

MBARARA MUNICIPAL AND JUNIOR SCHOOLS

MID TERM III EXAMINATION 2024

P. 6 MATHEMATICS

Time Allowed : 2 hours 30 minutes

Index No.

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NAME:

STREAM:

SCHOOL:

Read the following instructions carefully.

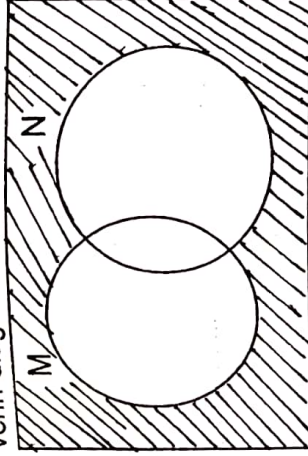
1. The paper has two sections **A** and **B**.
2. Section **A** has 20 short answer questions (**40 marks**)
3. Section **B** has 12 questions (**60 marks**)
4. Answer all questions. All working and answers for both sections **A** and **B** must be shown in the spaces provided.
5. All answers must be written using a blue or black ball point pen or ink . Only Diagrams should be drawn in pencil.
6. Unnecessary alteration of work will lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks.
8. Do not fill anything in the boxes indicated for " official use only"

| FOR OFFICIAL USE ONLY | | |
|-----------------------|-------|-----------|
| SECTION | MARKS | T/L MARKS |
| A | | |
| B | | |
| TOTAL | | |
| TEACHER'S COMMENTS | | |

SECTION A

1. Work out: $26 + 13$

2. Describe the shaded region in the venn diagram below.



3. Write the number that has been expanded to give.

$$(2 \times 10^4) + (7 \times 10^0) + (8 \times 10^2)$$

4. Find the next number in the sequence below.

36, 25, 16, 9, _____

5. Increase sh. 20,000 by 20%

6. Find the mean of $2y, y + 4$ and 5

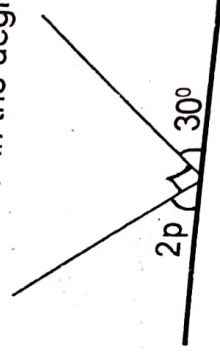
7. Tell the afternoon time shown on the clock face below.



8. Alex arrived in Uganda with USD 200.

How much did he get from the bank if USD1 is equivalent to UG sh. 3,700?

9. Find the value of P in the degrees.



10. Solve for e;
 $4e - 1 = 19$

11. Work out: $132_{\text{five}} + 42_{\text{five}}$

12. Convert 4500g to kg.

13. The L.C.M of y and p is 36 and their GCF is 6. If y is 12, Find the value of p.

14. Express $\frac{1}{3}$ as a decimal number.

15. A box contains 8 red pens and 12 blue pens. What is the probability of picking a blue pen from the box?

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16. Using a pair of compasses ruler and pencil construct an angle 60° .

17. Joel counted 17 cars on Monday.
Express this using tallies.

18. A bus covers a distance of 120km in 2 hours. At what speed was it moving?

19. Express 104 in Roman numerals.

20. Simplify: $-5 - -8$

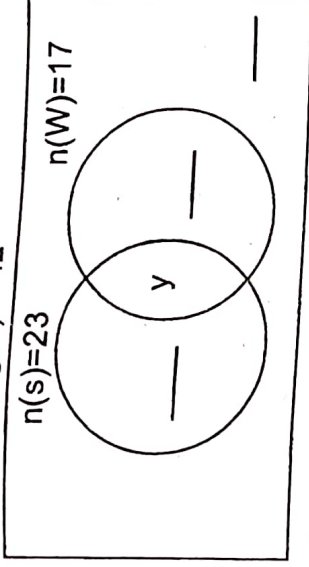
SECTION B

21. At a party attended by 42 people, 23 took soda (S), 17 took water (W), y took both drinks and 7 took none of the two drinks.

(a) Use the information to complete the venn diagram below.

(3mrks)

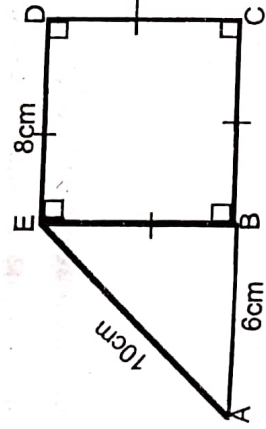
$$n(S) = 23$$



(b) Find the value of y.

(2mrks)

22. Study the figure below and use it to answer the questions that follow.



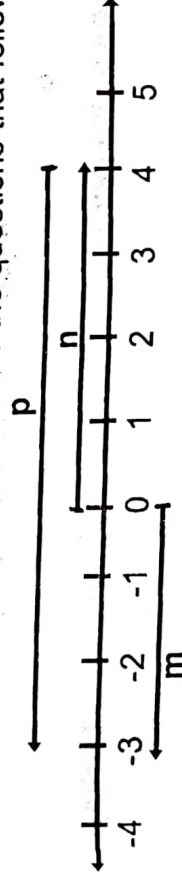
(a) Find the perimeter of the figure.

(2mrks)

(b) Work out the area of the figure.

(3mrks)

23. Use the number line below to answer the questions that follow. P.6 Maths



(a) Write the integers represented by arrows.

(1mrk)

n= _____ m= _____ p= _____

(b) Write down the mathematical sentence shown on the numberline. (2mrks)

24. A lady went shopping and bought the following items.

3kg of beans at sh. 2400 each kg

$2\frac{1}{2}$ kg of sugar at sh. 3200 per kg

500g of Omo at sh. 5000 per kg.

4 bars of soap at sh. 16,000.

(a) Calculate the total expenditure.

(4mrks)

(b) If she went with sh. 50,000, calculate her change.

(1mrk)

25. On a farm of 180 animals, $\frac{5}{9}$ of them are goats and the rest are cows.

(a) How many cows are on the farm? (3mrks)

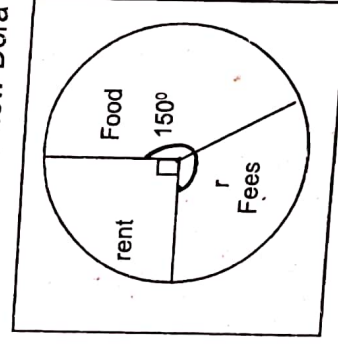
(b) How many more goats than cows are on the farm? (2mrks)

26. (a) A meeting that started at 9: 15 am ended at 11: 00 am, For how long was it? (2mrks)

(b) Convert 36km/ hr to m/s .

(3mrks)

27. The pie chart below shows how Dora spends her sh. 720,000.



(a) Find the value of r . (2mrks)

(b) How much more does she spend on food than rent? (3mrks)

(b) Represent the biggest four -digit numeral formed on the abacus. (2mrks)

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(c) Find the difference of the biggest and the smallest numbers formed.

(2mrks)

31. A mother is 3 times as old as her daughter. If their total age is 48 years.

(a) How old is the daughter?

(3mrks)

(b) How old will the mother be in 5 years to come?

(2mrks)

32. The sum of 3 consecutive odd numbers is 27.
(a) Find the numbers.

(4mrks)

(b) Find the square of the largest number.

(2mrks)

8 END