

THE SIPRO END OF TERM I EXAMINATIONS 2024

SUBJECT : MATHEMATICS
CLASS : PRIMARY FIVE
DURATION : 2 hours 30 minutes

Name: _____
School: _____
District: _____

READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

1. This paper has two sections: **A** and **B**.
2. Section **A** has **20** questions (**40 Marks**).
3. Section **B** has **12** questions (**60 Marks**).
4. Attempt all questions in both sections. -All answers to both sections **A** and **B** must be written in the spaces provided.
5. All answers must be written in blue or black ball point pens or *ink*. Only diagrams and graph work must be done in *pencil*.
6. Unnecessary *alteration* of work will lead to loss of marks.
7. Any *handwriting* that cannot be easily read may lead to loss of marks.
8. Do not fill anything in the boxes indicated:

"FOR EXAMINER'S USE ONLY"

For Examiner's Use Only;

PAGES	MARKS	INITIALS
Page 1		
Page 2		
Page 3		
Page 4		
Page 5		
Page 6		
Page 7		
Total		

Please turn over

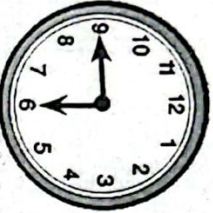
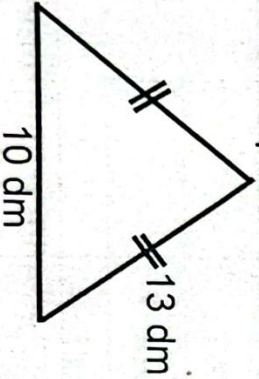


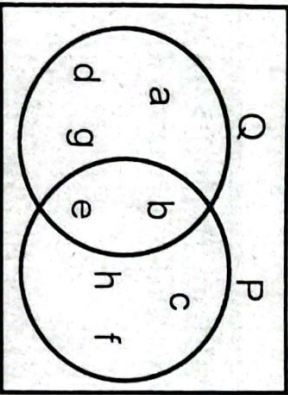
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SECTION A: 40 MARKS

Attempt **all** questions in this section.
Questions 1 to 20 carry **two** mark. *each*.

1.	Work out: $2 + \frac{1}{5}$	2.	Set A = {a, b, c, d, e} and Set B = {1, 2, 3, 4, 5} Sets A and B are _____ sets.
3.	What is the time shown on the clock face below? 	4.	Alex paid sh. 40,000 for 5 mathematical sets. What was the cost of each mathematical set?
5.	Find the product of 24 and 15.	6.	Solve for m: $m - 4 = 11$
7.	Find the perimeter of the triangle below. 	9.	Use $>$, $<$ or $=$ to complete: $\frac{1}{4}$ _____ $\frac{2}{3}$
8.	Draw a cylinder in the space below.		
10.	Write 4,632 in expanded form using values.		

11.	Draw tallies to represent 12.	12.	Each side of a square is 5m. Work out the area of the figure.
13.	Find the next number in the sequence: 1, 3, 6, 10, 15, ____.		
14.	Express LXXXVII in Hindu - Arabic numerals.	15.	How many 500 shilling coins make sh. 4,500?
16.	Study the Venn diagram below and use it to list elements of set $P - Q$.		
			
17.	Change $2\frac{1}{2}$ hours into minutes.		
18.	Simplify: $2k + 4p + 6k - P$.	19.	Express 450cm into metres.
20.	Using a pair of compasses, a pencil and a ruler, construct an angle of 90° in the space below.		

SECTION B: 60 MARKS

Attempt all questions in this section.

Marks for each part of the question are indicated in the brackets.

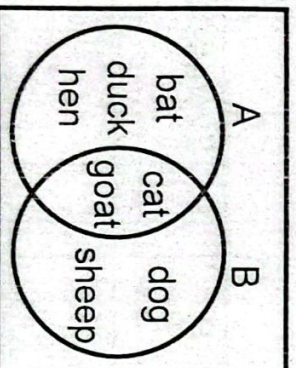
21. Study the price list below and use it to answer the questions that follow.

Item	Quantity	Unit cost	Total cost
g. nuts	3 kg	Sh. 7,000	Sh. _____
posho	2 kg	Sh. _____	Sh. 6,000
sugar	_____ kg	Sh. 6,000	Sh. 18,000
pencil	6 pencils	Sh. _____	Sh. 1,200
Total expenditure			Sh. _____

- (a) Complete the table above (05 marks)

- (b) A customer went with sh. 50,000 and bought all the items as indicated in the table, find the change of the customer. (01 mark)

22. Study the Venn diagram below and use it to answer the questions that follow.



- (a) List the elements of set A. (01 mark)

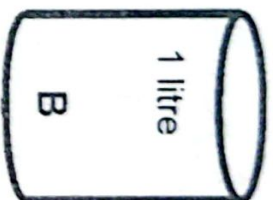
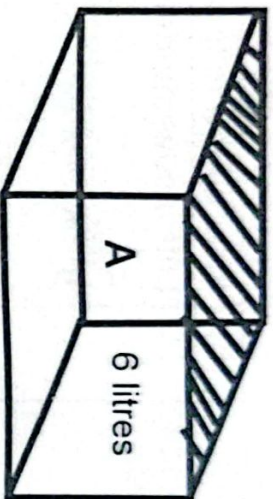
- (b) List the elements of set $A \cap B$. (01 mark)

- (c) List the elements of set $A - B$. (01 mark)



(d) Find $n(A \cup B)$. (01 mark)

23. Study the figures below and use them to answer the questions that follow.



(a) Name the figures;
A _____
B _____ (02 marks)

(b) Convert 6 litres to millilitres. (02 marks)

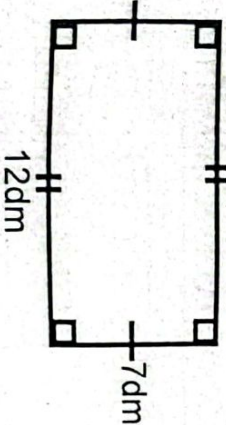
(c) How many containers of size B will fill container of size A? (02 marks)

24.a) Work out: weeks days (02 marks)

$$\begin{array}{r} 2 \quad 1 \\ + 3 \quad 5 \\ \hline \end{array}$$

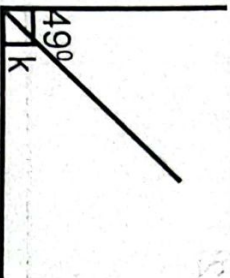
(b) Subtract: hours minutes. (02 marks)

$$\begin{array}{r} 5 \quad 10 \\ - 2 \quad 40 \\ \hline \end{array}$$

(c)	Work out the total number of days in the months of July, August, September and October. (02 marks)		
25. a)	Fill in the missing numbers. (02 marks) $\square = \frac{6}{8}$ 4	(b)	Arrange the following fractions below in ascending order. (02 marks) 4, 1, 1 5 5 2
26. a)	Find the distance round the figure below. (02 marks) 		
(b)	Work out the area of the above figure. (02 marks)		
27. a)	Find the missing number in the box. (02 marks) $\square - 4 = 4$		
(b)	Musa had some oranges. He was given other two oranges by Mr. Wakibi and had a total of 7 oranges. How many oranges was Musa having at first? (02 marks)		

28.a) Using a pair of compasses, a pencil and a ruler only, construct a square of side 4cm. (04 m)

(b) Find the value of k. (02 marks)



29.a) Add: $124_{\text{five}} + 42_{\text{five}}$. (02 marks)

(b) Subtract: $423_{\text{five}} - 124_{\text{five}}$. (02 marks)

$$\begin{array}{r} 423_{\text{five}} \\ - 124_{\text{five}} \\ \hline \end{array}$$

(c) Convert 123_{five} to base ten. (02 marks)

30.a) Prime factorise 24 and give your answer in subscript form. (02 marks)

(b) Prime factorise 36 and give your answer in multiplication form. (02 marks)

(c) Find the square of 16. (02 marks)

31.	Given that the numeral is 46,895;	
(a)	What is the place value of 6?	(01 mark)
(b)	What is the value of 8?	(01 mark)
(c)	Find the sum of the values of 9 and 6 in the above numeral.	(02 marks)
(d)	Write 46,895 in words.	(02 marks)
32.	The bar graph below shows the mass of Mr. Kayemba's children. Study and use it to answer the questions that follow.	
(a)	Who is the heaviest child?	(01 mark)
(b)	What is the mass for Peruth?	(02 marks)
(c)	Work out the total mass for Patricia and Pamela.	(02 marks)

