

KOLFRAM EDUCATIONAL SERVICES KAMPALA



PRE REGISTRATION SET I EXAMINATIONS 2024

PRIMARY SEVEN

MATHEMATICS

Time allowed: 2 hours 30 minutes

Index Number:

EMIS Number						Personal Number		

Candidate's Name:

Candidate's Signature:

School Name:

District Name:

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

Read and follow these instructions carefully:

1. This paper has **two** sections: **A** and **B**. Section **A** has **20** questions and section **B** has **12** questions. The paper has **10** printed pages.
2. Answer **all** questions. **All** answers to both sections A and B must be shown in the spaces provided.
3. All answers **must** be written using a **blue** or **black** ball point pen or ink. Any answer written in pencils other than on graphs and diagrams will **not** be marked.
4. No calculators or **electronic** pens are allowed in the examination room.
5. Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss of marks**.
6. Do not fill anything in the table indicated: "**FOR EXAMINERS' USE ONLY**" and boxes inside the question paper.

FOR EXAMINER'S USE ONLY

QN. NO.	MARKS	EX'ER'S INITIAL
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 23		
24 - 26		
27 - 29		
30 - 32		
TOTAL		

Turn Over

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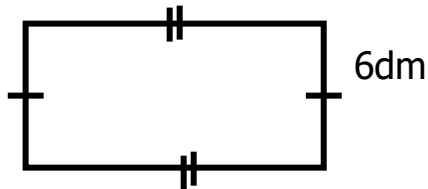
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SECTION: A (40marks)

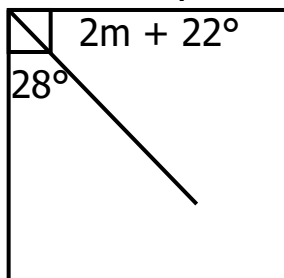
1. Workout: $86 - 75$
2. What is the product of the place value of 2 and the value of 4 in 2374?
3. Given that set $K = \{\text{all English vowel letters}\}$, Find the number of proper subsets in set K.
4. Prime factorise 36 and give your answer in power form.
5. Express $\frac{3}{4}$ as a percentage.
6. 10 pencils cost sh. 7000, how much will 4 similar pencils cost?

7. Gilbert had 40 Km to cover after travelling $\frac{3}{5}$ of the journey. How long was the journey?

8. The perimeter of a rectangle below is 42dm. if its width is 6dm. Find its length.



9. In the figure below, workout the value of m in degrees.



10. Write in short form. $(7 \times 10000) + (7 \times 10) + (0 \times 100) + (7 \times \frac{1}{10})$

11. Increase sh. 2000 in the ratio of 5:4.

12. A forty minute lesson ended at 9:50 a.m. At what time did it start?

13. Find the value of $3p + 6q$ if $p=4$ and $q=7$


14. In the space below, construct an angle of 60° using a ruler, a sharp pencil and a pair of compasses.

15. Makwasi scored the following points while he was playing Dats:
70, 25, 40, 35, 50 and 60 respectively. Find Makwasi's median score.

16. A cyclist moving at 60km/hr covered a certain distance in just $2\frac{1}{2}$ hours.
Find the distance he covered.

17. Express 2 dozen of pens as a ratio of 18 pens.

18. $\frac{2}{3}$ of a number is 99. What is the number?

19. Given that  represents 2 dozen cups. Draw pictures to represent a gross of cups.

20. Find the missing numbers in the sequence below.
18, 27, 9, 3, _____, _____

SECTION B (60 marks)

21(a) Solve for P in the equation below. **(2marks)**

$$\frac{2}{5}p + 4 = 8$$

(b) Kissa is 3times as old as Kityo. If the different between their age is 40years. How old is each of them now? **(3marks)**

22(a) What is the biggest number that can be formed using digits:
2, 6, 3, 9 and 4? **(1mark)**

(b) What is the place value of the underlined digit?
834.65 **(1mark)**

(c) Round off 28.57 to the nearest tens. **(2marks)**

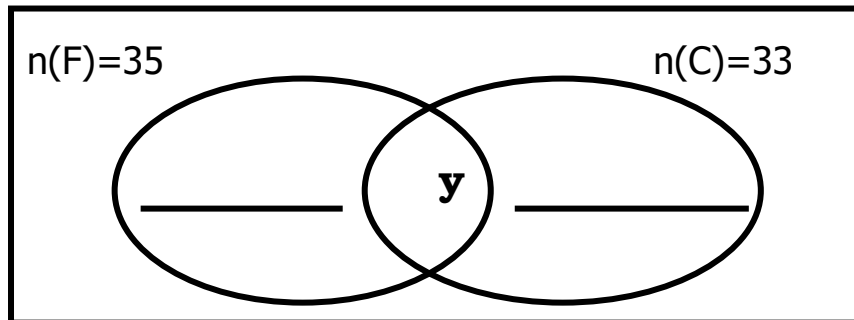
23 (a) Workout $\frac{4.8 \times 0.6}{1.6 \times 0.2}$ **(3marks)**

(b) Simplify: $\frac{1}{2} \times \frac{2}{3} \div \frac{3}{4}$ **(2marks)**

24. In a club of 60 members, 35 eat fish (F) ,33 eat cassava (C) and y eat both Fish and Cassava while 5 eat neither of the dishes.

(a) Complete the Venn diagram below.

$$n(\Sigma) = 60$$



(2marks)

(b) Find the value of y

(2marks)

(c) What is the probability of picking at random a member who does not eat fish?

(2marks)

25. Using a sharp pencil, a ruler and a pair of compasses only, construct a square of side 5cm.

(4marks)

26. Three teachers male, Matte and Matata shared 1200 exercise books in the ratio of 2:5:3 respectively.

(a) How many books did each get? **(3marks)**

(b) Express Matte's share as a percentage of the total. **(2marks)**

27. Nalugwa went shopping and bought the following items.

2kg of sugar at sh. 3800 per kg.

1 $\frac{1}{2}$ kgs of meat at sh. 10,000@

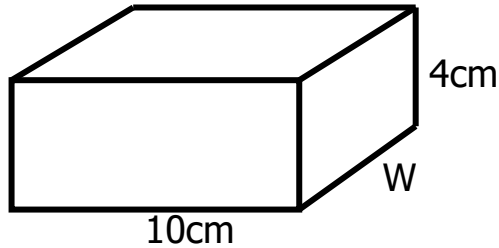
3litres of milk at sh. 7500

2 loaves of bread at sh. 4500 each.

(a) Calculate her total expenditure. **(4marks)**

(b) If aunt Namatovu gave her sh. 50,000, how much did she take home as change? **(2marks)**

28. Study the figure below and answer the questions that follow. The volume of the cuboid is 240cm^3 .



- (a) Find the value of W . **(2marks)**

- (b) Calculate the total surface area (T.S.A) of the above figure. **(3marks)**

29. A gateway bus left Kampala for Bushenyi at 6: 45 a.m. and reached Bushenyi at 10:30 a.m. travelling at a speed of 60kph.

- (a) How long does the bus take to travel from Kampala to Bushenyi? **(2marks)**

- (b) Calculate the total distance covered from Kampala to Bushenyi. **(3marks)**

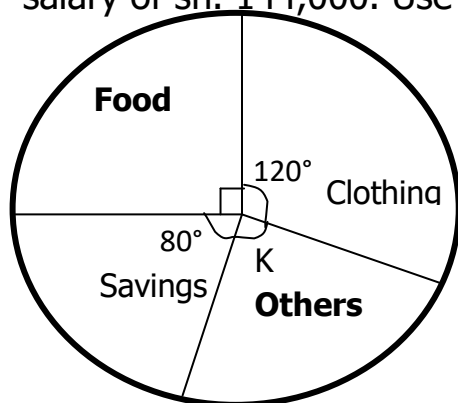
31. Workout the following using distributive property.

- (a) $(75 \times 10) + (25 \times 10)$ **(2marks)**

(b) $(285 \div 3) - (45 \div 3)$

(2marks)

32. The circle graph below shows how Mama Sam spends her monthly salary of sh. 144,000. Use it to answer the questions that follow.



(a) Find the value of K. **(2marks)**

(b) How much does she spend on clothing? **(2marks)**

(c) What fraction is spent on food? **(2marks)**

31. Kantinti scored the following marks in a series of Mathematics tests.
70, 60, 40, 60, 80 and 50

(a) Work out the range. **(1mark)**

(b) Find her modal frequency. **(1mark)**

(c) Calculate the average mark. **(3marks)**