



OUTREACH SCHOOLS EXAMINATIONS BOARD

BEGINNING OF TERM III EXAMINATION 2023

P.4 MATHEMATICS

Time Allowed: 2 hours 30 Minutes

Pupil's Name:

Class:

School Name:

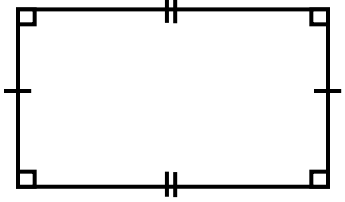
Read the following instructions carefully:

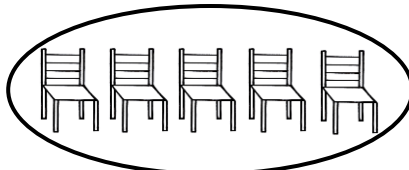


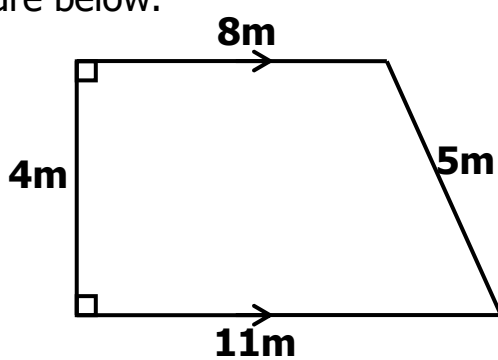
1. This paper has two sections: **A** and **B**
2. Section **A** has 20 short questions (40 marks)
3. Section **B** has 12 questions (60 marks)
4. Answer all questions. All the working for both sections A and B must be shown in the spaces provided.
5. All working must be done using a blue or black ball point pen or ink. Any work done in pencil will NOT be marked except drawings and diagram.
6. Unnecessary changes in your work and handwriting that cannot be easily read may lead to loss of marks.
7. Do not fill anything in the table indicated
"For examiners' use only" and the boxes inside the question paper.

FOR EXAMINERS'		
USE ONLY		
Qn. No.	MARKS	EXR'S No.
1 - 10		
11 - 20		
21 - 30		
31 - 32		
TOTAL		

Turn Over

SECTION A – (40 MARKS)

1. Add: $88 + 11$	2. Given that $T = \{f, l, a, m, i, n, g, o\}$. How many members are in set T?
3. Moses is 15 years old. Write his age in Roman numerals.	4. Workout and fill in the box. $\square - 3 = 9$
5. A mother bought 3kg of sugar. Express the mass of sugar the mother bought in grammes.	6. Find the next number in the sequence. 210 , 220 , 230 , 240 , 250 , _____
7. Name the shape drawn below.  _____	8. Timothy had a note of two thousand shillings. He bought a bottle of soda at sh. 1500. How much money did he remain with?
9. Workout: $\frac{3}{12} + \frac{4}{12}$	10. Write the place value of 4 in 4706.

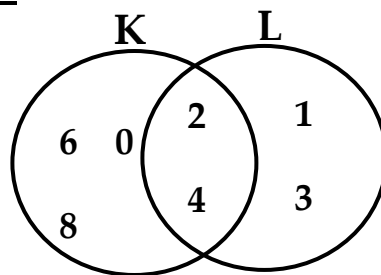
<p>11. John left home at 6:00am and reached school at 7:00am. For how long did he move from home to school?</p>	<p>12. Name the set below.</p> <div></div> <p>_____</p>												
<p>13. Given that $m = 20$ and $k = 70$. Find the value of $k + m$.</p>	<p>14. Expand 4 9 5 using values.</p>												
<p>15. Given that  represents 9 girls. Find the number of girls represented by .</p>	<p>16. A farmer planted 749 seedlings of tomatoes and 35 seedlings dried. How many seedlings remained in the garden?</p>												
<p>17. Calculate the perimeter of the figure below.</p> <div></div>	<p>18. Workout:</p> <table><tr><td></td><td>Years</td><td>Months</td></tr><tr><td></td><td>3</td><td>8</td></tr><tr><td>+</td><td><u>7</u></td><td><u>4</u></td></tr><tr><td></td><td colspan="2">_____</td></tr></table>		Years	Months		3	8	+	<u>7</u>	<u>4</u>		_____	
	Years	Months											
	3	8											
+	<u>7</u>	<u>4</u>											

19. Annet had shs. 2500. Her father gave her more shs. 4500. Find the amount Annet had altogether.

20. At a birthday party, $\frac{1}{4}$ of the cake was eaten by children and the rest by parents. Find the fraction of the cake that was eaten by the parents.

SECTION B:

21. Study the venn diagram below and answer the questions that follow.



- (a) List the elements of;

- (i) Set K

- (iii) Set L

(3 marks)

- (ii) $K \cup L$

- (b) How many members are in $K \cap L$?

(2 marks)

22. Given the number 27,
a. Write the number in words.

(1 mark)

- b. Show the given number on an abacus.

(2 marks)

c. Round off the given number to the nearest tens.

(2 marks)

23. a) Complete the table below.

Animals	Tallies	Frequency
Goats	### //	_____
Rabbits	_____	10
Cows	### ### ### /	_____

(3 marks)

b) Find the total number of animals represented on the above table.

(2 marks)

24. a) Work out: $\frac{5}{7} - \frac{2}{7} =$

(2 marks)

b) What is $\frac{2}{3}$ of 18 books?

(2 marks)


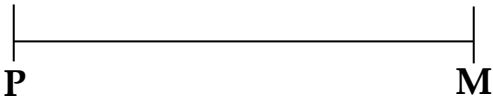
25. Solve the following;

(i) $m + 4 = 16$

$40 - \square = 30$

(ii) $y \times 4 = 12$

(6 marks)

<p>26. Patrick went for shopping and bought the following items. An exercise book at shs. 1000 A pen at shs. 500 A pencil at shs. 200 A rubber at shs. 500</p> <p>(a) What is the cost of the most expensive item?</p>	(1mark)
<p>(b) Which two items have the same price?</p>	(1 mark)
<p>(c) Find the amount of money Patrick paid for all the items.</p>	(2 marks)
<p>(d) If he had a Sh. 5000 note, calculate his change.</p>	(2 marks)
<p>27. a) Measure the marked angle below.</p> 	(1 mark)
<p>b) Measure the line segment PM.</p> 	(1mark)
<p>c) Use a sharp pencil and a pair of compasses to construct a circle of radius 3cm.</p>	(2 marks)

28. a) Change 4 weeks to days.	(2 marks)
b) Write the last month of the year.	(1 mark)
c) Work out: <div style="display: flex; justify-content: center; align-items: center;"> <div style="text-align: right; margin-right: 10px;">Hrs</div> <div style="text-align: right; margin-right: 10px;">Mins</div> <div style="text-align: right;"> $\begin{array}{r} 6 \quad 45 \\ - 4 \quad 15 \\ \hline \end{array}$ </div> </div>	(2 marks)
29. Work out correctly. <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: right;"> (a) $\begin{array}{r} 6 \quad 8 \quad 4 \quad 3 \\ + 1 \quad 0 \quad 9 \quad 2 \\ \hline \end{array}$ </div> <div style="text-align: right;"> (b) $\begin{array}{r} 4 \quad 9 \quad 5 \\ \times \quad 2 \\ \hline \end{array}$ </div> <div style="text-align: right;"> (c) $3 \overline{)972}$ </div> </div>	(6 marks)
30. Study the figure below and answer questions that follow. <div style="text-align: center; margin: 10px 0;"> </div>	
a) Name the above figure.	(1mark)
b) Calculate the area of the above figure.	(2 marks)
c) Find the line XY in cm.	(2 marks)

31. Below is a magic square.

7	m	3
n	4	p
5	k	1

a) Work out the magic number.

(1 mark)

b) Find the missing numbers.

(i) m

(iii) p

(ii) n

(iv) k

(4 marks)

32. Study the water tanks below.



a) Which tank holds more water?

(1 mark)

b) Which tank holds 150litres of water?

(1 mark)

c) Find the total amount of water the two tanks hold altogether?

(2 marks)

***** **END** *****