

MEVID EXAMINATIONS BOARD
PRIMARY LEAVING EXAMINATIONS - PRE MOCK
SET ONE, 2023
MATHEMATICS

Time Allowed: 2 hours 30 minutes

Index No.

Random No.

Personal No.

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Candidate's Name:

Candidate's Signature:

School Random No.

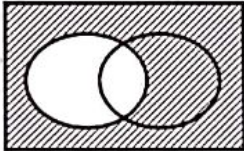
District:

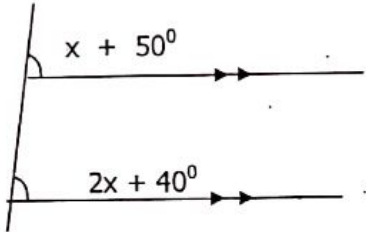
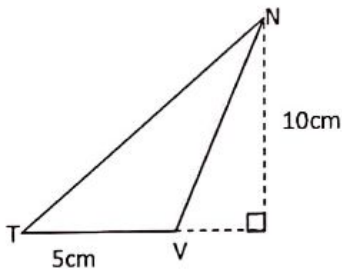
READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

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. Answer **all** questions. **All** answers to both sections **A** and **B** must be written in the spaces provided.
5. All answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be marked.
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 examiner's use only"

FOR EXAMINER'S USE ONLY

PAGES	MARK	INITIALS.
Page 1		
Page 2		
Page 3		
Page 4		
Page 5		
Page 6		
Page 7		
TOTAL		

SECTION A (40 MARKS)			
1	Work out. $\begin{array}{r} 825 \\ + 174 \\ \hline \end{array}$	2	Write 830703 in words.
3	4 books cost sh 24000. Find the cost of 6 similar books.	4	Given that $\frac{a}{b} = \frac{1}{2}$ and $b = \frac{1}{3}$. Find a .
5	The average age of 16 pupils is 12 years. What is their total age?	6	A motorist covered 90km in 45 minutes. At what speed was the motorist travelling in km/hr?
7	How many 300gm packets can be got from a 90kg bag of posho flour?	8	K has 63 proper subsets. Find $n(K)$.
9	The range of d and -9 is 8. Find the value of d if it is the smallest.	10	Work out: $(93 \times 8) - (48 \times 8)$ using distributive property.
11	Workout; $-5 + -3$	12	Describe the unshaded region. 

13	Express LXVI in Hindu Arabic numerals.		
14	<p>In the diagram below, find the value of K.</p> 	15	Increase 48kgs by 20%.
16	Without dividing show whether 509 is exactly divisible by 9	17	Robert bought a TV set at sh. 200,000/= and sold it making a profit of sh. 35,000/=. How much money did he sell the TV set?
18	<p>The figure below is a rectangle NTV. Calculate its area.</p> 		

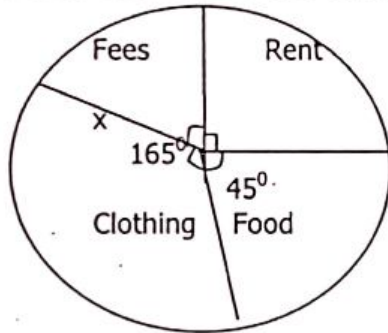
19	Using a ruler, a pencil and a protractor, draw an angle of 110° .										
20	20. Subtract: $3t - 3$ from $4t$.										
SECTION B (60 MARKS)											
21a)	The sum of three consecutive even numbers is 96. Find the numbers.	b) Given that $3^m \times 9 = 81$, solve for m.									
22	Complete the 3 by 3 magic puzzle below by finding the value of the unknown. <table><tr><td>a</td><td>b</td><td>C</td></tr><tr><td>11</td><td>d</td><td>7</td></tr><tr><td>6</td><td>13</td><td>8</td></tr></table>		a	b	C	11	d	7	6	13	8
a	b	C									
11	d	7									
6	13	8									
23	a) Express $0.\overline{45}$ as a regular fraction.										

b) Work out: $\frac{0.36 \times 2.4}{0.8 \times 0.9}$

24

The pie chart below shows how Mr. Okello spends his monthly salary.

a) Find the value of x

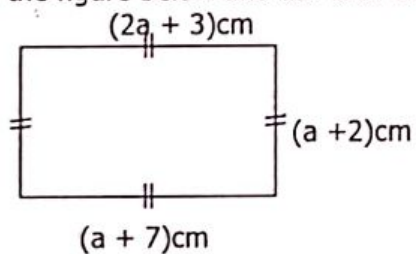


b) If he spends sh. 720,000= on fees, find his monthly salary.

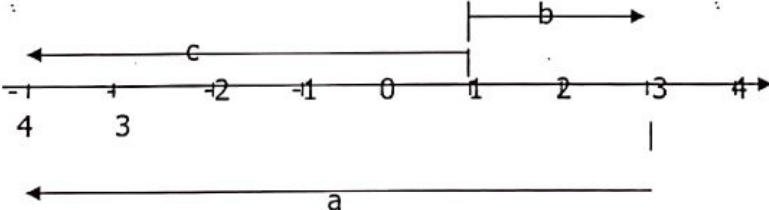
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Study the figure below and use it to answer questions

a) Find the value of a .



b) Work out the area of the figure.

26	<p>Using a pair of compasses a ruler and a pencil only. (4marks)</p> <p>a) Construct a triangle LMN where $\overline{LM}=6\text{cm}$, angle LMN = 60° and $\angle LNM = 45^\circ$.</p> <p>b) Drop a perpendicular from N to meet LM at Z hence measure NZ. (2marks)</p>
27	<p>Peter Patrick and Paul shared money in the ratio of 2:3:5 respectively.</p> <p>a) If Patrick got sh 120,000, how much did they share altogether?</p> <p>b) Express Paul's share as a percentage.</p>
28	<p>Study the number line below and use it to answer the questions</p>  <p>a) Write down the integers represented by the arrows.</p> <p>a) _____ b) _____ c) _____</p> <p>b) Write down the mathematical sentence for the above number line.</p>

29	<p>The Venn diagram below shows the number of pupils who like English (E) and social studies (S). Use it to answer the questions that follow.</p> <div data-bbox="316 208 715 414" data-label="Diagram"> </div> <p>a) Given that 21 pupils like social studies, find the value of P.</p>
30	<p>Change 6_{ten} to base five.</p> <p>b) Solve for K. $103_k = 54_{\text{seven}}$</p>
31	<p>Jojo is four times as old as Dan. If their total age is 55 years;</p> <p>a) how old is Jojo?</p> <p>b) Find their total age 5 years ago.</p>

32

A driver left town A for town B at 80km/hr for $1\frac{1}{2}$ hrs. He continued to C a distance of 80km for $3\frac{1}{2}$ hrs.

a) How far is C from A?

b) Calculate the mean speed of the driver from town A to town C.

END



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