'Name: ....

School: ....

Candidates' Signature: ....

INDEX NO

Random Number						Personal No.		

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO

Read the following instructions carefully

1. This paper is made up of two sections: A and B.

2. Section A has 20 questions (40 marks).

3. Section B has 12 questions (60 marks).

4. Answer ALL questions in both sections A and B.

5. All answers MUST be written in the space provided in blue or black ball point pens or ink.

6. All diagrams Should be in pencil.

7. Unnecessary crossing of answers will lead to loss of Marks.

8. Poor hand writing which cannot be easily read, may lead to loss of marks.

FOR EXAMINERS' USE ONLY		
Qn. No	MARKS	SIGN
1– 10		
11-18		
19-22		
23-24		
25-27		
28-31		
31-32		
TOTAL		

Approved

SECTION A (40 MARKS)

|			
1	Multiply 4 x 6 �_____	2	Write 69,002 in words.
3	Namataka bought a skirt at sh. 8000 and sold it at sh.9200. What was her percentage profit?	4	Find the size of angle P in the figure below
5	Find the next number in the sequence. 17, 12, 8, 5, 3, _____	6	Find the complement of angle of 80°
7	A bus carries 59 passengers per trip. How many passengers will the bus carry if it makes 12 trips?	8	Write XCIV in Hindu Arabic.
9	The average weight of Peter, James and John is 51kg, if the	10	Change 110_{two} to denary base

weight of peter is 53kg and that of James is 46kg. Find the weight of John.

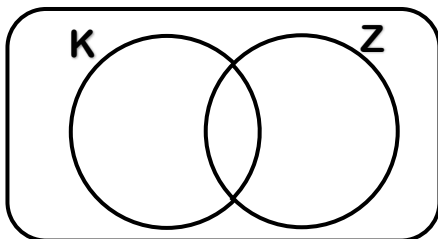| 11	Okomba bought the following number of cows during the week as follows					
	Days of the week	Mon	Tue	Wed	Thur	Fri
	No of cows	3	2	5	7	8

Calculate the range of Okomba's weekly purchase.

12 Write the mathematic statement below
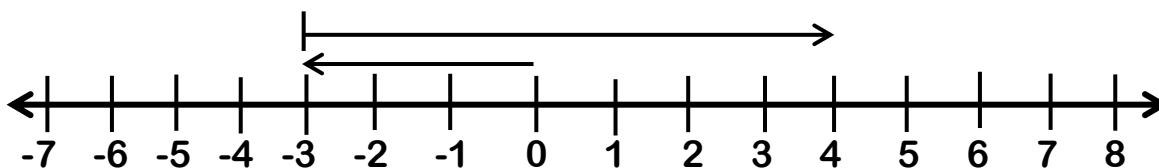
13 Solve the inequality -2p + 4 > 6

14 Shade the complement of K U Z in the Venn diagram below.


15 Workout $1\frac{1}{2} - \frac{5}{6}$

16	Namukose got a simple interest of sh. 18000 after depositing sh.90,000 in Baroda bank at an interest rate of 10% per annum. Find how long Namukose's money was in a bank.	17	Primary four will have a party next week. Find the probability that the party will take that day which starts with T.
18	The time on a 24hour clock is 42hours, What time will it be on a 12hour clock?	19	Babirye drove from town A to town B at a speed of 72km per hour. town A is 90km away from town B. Calculate the distance she took to reach town B.

20	The figure below is a trapezium where AB = AD =14cm, BC = 28cm and ABD forms a quarter of circle. calculate the are of the shaded part. (use $\pi = \frac{22}{7}$)
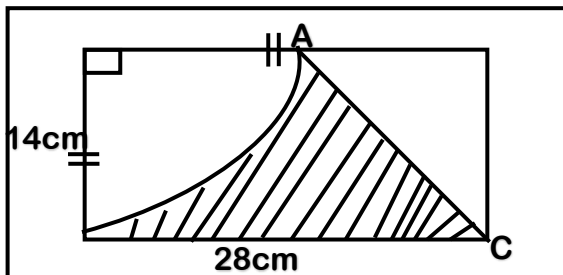
SECTION B (60 MARKS)

21 In Divine nursery and primary school, 60 boys who represented the school in the county sports day played the following games 24played football (F) 2played both Hockey and Rugby only, 5played both football and rugby and 1 played all the three games

H = _____

R = _____

2

1

F = _____
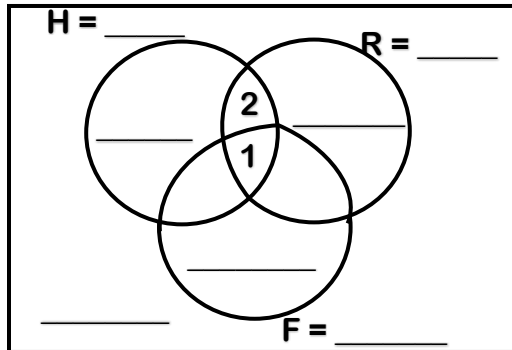
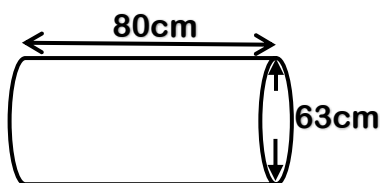(a) Fill in the black spaces in the above Venn diagram.

(b) How many boys played only one game?

(c) How many boys did not play any game?

22 Work out $\dfrac{2.7 \times 4.8}{2.4 \times 3.6}$

(b) Simplify $1\frac{1}{6} \times 1\frac{1}{7} \div 2\frac{1}{3}$ (2 marks)

| 23 | The diagram below shows a metallic drum which was cut open to form a door sheet. use it to answer the questions that follow. (5marks)

80cm
63cm

(a) Find the length of the above door which was cut made out an iron sheet.

(b) Calculate the area of the door in meters. |
|---|---|
| 24 | Okello spends $1/4$ of his salary on food, $1/3$ on clothing, $1/12$ on fees, $1/6$ on entertainment and banks the rest which is sh.27000.
(a) What fraction on salary does he bank?   (5 marks)

(b) How much does Okello earn as salary |
| 25 | Ssalongo is a business man who has 200 bags of maize flour each weighing 50kg.   (6 marks)
(a) Find the weight of kg in tonnes.

(b) If a pickup carries 2tonnes per trip, work out the number of bags a pickup ill carry in one trip. |

(c) Find the number of trips the pickup will make to transport the whole flour from the milling machine to Ssalongo's shop.

26 | Wammagu went to the super market with sh.10,000, after shopping all the items in the table below, he remained with sh. 400. study the table and answer the questions that follows.

ITEMS	QUANTITY	PRICE PER KG	AMOUNT SPENT
Posho	.............kg	sh. 700	sh. 2800
Beans	2kg	sh. 1300	sh.................
Rice	.............kg	sh. 600	sh. 1800
Sugar	3kg	....	....
Total Expenditure			....

(a) By show of working, complete the table

27 | A fruit seller sold the following number of oranges in six days. 60, 35, 28, 40, 42 and 35.
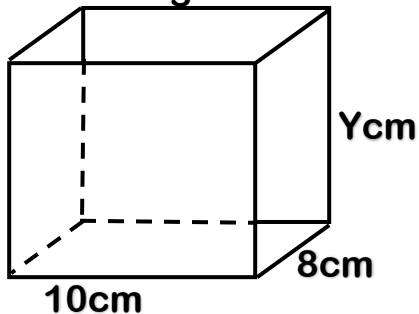**(a)** What is the modal number of oranges sold?

(b) Work out the mean number of oranges sold.

(c) By the end of the seventh day, the mean number of oranges was 44. How many oranges were sold on the seventh day?

| 28	Kafero sold a plot to Mandela at sh. 63,000 making a loss of 10%. Mandela later sold the plot to Kabako at a profit of 15%. (a) Calculate the amount of money Kafero paid for the plot. (b) For how much did Mandela sell the plot to Kabako?

29	The sum of length of all the edges of the prism below is 96cm. Ycm 8cm 10cm (a) Find the length of edge Y.

(b) Calculate the volume of the prism.

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30 Using a ruler, pencil and a pair of compasses only, construct a quadrilateral ABCD where line AB = 7cm and angle ABC = BDA = 60° and AD = BC = 3.5cm.

(b) Measure length DC.

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31 In the diagram below, line DH is parallel to FE, angle FAD is twice angle DAC. Study the diagram below and use it to answer the question that follows.
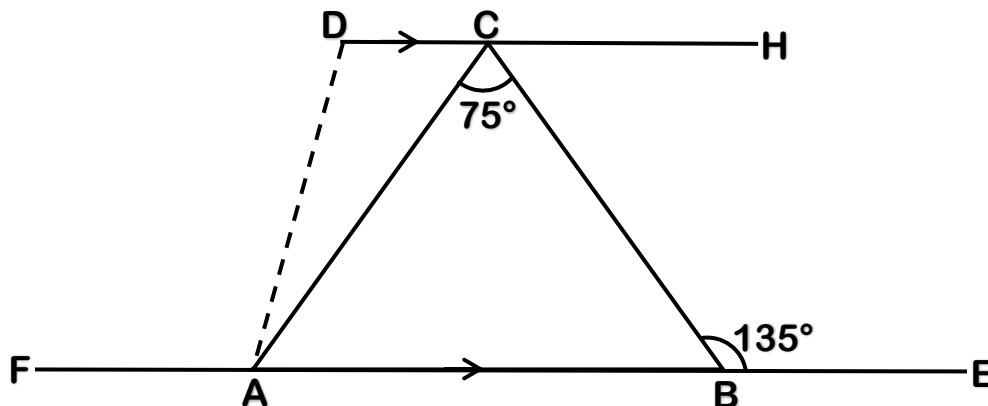
(a) Calculate the size of angle DAC

(b) Find the value of angle ADC.

32	Given that x = 2y + 1. complete the table below.						

X	1	....	5	....	9
Y	....	1	....	3	....

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