THE REPUBLIC OF UGANDA

MUBENDE DISTRICT LOCAL GOVERNMENT

JOINT PRIMARY LEAVING MOCK EXAMINATION 2023.

MATHEMATICS

Time allowed: 2 hours 30 Minutes

Random No							Personal No		

Pupil's Name: ....

Pupil's Signature: ....

School Name: ....

District Name: ....

Read the following instructions carefully:

1. This paper has two sections **A** and **B**.

   Section **A** has **20** questions and section **B** has **12** questions. Answer all questions. The paper has 8 printed pages.

2. **All** working must be done using a **blue** or **black** ball point pen or ink. Any work done in pencil other than graphs and diagrams will **NOT** be marked.

3. Answer all questions. All the working for both sections **A** and **B** must be shown in the spaces provided.

4. **No calculators** are allowed in the examination room.

5. Unnecessary **changes** in your work and handwriting that cannot be easily read may lead to **loss of marks**.
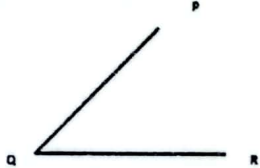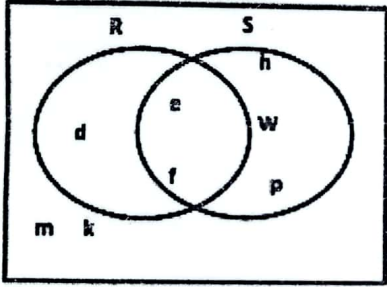
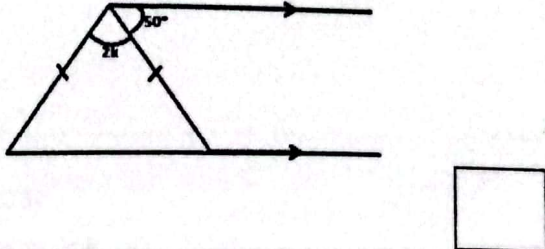6. Do not fill anything in the table indicated **"FOR EXAMINERS' ONLY"**.

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

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Turn Over

1. Work out: $39 \div 3$

6. Find the sum of the next number in the sequence below.

1, 3, 6, 11, 18 _____, _____

2. Write 90049 in words

....

....

....

7. Using a protractor, measure angle PQR below.

3. In the venn diagram below, find n(S) complement.

8 The cost of 2 litres of petrol is Shs. 8,000/=. How much petrol will one buy with shs. 14,000/=.

4. Work out: -6 -4

9. Round off 99.64 to the nearest whole number.

5. Solve the inequality: $5 - 3q < 17$

10. Give that m = n = 4 and g= -2, evaluate mn-g

Turn Over

11. The Lowest Common Multiple (LCM) of two numbers is 36 and their Greatest Common Factor (GCF is 6. If the first number is 12, find the second number.	15. Find the value of K in the figure below in degrees.
12. Henry borrowed Shs. 300,000/= from a money lender. He paid a simple interest rate of 8% per month for 3 months. Calculate the simple interest he paid after the 3 months	16. Suzan bought 3.5kgs of maize flour. She packed all the flour in small sackets of 500gs each. How many sackets did she get from all the flour?
13. A box of chalk weights 11.5kgs when the box of chalk is a half full of chalk, it weights 6.5kgs. calculate the weight of chalk only.	17. Workout: $(86 \div 4) - (6 \div 4)$ using distributive property only.
14. The circumference of a semicircle is 22dm. Find its area.	18. A bus moving from Kampala to Kisoro took 7 hours and 25 minutes. If the bus reached Kisoro at 2:1opm. At what time did the bus leave Kampala?
	19. Yesterday was Wednesday, what day of the week will it be after 17 days.

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Turn Over

20. A cheetah ran a distance of 60metres in only 3 seconds. Calculate the speed it was using in km/hr
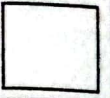
SECTION B: 60MARKS

*Answer **all** questions in this section*

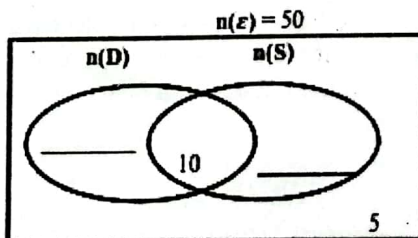*Marks for each of the part of the question are indicated in the brackets.*

21. a) Work out:

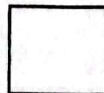$$\begin{array}{r} 4 \quad 2 \quad 3 \text{ five} \\ - \quad 1 \quad 3 \quad 4 \text{ five} \\ \hline \end{array}$$

b) Express CXCIV as Hindu Arabic numerals **(2marks)**

22. In a class of 50 members, 25 like dancing (D), q like singing(S) only, 10 like both activities while 5 do not like any of the two activities.

(a) Complete the venn diagram below. (2 marks)

n(ε) = 50

n(D)   n(S)

10

5

b) Find the number of members who like singing (3 marks)

23. Stellah went for shopping and bought the following items.

- 3kgs of beans at shs. 3800 @kigs
- 1kg of salt at shs. 1500 per kg
- 500g of meat at shs. 15,000 per kg
- 8 apples at shs. 4800.

a) How much did she spend altogether (4 marks)

b) If she was given a discount of shs. 2595. Calculate her percentage discount. (1mark)
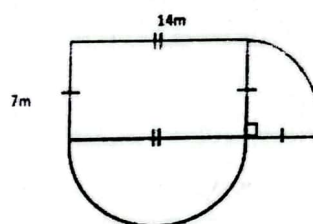
4

24. a) Mr. Mutyaba spent $\frac{2}{3}$ of his salary and saved the remaining money. If he saved Shs. 180,000/=, what was his salary? (3marks)

b) The cost of a cock, a duck and a turkey are in the ratio of 3:4:5 respectively. The cost of a turkey is shs. 50,000 more than the cost of a cock. Calculate the total cost of a duck and a turkey. (3marks)

25. Study the number line below and use it to answer the question that follow.

a) Write the integers represented by the arrow: (1mark)

    i) r=
    ii) p =
    iii) q

b) write down the subtraction mathematical sentence for the above number. (2marks)

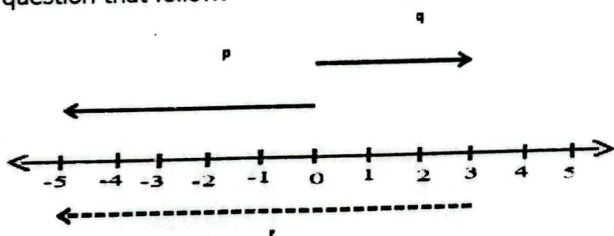26. a) Solve and find the solution set for the inequality: 12>3p − 3 where p is a natural number (3marks)

b) Subtract b-2 from 4b (2marks)

27. The figure below is of a banana garden, use it to answer the questions that follow.

a) Find the area of the banana garden. (4marks)

28. Tap P alone takes 4 minutes to fill a water tank. Tap Q alone takes 8 minutes to draw water from the same tank.

a) How long will it take to fill the same tank when both taps are left open at the same time? (3 marks)

b) If it took one minute to fill 120 litres, find the capacity of the tank. (2marks)

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29. In an athletics competition which started at 10:00 am. Kimrotan, Kiprotic and Kipong took 30 minutes, 40 minutes and 60 minutes respectively to reach at their starting point for the first lap. If they continued running for other laps. At what time will they reach again their starting point at the same time? (4marks)

30. The table below shows the performance of pupils in a test. Use to answer the questions that follow.

| Number of pupils	4	1	K	2
Marks scored	65	90	80	70

a) If the average mark was 73, find the value of K. (3marks)

b) How many pupils scored above the median mark? (2marks)

31. Using a pair of compasses, ruler and a very sharp pencil only, construct a rhombus PQRS where diagonal QS and PR are 6cm and 8 cm respectively. (5marks)

32. A motorist drove from Kampala to Jinja through Mukono. He started the journey at 11:30 a.m. and drove at a speed of 50km/hr for 1 hour. He rested at Mukono for 30 minutes and then continued to Jinja which is at a distance of 85km away from Mukono at a speed of 34km / hr.

a) Show the motorist journey on the graph below. (4marks)

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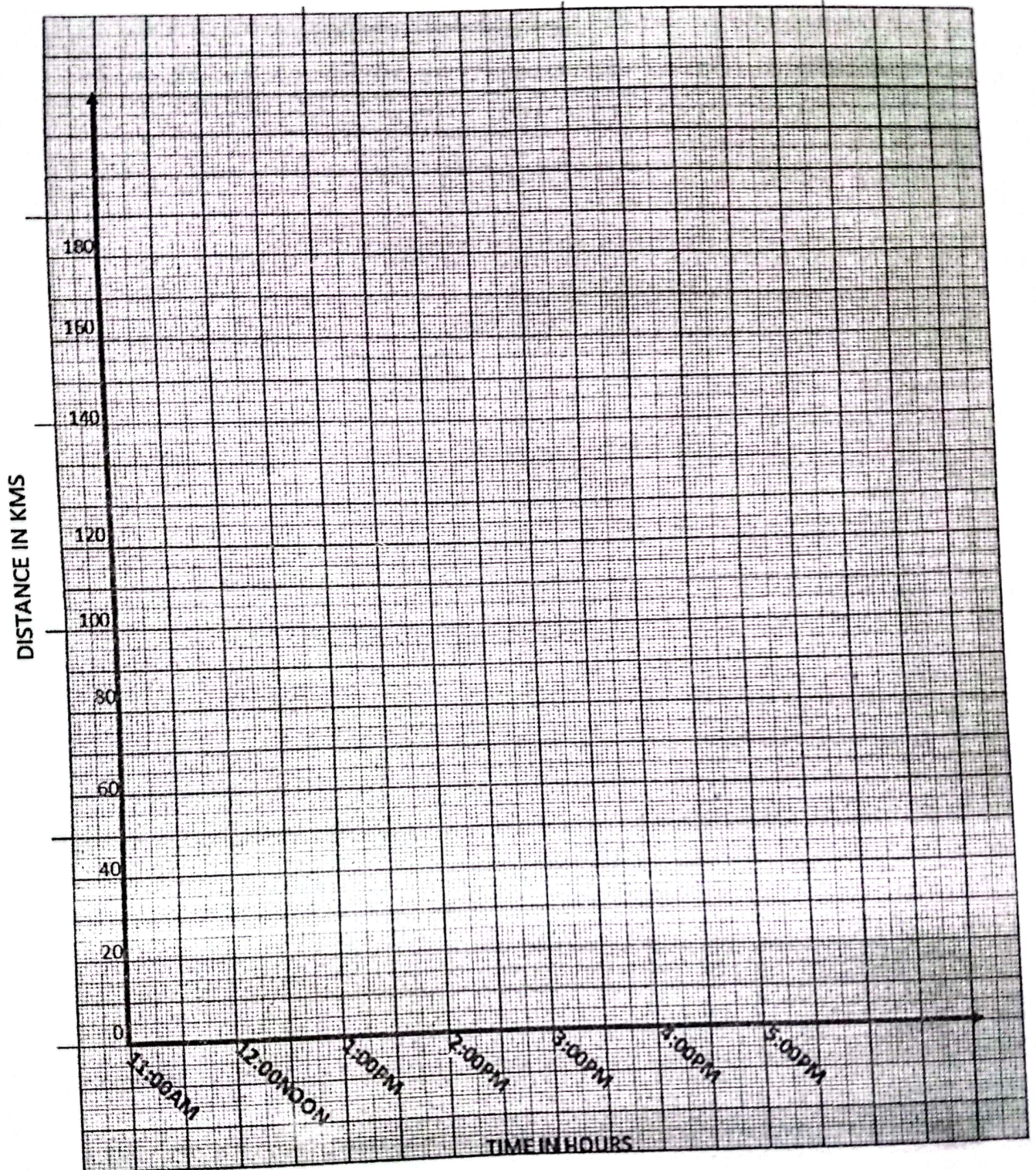
b) At what time did the motorist reach Jinja? (1 mark)

END

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