

MBARARA ARCHDIOCESE PRE-MOCK EXAMINATION 2024

MATHEMATICS

Time allowed: 2 hours 15 minutes

Index No:	School EMIS	Personal No.
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Candidate's sig	nature:	A. The time shown on the clock fine below pa
		1 th 11
School Name:		
Parish:		
Read the following	instructions carefully:	FOR EXAMINER'S USE
The paper has two sections: A and B		ONLY
1. Section A has	20 questions (40 marks)	27.75
2. Section B has	12 questions (60 marks)	
3. Answer ALL	uestions. All answers to both secti	ons A and B Qn. No MARK SIG

-,	
6.	Any handwriting that cannot be easily read may lead to loss of
	marks.
_	

5. Unnecessary crossing of work may lead to loss of marks.

4. All answers must be written using a blue or black ball point pen

Do not fill anything in the boxes indicated;For Examiner's use

must be written in the spaces provided.

or ink. Diagrams should be drawn in pencil.

ONLY		
7	21	
Qn. No	MARK	SIGN
Q11. 140	IVIAIN	01014
1-5	Shade cilie	
6 - 10	B	
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26	Fund dills via	
27 - 28		-
29 - 30		
31 - 32		
TOTAL		

SECTION A

1. Work out 275

2.

Write 54,045 in words

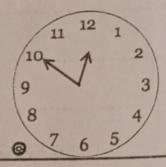
- 53

3. Given that a=2 and b=-1 find the value of a³ - 2b

4. Find the next number in the sequence

3, 4, 7, 12, 19, 28, __

5. The time shown on the clock face below is in the afternoon. Write it in 24-hour clock



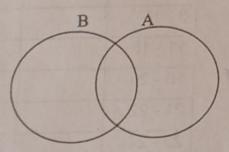
6. Simplify

 $\frac{9}{21} \div \frac{3}{7}$

7. Work out

(72x5) -(5x48)

8. Shade either set A or set B



9. Find the value of 3 in 4321 five.

10.

Find the G.C.F of 18 and 27

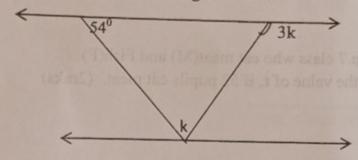
11. The cost of three LIC 1 !!	THE PERSON NAMED IN COLUMN TWO		
11. The cost of three US dollars is buy with Ug, sh. 255 500	Ug sh. 10,950.	Find the number of	dollars that Martha Will
buy with Ug. sh. 255,500	- 4	T 1.4.	

12. Using a pair of compasses, a ruler and a pencil only construct an angle of 750 at point K

K

13. Work out the median of 1, -2, 3, -3, 4 and 3

14. Find the value of k in the diagram below



15. Given that Set $M = \{2,3,5,7,11\}$, Set $N = \{1,3,5,7,9,11\}$. Find n [N-M].

16. A girl had a cup ¾ full of tea, she drank $\frac{2}{9}$ of the tea in the cup. Find the fraction of the cup remained with tea.

A boy bought 4 packets of biscuits each weighing 35	Ug. Find the weight of the biscuits in kilogrammes
A boy bought 4 packets of	buy with Ug sh. 255,500
17. Find the value of g	Work out 20÷5x4
2-5=g(finite 7)	
20 8(
The state of the s	
The same of the sa	
20. A motorist rode 150km in 75 minutes, find the speed	of the motorist in kilometres per hour
SECTION B	
21. The diagram below shows the number of pupils in a	
Fish Meat (a) Find	the value of t, if 52 pupils eat meat. (2mks)
3t+5 (2t 4t-8)	
AN-NI THAT DEN-MA	Given that Set M = (2.3.5.7.11), Set N = (1.3.5.7.)
) Find the total number of pupils in the class	(C) W. I
(1mk)	(C) Work out the number of pupils who
(Tilk)	do not eat fish at all. (1mk)
this love own was all	
a in the cup. Find the fraction of the cop remained will	A girl had a cap M fall of rea, she drank 5 a me
@ A4b = A = 1 !!	
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22.A school Bursar went to the market and bought the following items 2kg of meat at sh. 15,000 per kg e at which the bus left Kunese 4kg of rice at sh. 5,000 each kg 3 1/2 kg of sugar at sh.4,600 per kg 1 1/2 kg of tea leaves at sh. 1,500 If the Bursar was given a change of sh. 23,000, find the total amount of money, he went with (05 marks) A packet containing 2 dozen of pens weighs 9.6kg, if the empty packet weighs 2.4kg. Find the weight of each pen in grammes. (04 marks 23.(a) Find the sum of the value of 6 and the value of 9 in the number 6539 (03 marks)

(b) Work out 1010 five -344 five

(02marks)

24. A bus reached Mbarara from Kasese at 3:20pm, if the journey took 100 minutes

(a) Find the time at which the bus left Kasese

(03 marks)

(b) If the distance from Kasese to Mbarara is 150km, find the average speed of the bus in metres per seconds (03 marks)

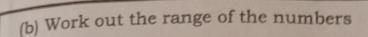
25.(a) Solve $\frac{1}{2}$ n -3 =n+1 (03 marks)

(b) Simplify 4g-7k-2g+3k (02 marks)

26.A cuboid of sides 2cm by 3cm by 4cm has a mass of 2kg. find the mass of a cuboid made by similar materials of sides 4cm by 6cm by 8cm. (6mks)

27. The average of 12, g, 7, g+1, g and g-2 is 9.

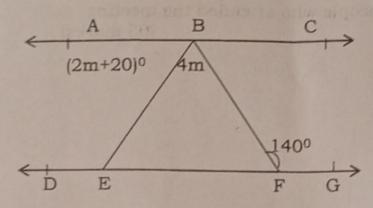
a) Find the value of g. (03 marks)



(01 marks)

28.(a) Find the value of m in the diagram below

(02 marks)



b) Find the size of the angle marked FEB

(02 marks)

29. Given the digits 3,5, and 0

(a) Form all the four numbers that will be formed using the above digits. (04 marks)

(b) Find the difference between the largest and the smallest numbers formed (01mark)

30.(a) Simplify

$$\frac{1}{2} + \frac{1}{4} \div \frac{3}{8} \times \frac{3}{10}$$

(03 marks)

b) In L.C.1 meeting the ratio of men to woman was 3:5 respectively. 30 women attended the meeting. (03 marks)

31.Using a pair of compasses, a ruler and a pencil only construct a quadrilateral ZWXY such that WX=6cm, YX=4cm and angle W=900 (04 marks)

(b) Measure angle YWX (01 marks)

END