



UGANDA MUSLIM TEACHERS' ASSOCIATION
UMTA JOINT MOCK PRIMARY LEAVING EXAMINATIONS 2024
MATHEMATICS
2 HOURS 30 MINUTES

INDEX NUMBER									
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CANDIDATE'S NAME.....SIGN.....

SCHOOL.....DISTRICT.....

Instructions to candidates:

Do not open this Booklet until you are told to do so

- The paper has two Sections A and II.
- Answer all questions sections A and II in the spaces provided.
- All answers must be written in Blue or Black pen or ink.
- Unnecessary changes (crossings) or alteration of answers may lead to loss of marks.
- Any handwriting that cannot easily be read may lead to loss of marks.
- The use of calculators or other mathematical tables is not allowed.
- Do not fill anything in the boxes indicated for "Examiners use only"

FOR EXAMINERS' USE ONLY

QN	MARKS	INITIAL
SEC A		
1 - 05		
06 - 10		
11 - 15		
16 - 20		
SEC II		
21 - 22		
23 - 24		
25 - 26		
27 - 28		
29 - 30		
31 - 32		
TOTAL		

SECTION A (40 marks)

1 Work out: 759

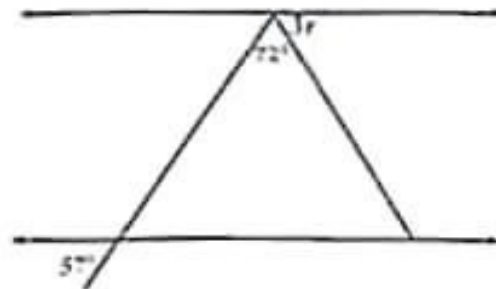
$$\begin{array}{r} -434 \\ \hline \end{array}$$

2 Write "forty-four thousand, forty-eight" in figures

3 Given that $a = 2$ and $b = -3$, find the value of $2a^2 - b$

4 Simplify $\frac{4}{12} - \frac{3}{10}$

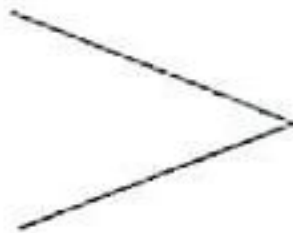
5 Find the value of r in the diagram below



10. Find the sum of the first 4 natural even numbers.

11. Express 7.45 hours as a 12-hour clock.

12. Using a pair of compasses, a ruler and a pencil only bisect the reflex angle in the diagram below.



13. Find the value of 2 in 3241_{five} .

14. Work out the lowest common multiples (L.C.M) of 12 and 15

15. Two-thirds of the class was present on Friday last week, $\frac{1}{2}$ of it was girls. Find the fraction of boys present.

16. The weight of a supervisor in a company is 75kg. When one worker joins the three workers, the average weight of the supervisor and workers becomes 50kg. Find the weight of the workers.

17 A cyclist rides a bicycle at an average speed of 16km/h. for one hour and thirty minute. Calculate the distance the cyclist covered.

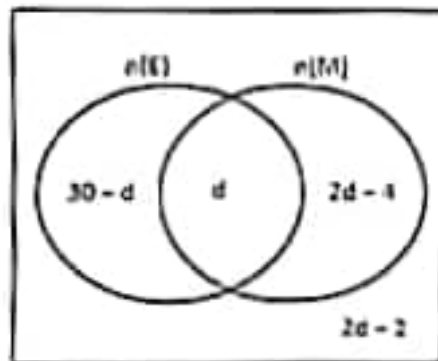
18 Simplify $(4q - 6) - (3q - 8)$

19 Kato was given Sh.1500 for lunch. Two people were demanding him some money. If he paid the first one Shs 500 and the second one Shs 200 more than the first one, find the amount of money Kato remained with

20 Find the number of strides of 30cm can a builder make to cover a distance of a building 45 metres high.

SECTION B (60 MARKS)

- 21 In a class, $2d - 4$ pupils like Mathematics (M) only, d pupils like both Mathematics and English (E), $30 - d$ pupils like English (E) only while $2d - 2$ pupils like neither Mathematics nor English. Study the Venn diagram below and answer the questions that follow.



- (a) Find the value of d , if $n(E \cup M) = 16$ (02 marks)
- (b) Work out the number of pupils who do not like English at all (02 marks)
- (c) Find the total number of pupils in the class. (02 marks)

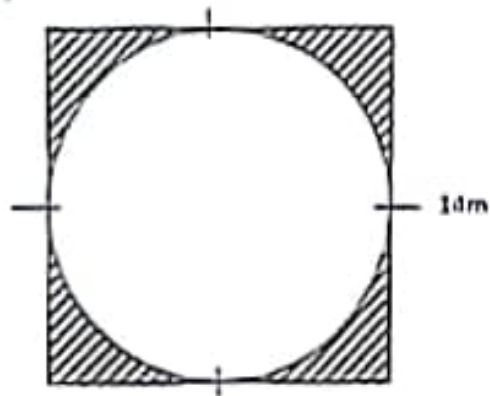
22. (a) Find the quotient of the value of 3 and the value of 5 in the number 3458
(03 marks)

(b) Expand $103\frac{1}{100}$ using place values. (02 marks)

23. (a) Find the principle that will amount Sh.138,000 at a rate of 5% per year for 3 years.
(03 Marks)

(b) Find the simple interest after 3 years (02 Marks)

24. The figure below shows a circle placed in a square. Find the area of the shaded part.
(Use $\pi = \frac{22}{7}$) (05 marks)



25. The range of two numbers is 8 and their sum is 32. Find the numbers (04 marks)

26. (a) Complete the shopping table bill

(04 marks)

Item	Quantity	Unit cost	Amount
Beans	2 kg	Sh.4000 per kg	Sh.
Peas kg	Sh.5000 per kg	Sh.1,400
Soya beans	2 $\frac{1}{2}$ kg	Sh. per kg	Sh.7,500
Total Expenditure:			Sh.

(b) If Martha paid Sh.16,300, find the discount she received

(02 marks)

27 A worker spent $\frac{1}{3}$ of his salary on Monday, $\frac{2}{5}$ of the remainder on Wednesday and the rest on Friday. If he spent sh.18,000 on Friday, find the worker's salary

(05 marks)

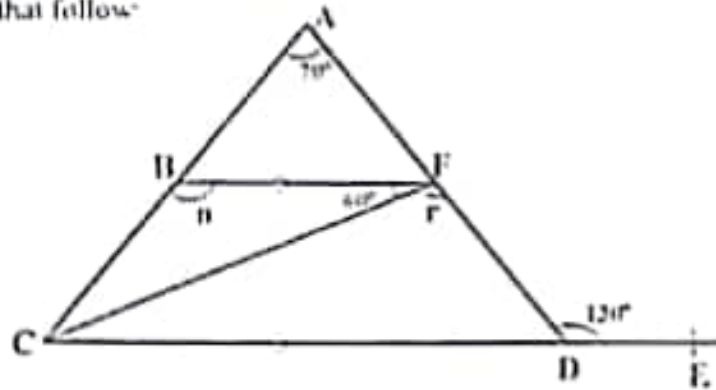
28 Below is a timetable for the taxi travels from Gulu to Kampala.

Town	Arrival time	Departure time
Gulu		8:45am
Karuma	9:25am	9:35am
Luwero	10:20am	10:40am
Kampala	12:15pm	

(a) Write the time the taxi arrived Kampala in 24-hour clock (02 marks)

(b) If the taxi travels at an average speed of 60km/h. Find the distance from Kampala to Gulu. (03 marks)

29 In the diagram below, BF is parallel to CD . Study the diagram and answer the questions that follow.



Find the size of :

(i) angle r

(02 marks)

(ii) angle n

(02 marks)

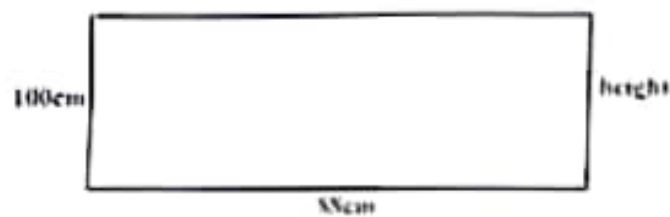
10. The table below shows the marks scored by pupils in a P 7 class for mock exams

Marks	40	r	60	70
No of pls	111	1111	111	111

If the mean mark was 55, find the value of r .

(04 marks)

31. The figure below is a rectangular metal which is to be folded into a hollow cylinder



(a) Find the volume of the cylinder

(04 marks)

(b) Work out the capacity of the cylinder

(01 mark)