KOLFRAM EDUCATIONAL SERVICES KAMPALA

END OF TERM II EXAMINATION 2024

PRIMARY FIVE

MATHEMATICS

Time allowed: **2** *hours* **30** *minutes*

THE KOLFRAM EXAMINATIONS BOARD

Index Number:

		Admission Number					Personal Number	

Candidate's Name: ....

Candidate's Signature: ....

School ID: ....

District ID: ....

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 **8** 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.
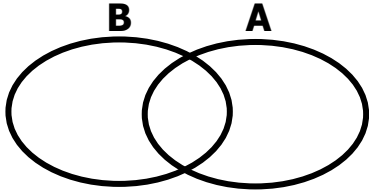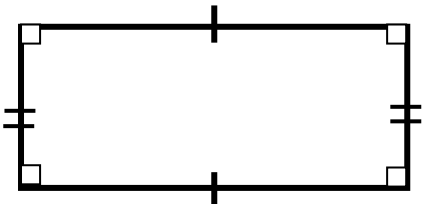
Turn Over
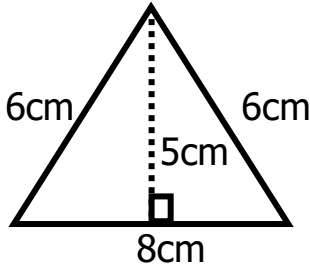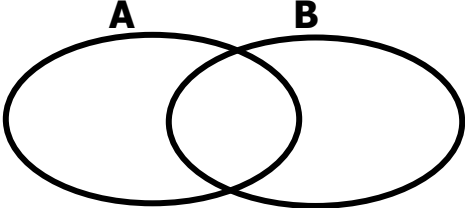
SECTION A: (40 MARKS)

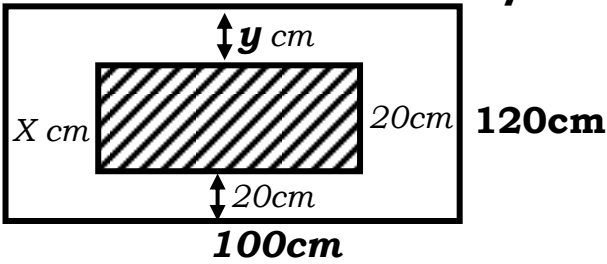|			
1.	Add: 909 + 91	2.	Write XXIX in Hindu Arabic numeral.
3.	Find the two missing numbers in the sequence below. 1, 4, 9, 16, ____, ____.	4.	Kato was facing East and he turned clockwise through an angle of 45^0. What direction is he facing now?
5.	Given that set A = {a, e, i , o, u} Find the number of members in **A**	6.	On the Venn diagram below, shade set **A only**
7.	List all the factors of 18.	8.	Simplify: $\frac{3}{5} - \frac{1}{3}$
9.	Kisitu bought a shirt at shs. 7000 and sold it at shs. 10000. Calculate his profit.	10	Find the average of 4, 6, 5, 3 and 2

11	Show and write down the lines of symmetry in the figure below.

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12	Mother is 3 times older than her son. If the son is 10 years old, how old is the mother?

13	Divide: 2 5 2 5 by 5	14	A lesson started at 8:00am and ended at 10:30am. How long did it last?

15	What number has been expanded to give 7000 + 30 + 4?	16	How many ½ litre cups of water will fill a 10 litre jerry can?

17	In the space provided below, use a pair of compasses, a pencil and a ruler to construct an angle of 90^0.

18	Convert 3 ½ hours to minutes.	19	Find the supplement of 46^0

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20	**Calculate the perimeter of the figure below.**

6cm   6cm
5cm
8cm

	SECTION B: (60 MARKS)

21	A packet contains 12 pencils, a shop keeper sold $\frac{2}{3}$ of them.

a)	How many pencils did he sell? **(2 marks)**	b)	Add: 6.05 + 16.5 **(2 marks)**

c)	Add: 6.05 + 16.5 **(2 marks)**

22	*Given the three digits 7, 3 and 2.*

a)	Form the smallest three digit number. **(1 mark)**	b)	Form the largest three digit number. **(1 mark)**

c)	What is the sum of the smallest and largest numbers formed? **(2 marks)**

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23 a)	Given that set **A** = {1, 3, 5, 7, 9, 11} and set **B** = {2, 3, 5, 7, 11, 13}. Represent the above sets on the venn diagram below. **(2 marks)** **A** **B** 		
b)	Find (i) **D∩C** **(1 mark)**	c)	(**D − C**) **(1 mark)**

24	Atino Mercy scored the following marks in the mid-term exams. 90, 50, 90, 80, 40		
a)	What is the median mark? **(1 mark)**	c)	Find the range. **(1 mark)**
b)	Find the modal mark. **(1 mark)**	d)	Work out the mean mark. **(2 marks)**

25	Solve the equations. **(2 marks each)**		
a)	$x \div 8 = 20$	b)	$7x = 210$
c)	$k - 6 = 24$	d)	$m + 4 = 18$

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26	**Use a ruler, a pencil and a pair of compasses only to construct a regular hexagon in a circle of radius 4cm.** **(4 marks)**

27	Babra went shopping and bought the following items. 2 kg of meat at shs. 8000 per kg. A tin of blue band at sh. 3000. ½ kg of wheat at shs. 4000 per kg. 3 bars of soap at sh. 2000 per bar.
a)	Calculate her total expenditure? **(3 marks)**

b)	How much did Lillian pay for 10 tins of blue band at the same price? **(1 mark)**	c)	If she went with shs. 30000, what was her change? **(1 mark)**

28	**Work out correctly:**		
a)	Add: **Weeks Days** (**2 marks**) 3 4 + 5 5	b)	Subtract: **Hrs Min** (**2 marks**) 5 3 0 - 2 4 0

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29 a)	Find the G.C.F of 6 and 8.(**2 marks**)	b)	Find the LCM of 12 and 16. **(2 marks)**

c)	What is the square of 9? **(1 mark)**

30	**Mary bought a table cloth measuring 60 cm by 80 cm. She laid it onto a table whose area is 100cm by 120cm.**

a)	Find the value of **x** in cm. **(1 mark)**	b)	Find the value of **y** in cm. **(1 mark)**

c)	Find the area of the table. **(1 mark)**	d)	Find the area of the cloth. **(2 marks)**

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31	Pride primary school admitted 210 learners of which 120 were males.		
a)	How many new learners were females? **(1 mark)**	b)	If 50% of the male learners were admitted to upper, how many were they? **(2 marks)**

c)	Find the current enrolment of the school if they had 525 learners before the admission. **(2 marks)**

32	**Study the graph below and use it to answer the questions that follow.**

Prices of apples sold (y-axis) / Number of apples sold (x-axis)

a)	According to the graph, how much is an apple? **(1 mark)**

b)	How many apples can Ritah get for Sh. 1,000? **(2 marks)**	c)	If 2 apples cost Sh. 400, how much will Musana pay for 20 apples? **(2 marks)**

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