

## MASINDI MUNICIPAL COUNCIL ACADEMIC BOARD

## PRE - MOCK EXAMINATION, 2023

### **MATHEMATICS**

Time allowed: 2 hours 30 minutes

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Index Number:									
Candidate 's Na	me:		******	 			•••••		•••••
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#### Read the following instructions carefully:

- This paper has two sections: A and B.
- 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 ballpoint or fountain pen. Diagrams should be drawn in pencil.
- 4. No calculators are allowed in the examination room.
- Unnecessary changes of work may lead to loss of marks.
- Any handwriting that cannot easily be read may lead to loss of marks.
- Do not fill anything in the boxes indicated: "For Examiners ' Use only " and those inside the question paper.

	EXAMIN SE ONL	
Qn. No	Marks	Exrs, No
1-5		
6 - 10		
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26	30 30 2 3	
27 - 28		
29 - 30		
31- 32		
Total		

# SECTION A: (40 Marks) For question 1 - 20, each question carries 2marks

1. Work out: 6 x 60

2. Write in figures "Twenty three thousand two hundred three".

Fine Howed 2 hours 36 minutes

3. Solve the inequality.  $2x - 4 \ge 8$ 

4. Round off to the nearest tens: 39.6

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5. Use indices to expand 456.2

6. Use the distributive property to workout (125 ÷ 25) - (75 ÷ 25)

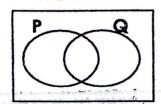
Express 90 Shrs as in a twelve neur clock

7. Given that  $x = \frac{1}{2}y = \frac{1}{6}$  find the value of 36x - 8y

8. Express 0.02456 in scientific notation and discipled and the self if \$

9. Use a ruler and a pair of compasses only construct an angle of 75° in the space provided below.

10. Shade Plant and to make the bedge to



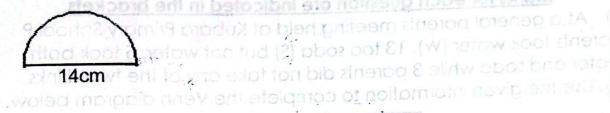
11. Use a number line to workout 2 x - 3

12. Express 0015hrs as in a twelve hour clock.

- 13. The profit Musa made when selling a shirt was UGX 2,500, he bought it at UGX 15,500. How much did he sell it?
- 14. Express 50m/s as km/hr.

15. A forty minute lesson ended at 11 : 20am, at what time did it

16. Find circumference of this figure below.



17. Teacher Alice was travelling to Luweero at a speed of 75km/hr. She covered a distance of 180km. How long did she take to cover that distance?

not take soda how many parems took water?

19. Find the LCM of 12 and 18

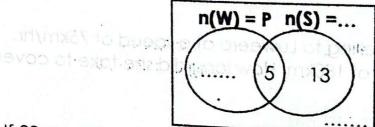
20. Simplify: 3p - 5y - 10p + 4y

SECTION B: (60 Marks)

Marks for each question are indicated in the brackets.

21. At a general parents meeting held at Kubara Primary School P parents took water (W), 13 too soda (S) but not water, 5 took both water and soda while 3 parents did not take any of the two drinks.

a). Use the given information to complete the Venn diagram below.



(3marks)

b). If 20 parents did not take soda how many parents took water?
(2marks)

22. The perimeter of the figure below is 54cm.

$$(2x + 5)$$
cm.

a). Find the value of x

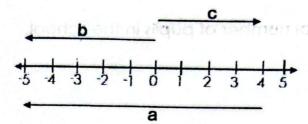
(3marks)

eet of 12 and 18

b). Calculate the area of the rectangle.	(2marks)
0). Car	
3. George bought the following items from the market.	Dw RA ID
2kg of sugar at sh.2600 per kg 3tins of royco at sh.1500per tin	etip en faitur
3tins of royco ar sit 1000 per kg 500gms of salt at sh.1000 per kg 4loaves of bread at sh.8000	ol Building is
a). Find George's total expenditure.	(5marks)
	-1045
-2(y+2)=3 (2manks)	Tol. Solve: by
b). If George was given change of sh1800 how much did h	e have
b). If George was given change at first?	(2marks)
in 27 <sub>1.5</sub> to base five. (2marks)	(PIG) Conve
24.a). 10 boys can paint a classroom in 2days, How many b	oys shall (2marks)
be needed to paint the same class in a day?	(Zindin)
28921 in a to suite and to one of pulse of a intermed enti-	
	3marks)
b). Write as a common fraction in its simplest form.  0.1212	

(2marks)	and the second s
(cyloniz)	elemptos antio per al marine rectangle.
	그는 말을 살아보는 것이 없는 것이 없는 것이 없는 것이다.
i	
A CONTRACTOR OF THE PARTY OF TH	
A INS	
	3. George bought the following items from
25.a). As I was coming to set	nool on a motor-bike, my bike got a
puncture after 1 had covers	ed % of my journey to school. If the
remaining journey was older	ed % of my journey to school. If the
ming loonley was 4km.	How long was my journey to school
(Smarks)	(3marks)
	Find George's total expenditure
The state of the s	
h) Salva: 64 OG CO	
b). <b>Solve</b> : $6y - 9(y + 2) = 3$	(2marks)
	(2marks)
** A.	
Now much did ne nave	it George was given change of shii 800.
(2marks)	I Geo. an an oat II I
	Man 1
26.a). Convert 27 <sub>ten</sub> to base fi	
, and an an arrive base in	(2marks)
	(2marks)
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Francisco Victoria Mon SVI	and the firm and point a classroom in 2sta
Annual Control of the	[4 d] . 10 DOYs continue same class in a ad
	5. 6.6.6.00
b). Workout the sum of the pla	ace value of 5 and the value of 6 in 15968.
	and the value of 6 in 15968.
	(3marks)
7.2	
**	
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Talana in the same of the same	Marke at a contained and white
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	The state of the s

27. Study the number line below and answer questions that follow;



a). What are the integers represented by?

(1 mark @)

(i). a =

- (iii). c =
- b). Write the mathematical statement for the number line above.

(1mark)

28.a). **Evaluate:** <u>0.048 x 1.8</u>  $0.6 \times 0.24$ 

(3marks)

b). Workout: 13/5 x 11/2

(2marks)

<sup>29</sup>. There are 30 classrooms in a school, 14 of them have 25pupils each and the rest have 31 pupils each

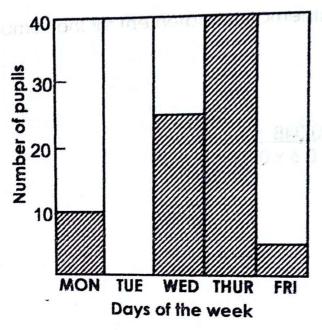
do you intoleatithe pupis were absent an inusday? [time!]

a). How many pupils are in 14 classroom altogether? (2marks)

b). Find the total number of pupils in the school.

(2marks)

30. The graph below shows number of pupils who were present in a class of 40pupils.



a). How many pupils were present on Friday . (2marks)

b). Why do you think all the pupils were absent on Thursday? (1 mark)

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deby all computer of computer c). What was the total attendance for the whole week? (3marks)

31. Using a ruler, a pencil and a pair of compasses only, construct square ABCD with her diagonals reading 8cm. (4mark	a ::s)
32. Waswa has 2(a + 3)mangoes, Kato has 20 mangoes more than Waswa. How many mangoes does each have if they all had 64 mangoes altogether. (5mark)	ksì
***End Good Luck & Success***	