



THE REPUBLIC OF UGANDA

TORORO DISTRICT PRIMARY SCHOOLS' ACADEMIC COMMITTEE
PRIMARY LEAVING MOCK EXAMINATION 2024
MATHEMATICS PAPER
TIME ALLOWED : 2HRS 30 MINUTES

INDEX NUMBER

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NAME:Signature:.....

SCHOOL:

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO

Read the following instructions carefully:

1. The paper has two sections: **A** and **B**.
2. Answer All questions **Both** in **A** and **B**.
3. Section **A** has **20** questions (40 marks)
4. Section **B** has **12** questions (60 marks)
5. Attempt all questions. All answers in both Sections **A** and **B** must be written in spaces provided.
6. All answers must be written in **blue** or **black ball** point pen **or** ink. Only diagrams must be done in pencil.
7. Unnecessary changes of work may lead to loss of marks.
8. Any handwriting that cannot be easily read may lead to loss of marks.

FOR EXAMINERS ' USE ONLY		
Qn No.	MARKS	EXAMINER'S INITIALS
1-5		
6-10		
11-15		
16-20		
21-22		
23-24		
25-26		
27-28		
29-30		
31-32		
TOTAL		

SECTION A 20 QUESTIONS. (40 MARKS)

1. Simplify: $36 \div 4$

2. Write 94 in Roman Numerals

3. Shade $\frac{3}{4}$ in the diagram below

4. Simplify: $5m - 3n + 2m - n$

5. In the space below construct an angle of 75°

6. Given that set $Q = \{\text{Man, Woman, Boy}\}$. Find the number of proper subsets of set Q .

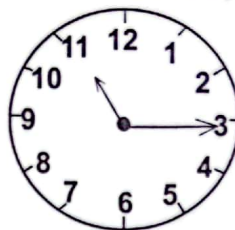
7. Using distributive property, work out $(72 \div 4) + (28 \div 4)$

8. Work out: 1101_{two}
 $+ 11_{\text{two}}$

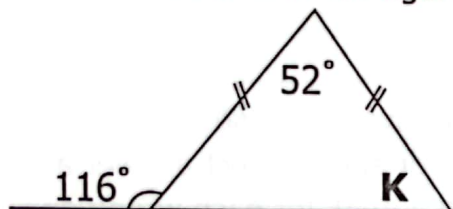
9. Work out the range of 3, -4, 9, -6

10. The bearing of town **Q** from town **N** is 135° , Find the bearing of town **N** from town **Q**

13. Tell the morning time shown on the clock face in 24hour clock system.



11. Find the value of **K** in the figure below.



14. Madam Amusugut deposited shs. 500,000 in Stanbic bank that offers an interest rate of 18% per year. If she was offered the interest of shs.45,000, Calculate the time.

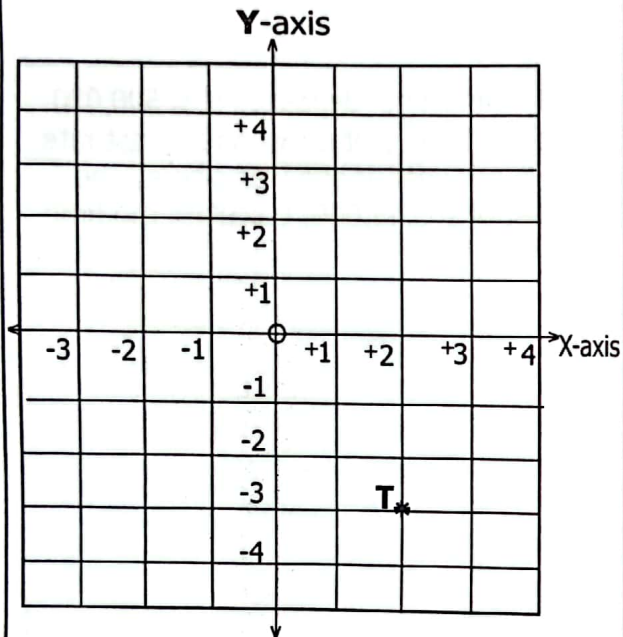
12. 4men take 5days to clear the shamba, How long will 10men take to clear the same shamba if they work at the same rate.

15. Aman had bank notes numbered from **TR 003782** to **TR003881**. How many notes did he have?

16. Find the next number in the sequence:

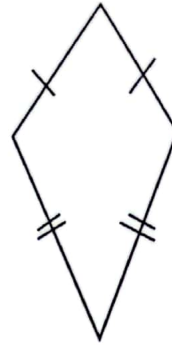
2, 3, 5, 7, _____

17. Write the Co-ordinates of point **T** marked in the graph below.



18. Express 5m/s to Kilometer per hour.

19. How many lines of folding Symmetry has the figure below.



20. Ateacher gave 20 questions and awarded 2 marks for each correct answer and deducted a mark for each wrong answer. If a pupil got 18 numbers correct, what mark did the pupil get.

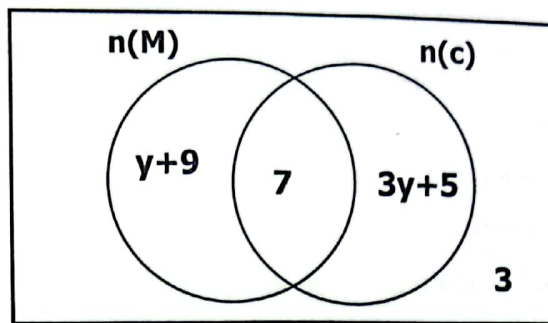
SECTION B 12 QUESTIONS. (60 MARKS)

21. Omiel was given digits 3 , 4 ,0 and 5
(a) Form the smallest 4-digit number using the digits Omiel was given. **(1mark)**

(b) Show the largest 4-digit number using the digits on an abacus. **(2 marks)**

(c) Given 3405, Find the product of the value of 0 and place value of 4 in the number. **(2 marks)**

22 The Venn diagram below shows the number of pupils who like Meat (**M**) and Chicken (**C**), Use it to answer the questions that follow.



(a) If 20 pupils like chicken only, find the value of **y**. **(2marks)**

(b) How many pupils like meat ? **(2marks)**

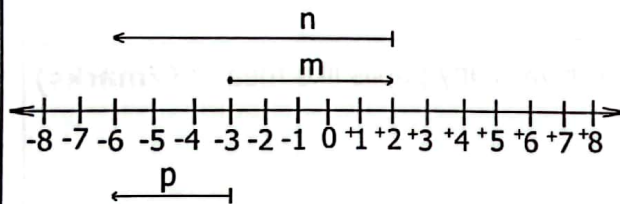
(c) If a pupil is picked at random, find the probability that the pupil picked do not like any of the two dishes. **(2marks)**

23. Mr. Kagwa went to the market with Shs. 50,000 and bought the following items as shown on the table below.

ITEMS	QUANTITY	UNIT COST	AMOUNT
Meat	—— Kg	Shs.12,000	Shs.18,000
Rice	2 Kg	Shs.4,000	Sh.——
Cooking Oil	500ml	Shs.——	Sh.——
Total expenditure			Shs.34,500

(a). Calculate his change ? **(6marks)**

24. Study the number line below and answer the questions that follow.



(a). Name the arrows?

(i) P _____ (i) m _____ (i) n _____
(3 marks)

(b). Write the mathematical statement shown on the number line above. **(2marks)**

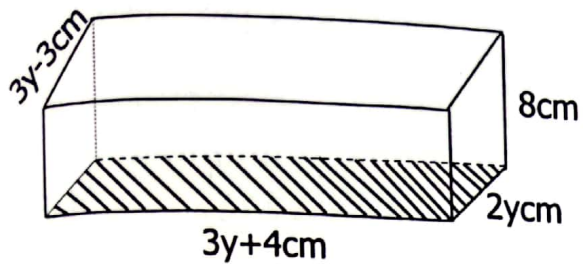
25. With the help of a pencil, a ruler and a pair of compasses only construct triangle **MTN** where line **MT**= 6cm, line **MN**=5.5cm and angle **TMN**= 60°. Drop a perpendicular bisector from point **N** to meet line MT at **Y**
(4 marks)

(b). Find the area of triangle constructed above
(2 marks)

26. Express 0.272727.....as proper fraction to its simplest form. **(2marks)**

(b) Simplify: $\frac{0.03 + 0.6}{0.9}$ **(3 marks)**

27. Study the figure below and answer the questions that follow.



(a) Find the value of Y (2marks)

(b) Work out the Volume. (2marks)

28. The time table below shows how Gloria spent her time last sunday. Study it carefully and answer the questions that follow.

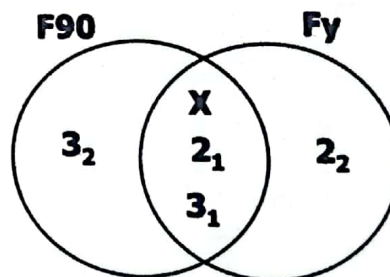
TIME	ACTIVITY
7:00am - 10:30am	Praying
10:45am - 12:45pm	Washing
1:00pm - 2:45pm	Playing
5:00pm - 7:30pm	Reading

(a) Which activity took more time than others? (1marks)

(b) How long did she take washing ? (2marks)

(c) Calculate the total time spent carrying out all the activities.

29. The Venn diagram below shows the prime factors of 90 and Y



(a) Find the Value of x (2marks)

(b). Find the Value of **Y** (2marks)

(c) What is GCF of F90 and Fy

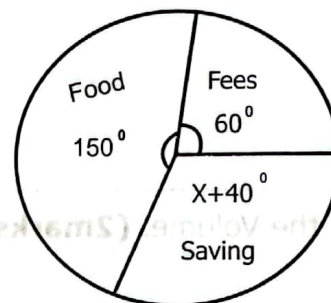
30. (a) Change 19_{ten} to binary.(2marks)

(b) Given that $32_n = 43_{\text{five}}$,
Find n. (3marks)

31. Setting of District mock examination started on tuesday and it lasted for 15 days. On which day did it end? (2marks)

(b) Abao had playing cards, when she grouped in 3s, 2Cards remained when she grouped them in 4s, 3cards remained and when she grouped in 5s, 3cards remained. Find the least number of cards Abao had. (2marks)

32. Loyo spends his monthly income as shown in the Circle graph below. Use it to answer questions that follow.



(a) Find the value of **X**

(b) If she spends shs. 36,000 more on food than fees, How much is her total income in the whole month?

SUCCESS