MEVID EXAMINATIONS BOARD

PRIMARY LEAVING EXAMINATIONS - PRE MOCK

SET ONE, 2023

MATHEMATICS

Time Allowed: 2 hours 30 minutes

Index No.	**Random No.**							**Personal No.**		

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		

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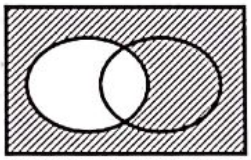
	SECTION A (40 MARKS)		
1	Work out. 8 2 5 + 1 7 4 _____	2	Write 830703 in words.
3	4 books cost sh 24000. Find the cost of 6 similar books.	4	Given that $\frac{a}{b} = \frac{1}{2}$ and $b = \frac{1}{3}$. Find a
5	The average age of 16 pupils is 12 years. What is their total age?	6	A motorist covered 90km 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 x 8) – (48 x 8) using distributive properly.
11	Workout; $^{-}5 + {}^{-}3$	12	Describe the unshaded region. 

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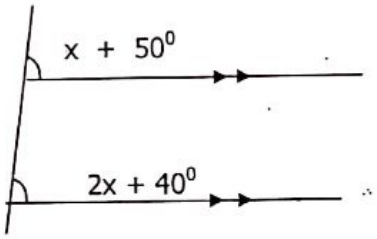
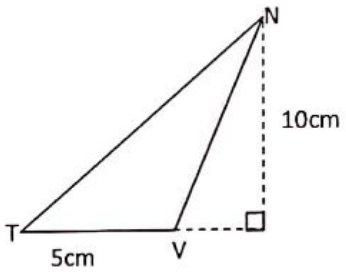
13	Express LXVI in Hindu Arabic numerals.		
14	In the diagram below, find the value of K.  	15	Increase 48kgs by 20%.
16	Without dividing show whether 509 is exactly divisible by 9	17	Robert bought a TV set at sh. 200,000/= and sold it making a profit of sh. 35,000/=. How much money did he sell the TV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

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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.

a	b	C
11	d	7
6	13	8

23 a) Express $0.\overline{45}$ as a regular fraction.

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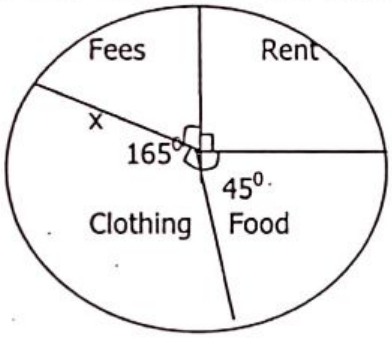
b) Work out: $\frac{0.36 \times 2.4}{0.8 \times 0.9}$

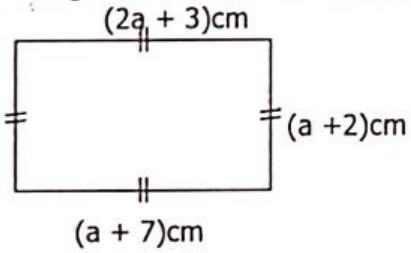
24 The pie chart below shows how Mr. Okello spends his monthly salary.



a) Find the value of x

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

25 Study the figure below and use it to answer questions



a) Find the value of a.

b) Work out the area of the figure.

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26 Using a pair of compasses a ruler and a pencil only. **(4marks)**

a) Construct a triangle LMN where $\overline{LM}$=6cm, angle LMN =60^0 and LNLM = 45^0.

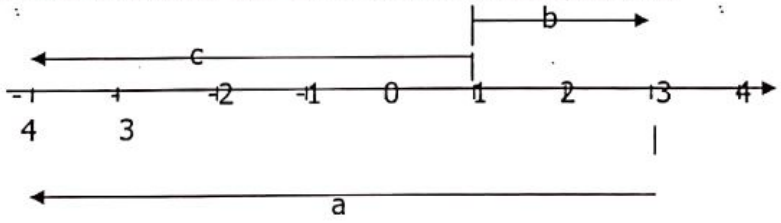
b) Drop a perpendicular from N to meet LM at Z hence measure NZ. **(2marks)**

27 Peter Patrick and Paul shared money in the ratio of 2:3:5 respectively.

a) If Patrick got sh 120,000, how much did they share altogether?

b) Express Paul's share as a percentage.

28 Study the number line below and use it to answer the questions



a) Write down the integers represented by the arrows.

a) _____ b) _____ c) _____

b) Write down the mathematical sentence for the above number line.

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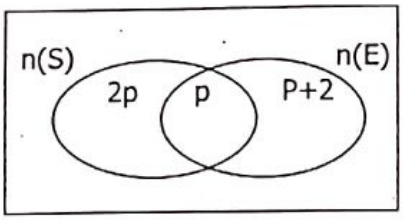
29 The Venn diagram below shows the number of pupils who like English (E) and social studies (S). Use it to answer the questions that follow.



a) Given that 21 pupils like social studies, find the value of P.

30 Change 6_{ten} to base five.

b) Solve for K.
$103_k = 54_{seven}$

31 Jojo is four times as old as Dan. If their total age is 55 years;

a) how old is Jojo?

b) Find their total age 5 years ago.

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32	A driver left town A for town B at 80km/hr for 1½ hrs. He continued to C a distance of 80km for 3½ 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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