

# 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		

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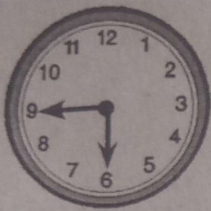
# SECTION A: 40 MARKS

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

1. Work out:  $\frac{2}{5} + \frac{1}{5}$

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  
the clock face below?

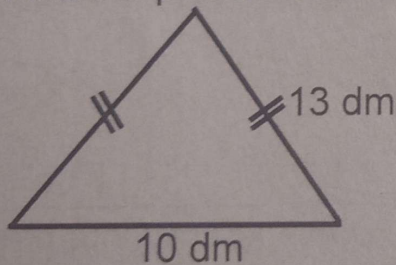


Alex paid sh. 40,000 for 5  
mathematical sets. What was the  
cost of each mathematical set?

5. Find the product of **24** and  
**15**.

6. Solve for **m**:  $m - 4 = 11$

7. Find the perimeter of the triangle below.

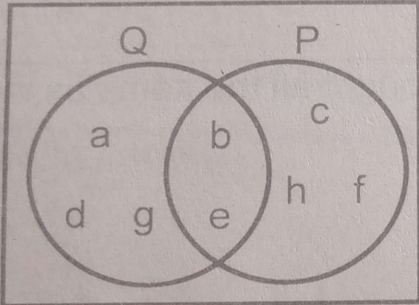


8. Draw a cylinder in the space  
below.

9. Use  $>$ ,  $<$  or  $=$  to complete:  
 $\frac{1}{4}$  \_\_\_\_\_  $\frac{2}{3}$

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 <b>LXXXVII</b> 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 <b>P - Q</b> . 		
17.	Change $2\frac{1}{2}$ hours into minutes.		
18.	<b>Simplify:</b> $2k + 4p + 6k - P$ .	19.	Express <b>450cm</b> into metres.
20.	Using a pair of compasses, a pencil and a ruler, construct an angle of $90^\circ$ 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. _____

(05 marks)

(a) Complete the table above

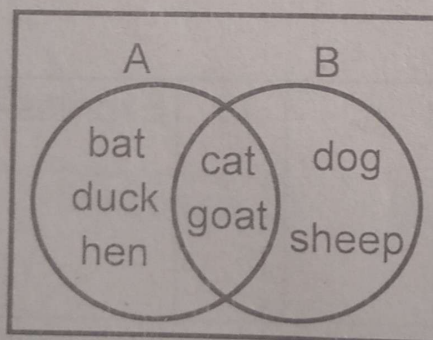
(b)

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)

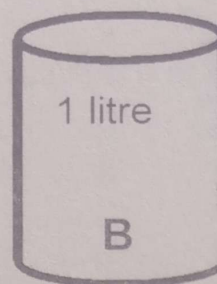
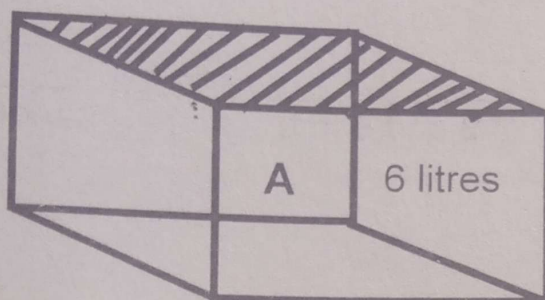
(c) List the elements of set  $A - B$ .

(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;

(02 marks)

A \_\_\_\_\_

B \_\_\_\_\_

(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)

2      1  
+ 3      5

\_\_\_\_\_

\_\_\_\_\_

(b) **Subtract:**      hours      minutes.

(02 marks)

5      10  
- 2      40

\_\_\_\_\_



(c) Work out the total number of days in the months of July, August, September and October. (02 marks)

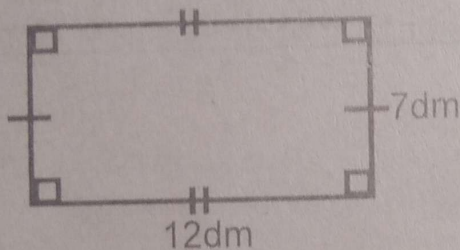
25.a) Fill in the missing numbers. (02 marks)

$$\frac{\square}{4} = \frac{6}{8}$$

(b) Arrange the following fractions below in ascending order. (02 marks)

$$\frac{4}{5}, \frac{1}{5}, \frac{1}{2}$$

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)

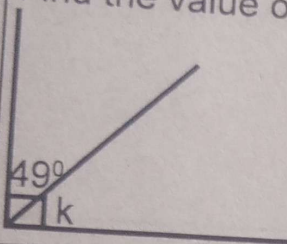
$$\square - 4 = 4$$

(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 marks)

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



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

(b) **Subtract:** (02 marks)

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

(c) Convert  $123_{\text{five}}$  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;

(01 mark)

(a) What is the place value of 6?

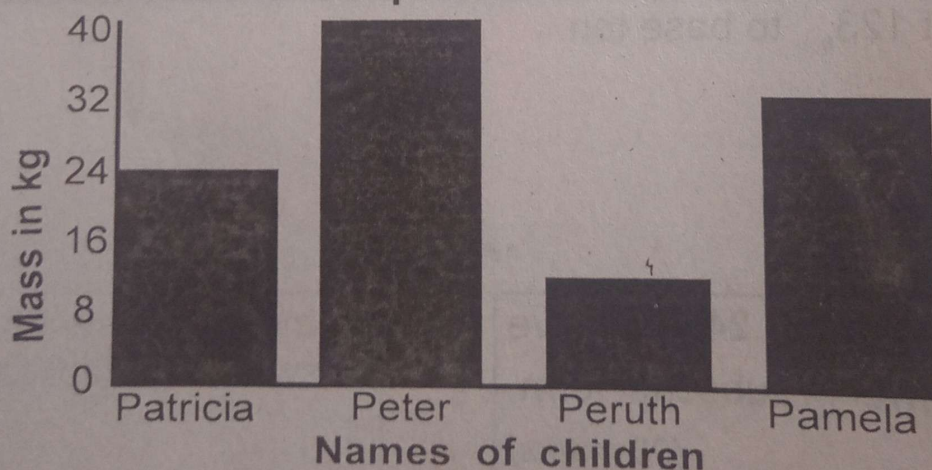
(01 mark)

(b) What is the value of 8?

(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)