UGANDA NATIONAL PRIVATE SCHOOLS EXAMINATIONS

PRE - MOCK SET II 2024

PRIMARY SEVEN

MATHEMATICS

Time allowed 2hrs 30 minutes

INDEX No. | | | | | | | | | |

Name: _____ Stream: _____

School: _____

District Name: _____

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

Read the following instructions carefully:

1. This paper is made up of two Sections A and B.
2. Section A has 20 questions (40mks)
3. Section B has 12 questions (60 marks)
4. Answer ALL questions. All answers for both sections A and B must be written in the spaces provided.
5. All answers must be written using blue or black ball point pen or ink. Diagrams should be drawn using a pencil.
6. Unnecessary alteration of work may 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 Examiners' use.

FOR EXAMINERS' USE ONLY

QN. No.	MARKS	SIGN
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 23		
24 - 26		
27 - 29		
30 - 32		

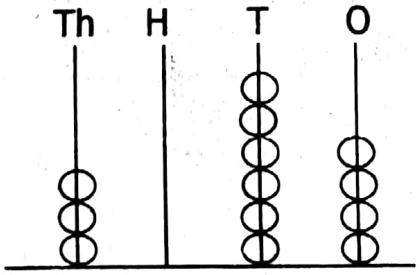
SECTION A (40Mks)

1. Subtract:
$$\begin{array}{r} 36 \\ -\ 12 \\ \hline \\ \hline \end{array}$$

2. Simplify:
$$\frac{1}{3} + \frac{1}{2}$$

3. Workout: $^{+}4 - {}^{+}9$

4. Write the number shown on the abacus below.



5. Write 00 35hrs in 12 hours clock.

6. Find the next number in the sequence:

16, 8, 4, 2, 1, ____

7. Write in figures: "Eight hundred nine thosand six hundred forty seven goats".

8. Kayembe deposited shs. 28000 on her account at the rate of 10% for 3 years. Calculate Kayembe's simple interest.

9. The loss on a radio sold at shs. 55000 was shs. 8000. What was the buying price of the Radio?

10. Convert 21_{five} to decimal base.

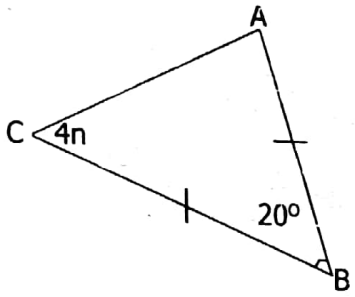
11. The Min busis in the m^{th} position from either side of the line. If there 23 vehicles, what is the position of minibus?

12. Express 0.125 as a common fraction.

13. The probability that the head teacher will go to school is 7/8. What is the probability that the head teacher will not go to school?

14. Round off 19.983 to nearest tenths.

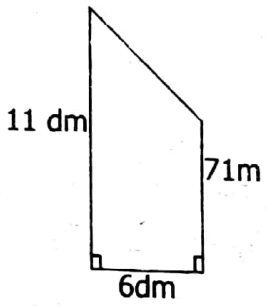
15. Study the diagram below and find the value of n.



16. Remove the brackets 3(k-1)-4(k-3)

17. Find modal frequence of the daily temperature in degrees centigrade.
20^0C, 18^0C, 32^0C, 20^0C, 32^0C, 20^0, 36^0

18. Calculate the area of the trapezuim below.



19. Kalula weighs 4y kg and Kaweke weighs 5kg.If their total weight is 81kg. Find Kalula's total weight.

20. Using a ruler, a pencil and a protractor, Construct angle 150°

b) How many 60cm pieces of string can be cut from a string of 7.8m long? (2 mks)

SECTION B (60 marks)

21. The average weight of 5 girls is 7.2kg. When a sixth girl joins the average becames 8.5kg. Find the weight of the sixth girl.

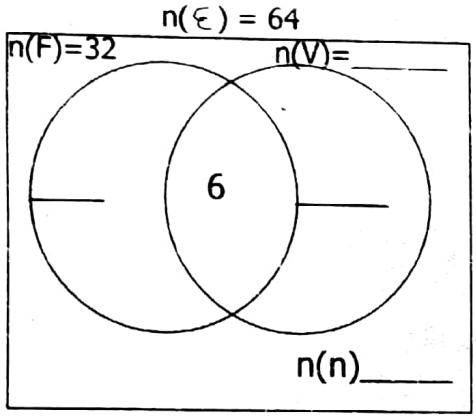
(3mks)

22. There are 20% more men than women in a train. If there are 180men, how many people are in the train?

(4 mks)

23. In a club of 64 players, 32 players enjoy Football (F) K players enjoy volleyball (V). 6 players enjoy both Football and volley ball while 4 enjoy neither of the two games.

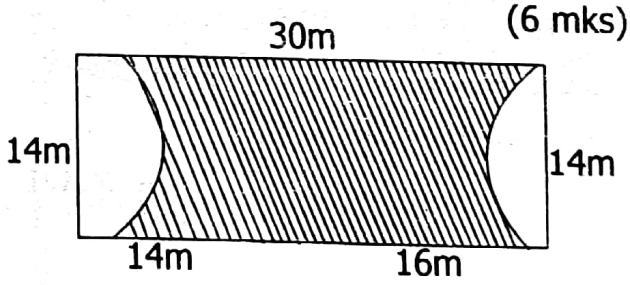
a) Use the above information to complete the venn diagram below. (3mks)



b) Find the value of K. (2 mks)

c) What is the probability that a member selected randomly from the club likes only one type of game? (1 mrk)

24.a) Find the distance around the shaded part of the given Rectangular flower garden (6 mks)



25. The table below shows Bukoko's shopping bill. Study it carefully and answer the questions that follow.

(1 mk each)

ITEM	QUANTITY	UNITCOST	AMOUNT
Sugar	3kg	Shs. 2000	shs.6000
Salt	500gm	shs. 3600@kg	shs. ____
Rice	_____	Shs. 2500@kg	shs.10000
Soap	2 bars	shs. _____	shs.7000
Tea leaves	__packets	shs.1500 a packet	shs.4500
Total expenditure			shs._____

(5 mks)

26. If y=4, t=6, W=3

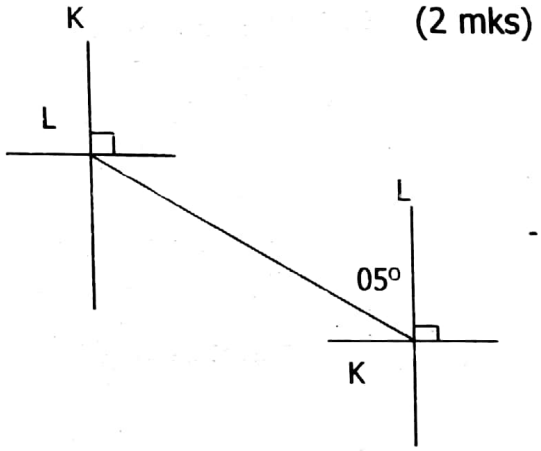
a) Find the value of; (2 mks)

$$\frac{y \times t}{w}$$

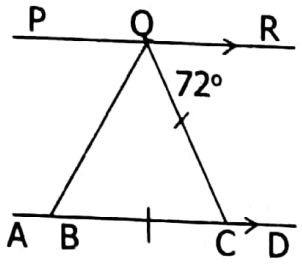
b) Solve the equation. (3 mks)

4y-6=y +9

27. Use the figure below to find the bearing of town K from L. (2 mks)



b) In the diagram below, PR is parallel to AD and angle RQC=72°



i) Find the size of angle CQB

(2 mks)

ii) Find the size of angle BQP

(2 mks)

28.a) Given $24_k = 22_{six}$. Find the missing base K. (3 mks)

b) If today is Thursday. What day of the week will it be after 24 days from now?

(2 mks)

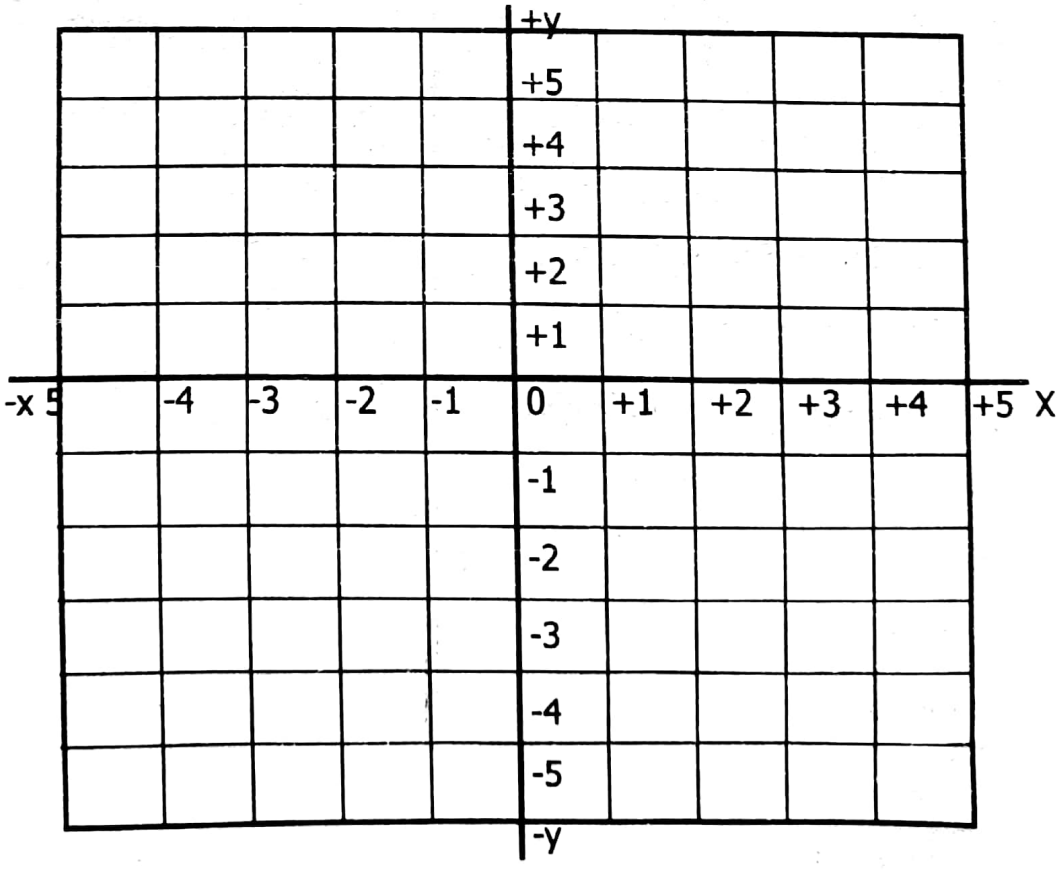
29. Simplfy: $\frac{3.6 \times 0.008}{0.16 \times 0.9}$ (2 mks)

b) $\frac{1}{2}$ of $\frac{2}{3}$ $(\frac{1}{4} + \frac{1}{3})$ (3mks)

30. The table below shows the magic square. Study it carefully and complete it. (4 mks)

1	15	14	a
12	6	e	9
8	x	11	5
13	3	m	16

31. On the grind below, plot thepoints, P(-3,0), Q(0, -2), R (3,0) andS(0,2)



b) Join the points P to Q, Q to R, R to S, and S to P. (4 mks)

c) Name the polygon formed by joining the points. (1 mk)

32. Lunah drove from Kampala Mubende 4 hours at the average speed of 60km/hr. He left Mubende at 3:00 pm and drove back to Kampala for 5 hrs at a steady speed of 80km/hr after resting for an hour.

a) At what time did Lunah reach Kampala? (1 mrk)

b) Calculate Lunah's average speed for the whole journey. (4 mks)

~~ Good Luck ~~