MUKONO DISTRICT MUSLIM PRIMARY HEADTEACHERS'
ASSOCIATION (MUDIMUPHA)
MOCK EXAMINATION   2024

MATHEMATICS

Time allowed: 2 hours 30 minutes

Index No.

EMIS Number							Personal No.		

Candidate's Name:………………………………………………………………

Candidates' signature :……………………………………………………………..

School Random Number   ………………………………………………………

District ID No………………………………………………………………..…

DO NOTE OPEN THIS BOOKLET UNLESS YOU ARE TOLD TO DO SO

Read the following instructions carefully:

1. Do not write your school or district name anywhere on this paper.
2. Section A has 20 questions (40 marks) attempt ALL questions.
3. Section B has 12 question (60 marks|) attempt all questions
   All answers to both A and B must be written in the space provided.
4. All answers MUST be written using blue or black ball point pen or ink. Diagrams should be drawn in pencil.
5. Unnecessary changes of work may lead to loss of marks .
6. Any handwriting that cannot easily be read may lead to loss of marks.
7. Do not fill any thing in the boxes indicated
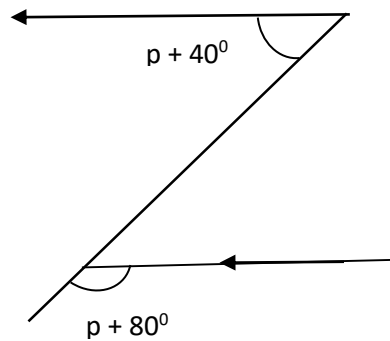
For External Use Only

FOR EXAMINERS' USE ONLY		
Qn. No	*MARKS*	*EXR'S NO*
1-10		
11-20		
21-22		
23-24		
25-26		
27-28		
29-30		
31-32		
TOTAL		

SECTION A (40 MARKS)

1. Work out 423 +234

2. Write 402904 in words

3. The ministry of Education and Sports held a workshop in RIDAR HOTEL and it took 40 days. If the workshop ended on Thursday,on which day did it start?

4. A lecture started at 17: 45 hours and ended 9:15 pm, find the total time the lecture took.

5. Work out $^6/_7 \div {}^3/_5$

6. Find the size of the angle marked $(2px40)^0$ in the diagram below.

p + 40⁰ → $p + 40^0$

p + 80⁰ → $p + 80^0$

7. Simplify. $(2X-4) - (X-8)$

8. Find the next number in the sequence

2, 5, 11, 21, 36, _____

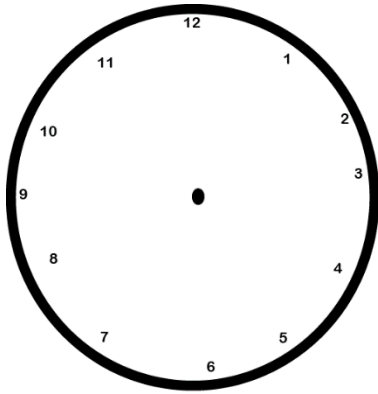9. Express 400 millimetres as metres

10. A pupil scored the following marks in his homework as follows:-
    13,5,9,2 and 10. Find his range marks.

11. Change 12:50 hours into 12 hour clock system.

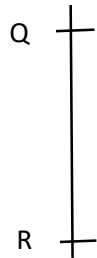12. Express $37^1/_2\%$ as a ratio

13. Write 10011_{two} in base ten

14. A meeting that lasted $3^1/_2$ hours ended at 12:15p.m. show the
    starting time on the clock below.

15. Work out 9+16÷ 4 x 7

16. Maria bought $2\frac{1}{2}$ dozen of books and sold each at Sh. 450. How much money did she get after selling the books?
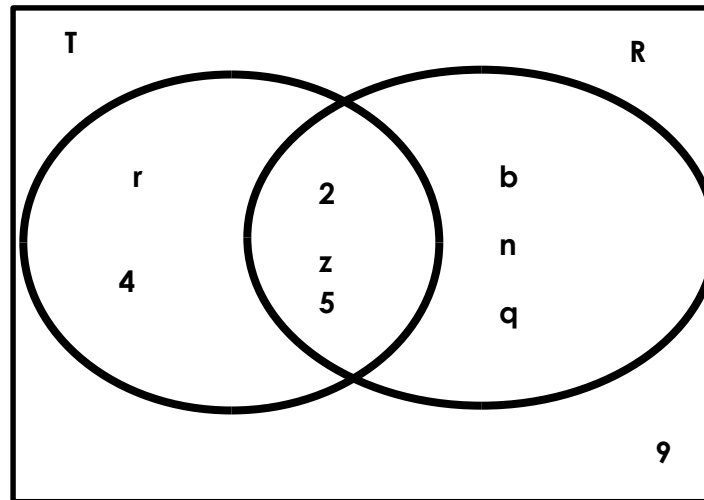
17. Using a pair if compasses, a ruler and a pencil only bisect the line
segment QR

Q ╤

R ╤

18. Solve $7 - 2c = 11$

19. Find the square of the sum of the first four cube numbers

20. In the venn diagram below find n(T - R)[1]

```
┌─────────────────────────────────────────┐
│ T                                     R   │
│      ╭──────────╮  ╭──────────╮           │
│    ╱           ╱ ╲╲          ╲             │
│   │      r    │   │    b      │            │
│   │           │ 2 │           │            │
│   │           │   │    n      │            │
│   │     4     │ z │           │            │
│    ╲          │ 5 │    q     ╱             │
│     ╲          ╲ ╱╱         ╱              │
│      ╰──────────╯ ╰─────────╯             │
│                                    9      │
└─────────────────────────────────────────┘
```

SECTION B (60MARKS)

21. Simplify

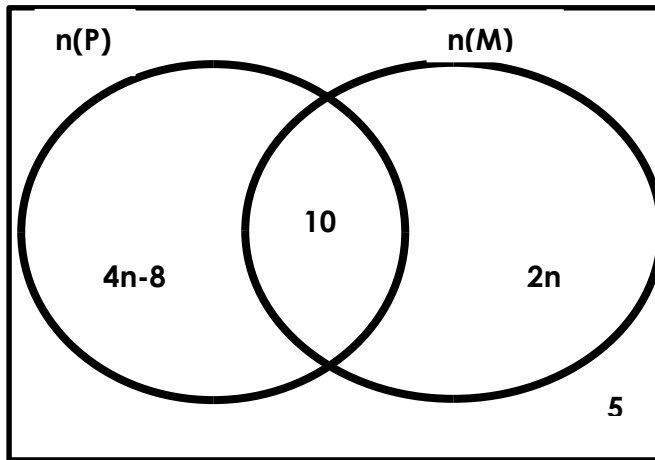$$\frac{1.2 + 1.5}{2.4 \div 0.8}$$ **(03 marks)**

b) Express 0.3666...... as a proper fraction   **(03 mark)**

22. The venn diagram below shows the number of members in a family who eat Matooke (M) and posho(P)

a) Find the value of n, if 16 members eat only one type of food. **(03 marks)**

b) Find n(pum) **(02 marks)**

c) Find the probability of the members who eat posh **(01 mark)**

23. Moses went to the market and bought the following items:-

3kg of sugar at Shs3800 per kg,

750 grammes of tea leaves at shs 3200 per 250g.

15 mangoes at Shs 1700 for every 3 ,mangoes,

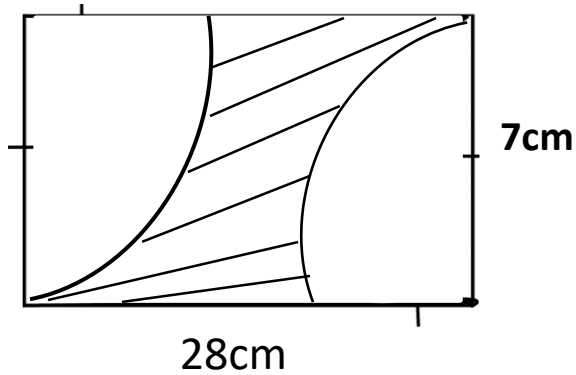If she was given a change of shs 3800, find the total amount of money she went with.

(05 marks)

24. (a) Find the solution set for the inequality

2(n+3) ≤ 4n-4

(**04 marks)**

(b) Solve $\dfrac{5v}{3}$-3= v+1

25. Find the area of the shaded part (Take = $\frac{22}{7}$)   **(05marks)**

7cm

28cm

26. A motorist started a journey at 1245 hours. Express this time in 12 hour clock system.   **(2marks)**
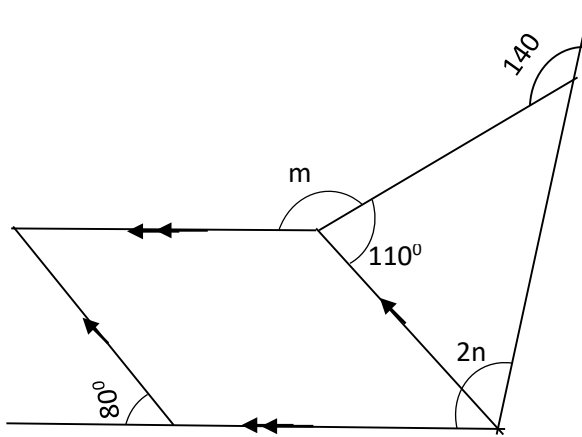
(b)A boda boda ridder travelled from Luwero to Mukono to Jinja at a speed of 50km per hour for 3 hours. He returned at speed of 60km/h. Calculate the average speed for the whole journey   **(3marks)**

27. Study the diagram below and use it to answer questions that follows

a) Find the value of m in degrees.

(02 marks)

b) Find the value of n in degrees.

(3 marks)

28. The mean of 13, 7 X+4, X and X-6 is 9.

    (a)   Find the value of X

(02marks)

    (b)   Workout the median of the numbers

(02 marks)

29. A drum was $2/3$ full of water, When $1/6$ of thewater in the drum was drawn, 81 litres remained. Find the capacity of the drum.

(03arks)

30. (a) Find t he place value of 6 in the number 731694

(01Marks)

(b) Find t he quotient of the place value of 1 and the place value of 9 in the number above in (a)

(02 marks)

(c) Find the product of the value of 6 and the place value of 4

(02 marks)

31.(a) How much principal will amount to shs. 138,000 at a rate of 5% per year for 3 years.

(03 marks)

(b) Find the simple interest after 3 years

(01ark)

(a) Using a pair of compasses, a ruler and a pencil only construct a parallelogram PLES such that angle PLE = 105^0 line LE = 7.8cm and Line ES = 4cm.   **(04 Marks)**

(b)Drop a perpendicular line from E to meet PL at N. Measure EN

(01Mark)

END