

# THE SIPRO END OF TERM I EXAMINATIONS 2024

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

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School: ALL SAINTS PREPARATORY SCHOOL BULENGA  
District: KAKISO 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	23	
Page 3		
Page 4		
Page 5		
Page 6		
Page 7	35	
Total	58%	

Please turn over



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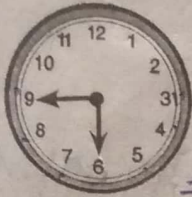
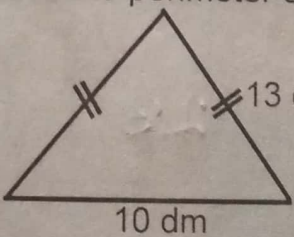
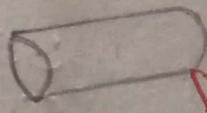
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# SECTION A: 40 MARKS

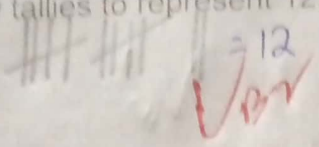
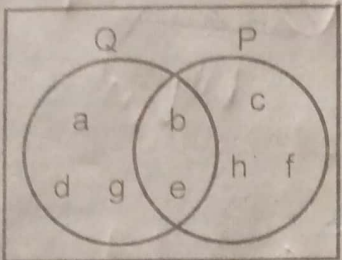
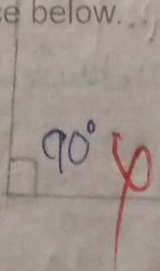
Attempt **all** questions in this section.  
Questions 1 to 20 carry **two marks** each.

1.	Work out: $\frac{2}{5} + \frac{1}{5}$ $= \frac{2+1}{5}$ $= \frac{3}{5}$	2.	Set A = {a, b, c, d, e} and Set B = {1, 2, 3, 4, 5} Sets A and B are <u>equal</u> sets.								
3.	What is the time shown on the clock face below?  <u>6:45</u>	4.	Alex paid sh. 40,000 for 5 mathematical sets. What was the cost of each mathematical set? $40,000 \div 5 = 8000$ each = <u>8000</u>								
5.	Find the product of 24 and 15. $\begin{array}{r} 24 \\ \times 15 \\ \hline 120 \\ 240 \\ \hline 360 \end{array}$	6.	Solve for m: $m - 4 = 11$ $m = m + 4$ $m = 11 + 4$ $m = 15$								
7.	Find the perimeter of the triangle below.  $P = 10 + 13 + 13$ $P = 36 \text{ dm}$	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. <table border="1"><tr><td>TH</td><td>H</td><td>T</td><td>O</td></tr><tr><td>4</td><td>6</td><td>3</td><td>2</td></tr></table> $(4 \times 1000) + (6 \times 100) + (3 \times 10) + (2 \times 1)$ $4000 + 600 + 30 + 2$	TH	H	T	O	4	6	3	2
TH	H	T	O								
4	6	3	2								





88000  
00000  
60000  
00000

11.	Draw tallies to represent 12. 	12.	Each side of a square is 5m. Work out the area of the figure. $A = 5 \times 5 \text{ m}$ $A = 5 \times 5$ $A = 25 \text{ m}^2$ ✓
13.	Find the next number in the sequence: <del>1 3 6 10 15</del> 17 ✓		
14.	Express LXXXVII in Hindu - Arabic numerals. $LX = 40$ $XX = 20$ $VII = 7$ $LXXXVII = 67$ ✓	15.	How many 500 shilling coins make sh. 4,500? 9 coins of 500 shillings ✓
16.	Study the Venn diagram below and use it to list elements of set P - Q.  $Q = \{a, d, g\}$ ✓		
17.	Change $2\frac{1}{2}$ hours into minutes. $(H \times 60) + N$ $(2 \times 60) + N$ $= \frac{120 + 60}{2}$ $2\frac{1}{2} \text{ hours} = 62 \text{ minutes}$ ✓		
18.	Simplify: $2k + 4p + 6k - P$ $2k + 6k + 4p - P$ $8k + 4p - P$ ✓	19.	Express 450cm into metres. $1 \text{ cm} = 1000 \text{ metres}$ $450 = \frac{450}{1000}$ $450 \text{ cm} = 104 \text{ metres}$ ✓
20.	Using a pair of compasses, a pencil and a ruler, construct an angle of $90^\circ$ in the space below. 		

23

# 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. 21,000
posho	2 kg	Sh. 3,000	Sh. 6,000
sugar	3 kg	Sh. 6,000	Sh. 18,000
pencil	6 pencils	Sh. 200	Sh. 1,200
Total expenditure			Sh. 46,200

- (a) Complete the table above

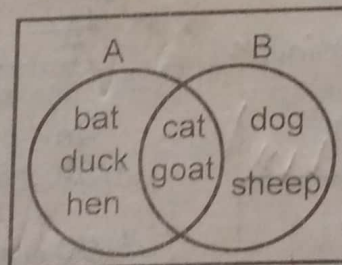
g nuts 3 kg = Sh. 21,000  
 posho 2 kg = Sh. 6,000  
 sugar 3 kg = Sh. 18,000  
 pencil 6 pencils = Sh. 1,200

18 ÷ 6 = 3  
 12 ÷ 6 = 2  
 6 ÷ 2 = 3

- (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)

Shs 50,000  
 - Shs 46,200  
 -----  
 Shs 3,800

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



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

Set A = {bat, cat, duck, goat, hen}

- (b) List the elements of set A ∩ B. (01 mark)

Set A ∩ B = {cat, goat}

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

Set A - B = {bat, duck, hen}



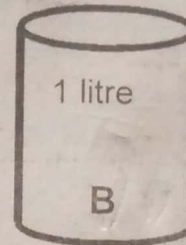
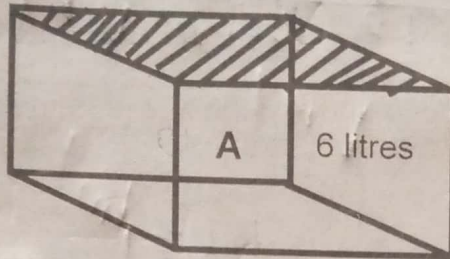


(d) Find  $n(A \cup B)$ .

(01 mark)

$n(A \cup B) = \{ \text{bat, cat, dog, duck, goat, hen, sheep} \} = 7 \text{ members}$

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



(a) Name the figures;

A box cuboid

B Cylinder

(02 marks)

(b) Convert 6 litres to millilitres.

1 litre = 100 millilitres

6 litres =  $(6 \times 100)$

6 litres = 600

(02 marks)

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

(02 marks)

One container

24.a) Work out: weeks days

2 1

+ 3 5

5 6

$1 + 5 = 6$

$2 + 3 = 5$

(02 marks)

(b) Subtract: hours minutes

5 10

- 2 40

2 30

$5 - 2 = 3$

$10 - 40 = 70$

$70 \div 2 = 35$

(02 marks)

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

July	— 31 days	<u>123 days</u>
August	— 31	
October	— 31	
September	— 30 days	

123 days

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

$$\frac{10}{4} = \frac{6}{8}$$

$$\frac{10}{4} = \frac{6}{8}$$

$$\frac{10}{4} = \frac{6}{8}$$

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

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

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

26.a) Find the distance round the figure below. (02 marks)



$$P = L + W + L + W$$

$$P = 12 + 7 + 12 + 7$$

$$P = 38$$

$$P = 38 \text{ dm}$$

(b) Work out the area of the above figure. (02 marks)

$$A = L \times W$$

$$A = (12 \times 7)$$

$$A = 84 \text{ dm}^2$$

27.a) Find the missing number in the box. (02 marks)

$$\square - 4 = 4$$

$$\square - 4 = 4$$

$$\square = 4 + 4$$

$$\square = 8$$

(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)

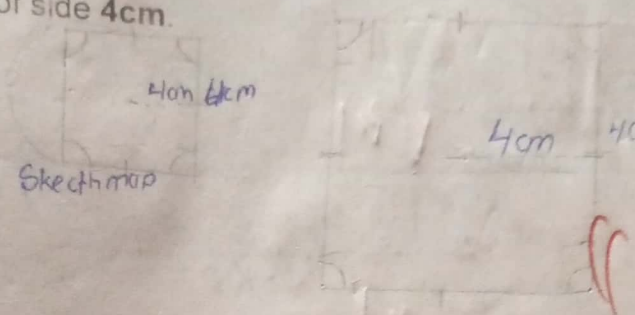
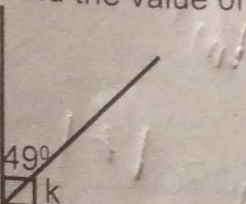
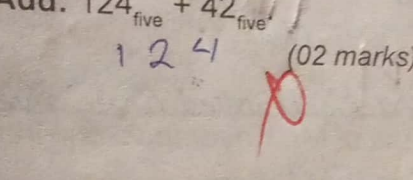
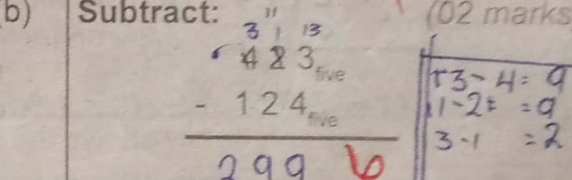
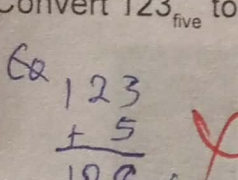
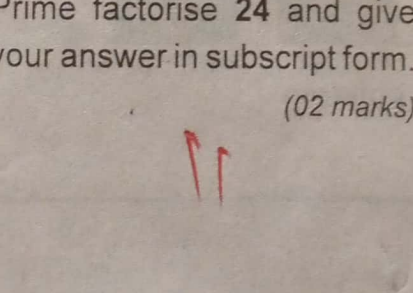
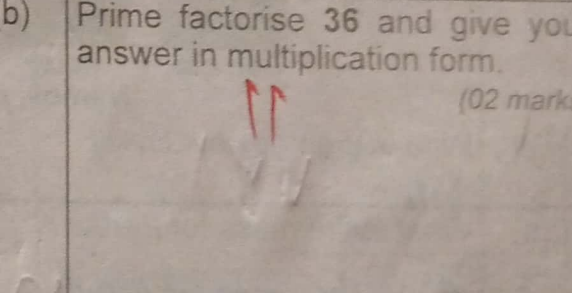

$$= 7 - 2 \text{ oranges}$$

$$= 5 \text{ oranges}$$

Musa had 5 oranges at first





28.a)	Using a pair of compasses, a pencil and a ruler only, construct a square of side 4cm. (04 marks) <div style="text-align: center;">  </div>	
(b)	Find the value of k. <div style="text-align: center;">  </div>	$  \begin{aligned}  k + 49^\circ &= 90^\circ \\  k + 49^\circ - 49^\circ &= 90^\circ - 49^\circ \\  k &= 41^\circ  \end{aligned}  $
29.a)	Add: $124_{\text{five}} + 42_{\text{five}}$ (02 marks) <div style="text-align: center;">  </div>	(b) Subtract: $311_3 - 124_{\text{five}}$ (02 marks) <div style="text-align: center;">  </div>
(c)	Convert $123_{\text{five}}$ to base ten. (02 marks) <div style="text-align: center;">  </div>	
30.a)	Prime factorise 24 and give your answer in subscript form. (02 marks) <div style="text-align: center;">  </div>	(b) Prime factorise 36 and give your answer in multiplication form. (02 marks) <div style="text-align: center;">  </div>
(c)	Find the square of 16. (02 marks) <div style="text-align: center;">  </div>	



31. Given that the numeral is 46,895;

(a) What is the place value of 6? (01 mark)

TH	M	H	T	O
4	6	8	9	5

Thousands

The place of 6 is thousands

(b) What is the value of 8? (01 mark)

TH	M	H	T	O
4	6	8	9	5

$8 \times 100$

The value of 8 is 800

(c) Find the sum of the values of 9 and 6 in the above numeral. (02 marks)

$$\begin{array}{r} 6000 \\ + 90 \\ \hline 6090 \end{array}$$

$6 \times 1000$     $9 \times 10$

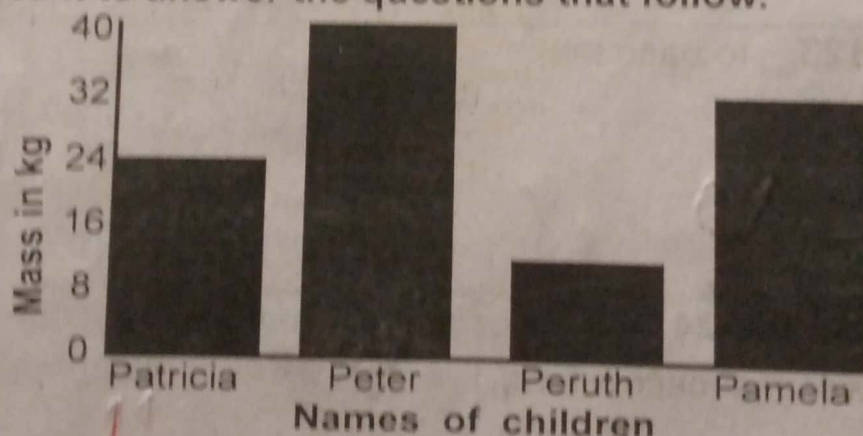
The sum of the values of 9 and 6 is 6090

(d) Write 46,895 in words. (02 marks)

46,000 = forty six thousand  
+ 895 = eight hundred ninety five

46,895 = forty six thousand eight hundred ninety five.

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)

Peter

(b) What is the mass for Peruth? (02 marks)

8 is the mass for Peruth

(c) Work out the total mass for Patricia and Pamela. (02 marks)

Pamela = 32 mass

Patricia = + 24 mass

Total = 56 mass