



OUTREACH SCHOOLS EXAMINATIONS BOARD

END OF TERM I EXAMINATION 2024

P.6 MATHEMATICS

Time Allowed: 2hours 30 Minutes

Pupil's Name:

Class:

School Name:

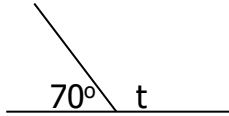
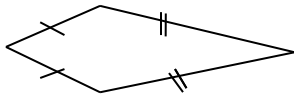
INSTRUCTIONS:

1. Answer all questions.
2. Any drawing must be done in pencil.
3. Use a very good handwriting.

SECTION A	
SECTION B	
TOTAL	

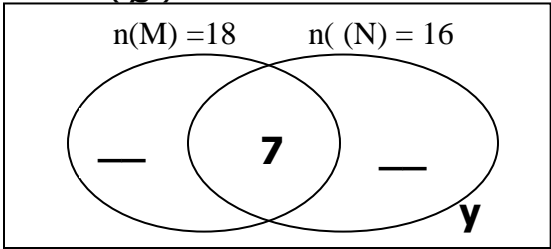
SECTION A (40 MARKS)

1.	Subtract $83 - 25$	4.	Arrange $-3, 0, -2, 3, -1$ in ascending order
2.	Write the value of 7 in the number 20,764	5.	Given that $m=2$, $n=4$ and $p=3$. Find the value of $mp + n$
3.	Given that; $M = \{\text{all vowels}\}$ $P = \{a, b, c, d, e\}$ Find MUP	6.	Write "Twelve thousand, four hundred three" in figures.

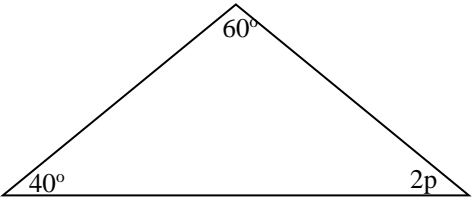
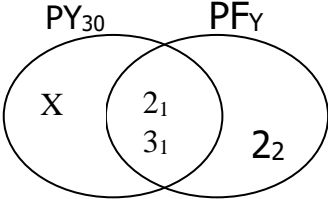
7.	Paul paid two – ten thousand shillings notes and a five thousand note for a text book. How much did he pay for the text book?	12.	Draw a Venn diagram to show that B is a subset of K.
8.	Calculate the area of a square garden of sides 11m.	13.	Find the size of the angle marked t. 
9.	Work out the L.C.M of 6 and 8.	14.	A team scored the following goals; 3, 5,2,6,2. Find the median score.
10.	A match box has 40 match sticks. How many sticks are in 6 match boxes?	15.	Solve $2X + 5 = 15$
11.	How many lines of symmetry has the figure below? 	16.	Add: $3 + 6 = \underline{\hspace{2cm}}$ (finite 8)

17.	Find the sum of the first five prime numbers.	19.	Using a ruler, a pencil and a protractor, draw an angle of 40° .
18.	Work out: $\frac{3}{4} - \frac{1}{2}$	20.	Express 0.8 as a common fraction in its lowest form.

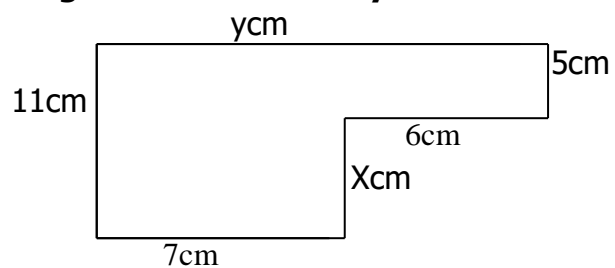
SECTION B (60 MARKS)

21.	<p>The Venn diagram below shows pupils who like Mathematics (M) and English (E). Study it and answer the questions that follow.</p> <p>$n(E) = 35$</p>  <p>a) Complete the Venn diagram. (2mks)</p> <p>b) Find the value of y (2mks)</p> <p>c) How many pupils like only one subject? (1mk)</p>	22.	<p>Medi went to the market and bought the following items.</p> <p>2 kg of sugar at sh. 2600 per kg. 3 tins of Royco at Sh. 1500 per tin. 500g of salt at sh. 1000 per kg. 4 loaves of bread at sh. 8000</p> <p>a) How much money did Medi pay for all the items? (4mks)</p> <p>b) If Medi was given change of sh 1800, how much did he have at first? (1mk)</p>
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23.	<p>Given the digits; 2, 4 and 1</p> <p>a) Write all the possible 3-digit numbers you can form the above digits (2mks)</p> <p>b) Find the sum of the biggest and the smallest number formed.(2mks)</p> <p>c) Calculate the difference of the biggest and the smallest numbers formed.(2mks)</p>	25.	<p>At Mother Majeri P/S there 38 classrooms. In each classroom, there 54 pupils.</p> <p>a) How many pupils are in the class? (2mks)</p> <p>b) Mrs Mukasa has 174 exercise books. If she gives each of her six children the same number of books, how many books does each child get? (2mks)</p>
24.	<p>a) The sum of three consecutive counting numbers is 36. Find the three numbers. (3mks)</p> <p>b) Find the range of the numbers.(1mk)</p>	26.	<p>The record shows weight of five teachers at Mapeera P/S. 60kg, 50kg. 85kg, 60kg and 80kg.</p> <p>a) Find the modal weight. (1mk)</p> <p>b) Calculate the median weight. (2mks)</p> <p>c) Work out their average weight. (2mks)</p>

27.	<p>a) Find the value of p in the figure below (2mks)</p>  <p>b) Two angles $3X$ and 30° are supplementary. Find the value of X (2mks)</p>	c) Change 122_{four} to base ten
28.	<p>Work out: (2mks @)</p> <p>a)</p> $\begin{array}{r} 312_{\text{five}} \\ +124_{\text{five}} \\ \hline \end{array}$ <p>b)</p> $\begin{array}{r} 110_{\text{two}} \\ -11_{\text{two}} \\ \hline \end{array}$	<p>29. Study the Venn diagram below and use it to answer the questions that follow.</p>  <p>a) Find the value of:</p> <p>i) X (2mks)</p> <p>ii) y (1mk)</p> <p>b) Find the G.C.F of 30 and Y. (1mk)</p> <p>c) Find the L.C. M of 30 and Y. (2mks)</p>

30. Study the figure below carefully.



a) Find the value of:

i) X

(1mk)

ii) y

(1mk)

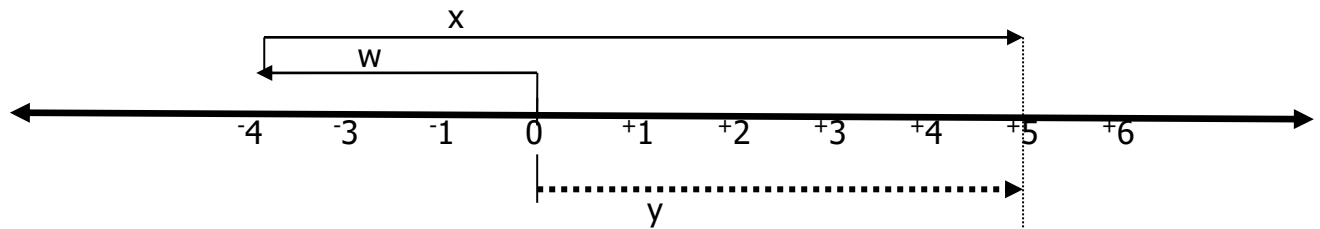
b) Calculate the area of the figure.

(2mks)

c) Find perimeter of the figure

(2mks)

31. Study number line below and use it to answer the questions below.



a) Write down the integers represented by: (1mk @)



















i) W =


ii) Y =

iii) X =

b) Write down the mathematical statement for the above number line. (1mk)

32. The pictograph below shows the number of balls given by the teacher to four children.

Sarah	    
Mariam	      
Faith	   
Lydia	 

 = 20 balls

a) How many balls did Sarah receive? (1mk)

b) Who received the least number of balls (1mk)

c) How many more balls did Mariam get than Lydia? (2mks)

d) How many balls were given out altogether?(2mks)

Good luck