MEVID EXAMINATIONS BOARD

PRIMARY LEAVING EXAMINATIONS - PRE MOCK SET ONE, 2023

MATHEMATICS

Time Allowed: 2 hours 30 minutes

Index No.	Random No	0.	Perso	Personal No.	
Candidate's Name:					
Candidate's Signatur	re:				
School Random No.					
District:					

READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

- This paper has two sections: A and B.
- 2. Section A has 20 questions (40 marks)
- section B has 12 questions (60 marks)
- Answer all questions. All answers to both sections A and B must be written in the spaces provided.
- All answers must be written using a blue or black ball point pen or ink. Any work written in pencil will not be marked.
- Unnecessary changes in your work and handwriting that cannot be easily read may lead to loss of marks.
- 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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Tel: 0706602422, 0779101164

Turn over

	SECTION	1A	40 MARKS)
1	Work out.	2	Write 830703 in words.
	8 2 5 .		
	+1 74		
	·		
3	4 books cost sh 24000. Find the cost of	4	Given that $\frac{a}{b} = \frac{1}{2}$ and $b = \frac{1}{3}$. Find \underline{a}
	6 similar books.		, , ,
		1	
	,		•
5	The average age of 16 pupils is 12	6	A motorist covered 90km in 45 minutes
	years. What is their total age?		At what speed was the motorist travelling
			in km/hr?
			.*
			•
			·
		*	
7	How many 300gm packets can be got	8	K has 63 proper subsets. Find n(K).
•	from a 90kg bag of posho flour?		The section of the se
			s
	F		14
0	The range of d and -9 is 8. Find the	10	Work out: (93 x 8) – (48 x 8)
9	value of d if it is the smallest.	10	using distributive properly.
	value of a life is the smallest.		asing distributive property.
3.			·
	=	-	
11	Workout; ⁻ 5 + ⁻ 3	12	Describe the unshaded region.
	****	4	
	, a		*
	8		2 4



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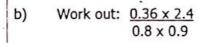
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	<u> </u>			
13	Express LXVI in Hindu Arabic numerals.			
				.
	•		8	
			· ·	
			36	
14	In the diagram below, find the value of	15	Increase 48kgs by 20%.	
	K.			
				as a
	x + 50°			
	$2x + 40^{\circ}$,
	1			
	•		9 4 6	
16	Without dividing show whether 509 is	17	Robert bought a TV set at sh. 200),000/=
10	exactly divisible by 9		and sold it making a profit of sh. :	35,000/=.
	Shaday arrivatives,		How much money did he sell the	TV set?
	1			
	-		877	
	7.		1.	
	. I NTT/ Col	- Jat	ite area	
18	The figure below is a rectangle NTV. Cal	cuiate	e its area.	
	_N		4	
	/ 10cm			
	/ / ;			
	5cm V			
			e	
	1			
	1			
	2			- 10

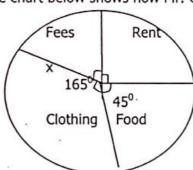


	7
19	Using a ruler, a pencil and a protractor, draw an angle of 110°.
	·
20	20. Subtract: 3t – 3 from 4t.
	SECTION B (60 MARKS)
21a)	The sum of three consecutive even b) Given that $3^m \times 9 = 81$, solve for m.
	numbers is 96. Find the numbers.
22	Complete the 3 by 3 magic puzzle below by finding the value of the unknown.
	a b C
	11 d 7
	6 13 8
23	a) Express 0.45 as a regular fraction.
	a) Express 0.15 ds d regular





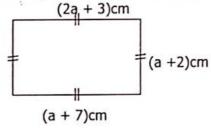
24 The pie chart below shows how Mr. Okello spends his monthly salary.



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° and LNLM = 45°.			
		construct a triangle 2 in timere 2 in com, angle 2 in com and 2 in com		
	≥3•			
		*		
	282			
	b)	Drop <u>a perpendicular from N to meet LM at Z hence measure NZ. (2marks)</u>		
27	a)	Peter Patrick and Paul shared money in the ratio of 2:3:5 respectively. If Patrick got sh 120,000, how much did they share altogether?		
	-/			
	70000			
	b)	Express Paul's share as a percentage.		
		*		
-		the same has live below and use it to another questions		
28	Study	the number line below and use it to answer the questions		
	×	-1 		
		4 3		
		← a		
	a) Wr	ite down the integers represented by the arrows.		
	a)	b)c)		
	b)	Write down the mathematical sentence for the above number line.		



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.						
		studies (3). Ose it to distret the question					
		n(S)					
	a)	Given that 21 pupils like social studies, find the value of P.					
		8					
		,					
30	Chang	ge 6_{ten} to base five. b) Solve for K. $103_k = 54_{seven}$					
		•					
		ų į					
31	a)	Jojo is four times as old as Dan. If their total age is 55 years; how old is Jojo?					
	-						
		· ·					
		ž.					
	b)	Find their total age 5 years ago.					
		•					
28							



A dri	ver left town A for town B at 80kr 80km for 3½ hrs.	n/hr for 11/2 h	rs. He contin	ued to C a di	stance of
a).	How far is C from A?				
				*	*
			•		
	8			i e	
,	e		¥		
b)	Calculate the mean speed of th	e driver from t	town A to tov	vn C.	
			, v		
	,	3553			
	• *				
	ž.				
		END			

