KAMPALA PREPARATORY SCHOOL

P.6 MID TERM ONE EXAMINATION 2025
MATHEMATICS

DURATION : 2HRS 30MINS

NAME: _____ STREAM:...............

DISTRICT:...............................

DATE: ....

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

READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. The paper has two sections: A and B.

2. Section A, has 20 questions (40 marks)

3. Section B has 12 questions. (60 marks)

4. Attempt ALL questions

5. All answers should be written using a blue or black – point pen or ink.

6. Diagrams should be drawn in pencil.

7. Unnecessary alterations of work may lead to loss of marks

8. Any hand writing that cannot easily be read may lead to loss of marks.

9. All calculations should be shown

FOR OFFICIAL USE ONLY			
SECTION	A	B	TOTAL
MARKS			
COMMENT			

SECTION A (40 Marks)

1	Add: 23 + 14
2	Write 2,036 in words.
3	Simplify: 3a + 4b − 2a + b
4	If K = {all the vowels letters}, find n(K).
5	Round off 8791 to the nearest hundreds
6	Write 45 in Roman numerals.
7	Express 14_{five} as decimal base.
8	Find the next two numbers in the series: 1 , 3 , 5 , 7 , _____, _____

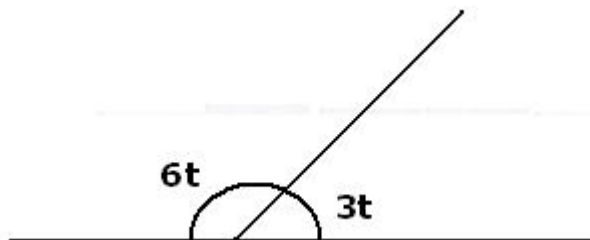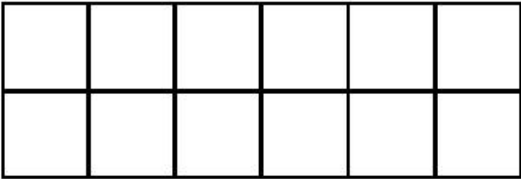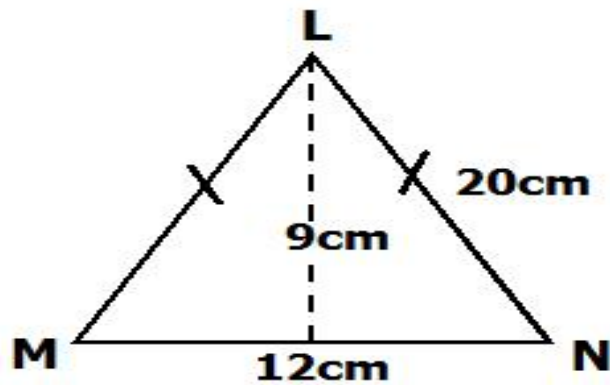| 9	If ⬭ representing 5 apples, how many apples are represented by: ⬭ ⬭ ⬭ ⬭ ⬭
10	Write the place value of 3 in the number 12 . 8**3**5
11	What number has been expanded to give: (5 x 1000) + (7 x 10) + (4 x 1)?

12	Work out: **Hours** **minutes**
	              5 40
	         - 2 50

13	Find the value of t in the figure below. 6t 3t
14	What integer is 5 steps on the left of $^+2$?

15	The cost of 3 pens is sh. 2,100. Find the cost of 6 similar pens.

16	Subtract: $\frac{3}{4} - \frac{2}{3}$

17	Jovana had a five-litre jerrycan full of milk. If he sold all the milk using half litre cups, how many such cups did she sell?

18	Shade $\frac{2}{3}$ of the diagram below.

19	Using a protractor, a pencil and a ruler, only, draw an angle of 50° in the space provided below.

20	I think of a number, add 8 to it the result is 18. What is the number?

21	Given digits: 2, 0, 7 and 4.
	(a) Form the smallest number using all the digits. **(1 mark)**
	(b) Expand the number formed above using values. **(2 marks)**
	(c) Round off the number formed in (a) above to the nearest hundreds. **(2 marks)**
22	Keza went to the supermarket and bought:
	3 bars of soap at Sh. 3200 per bar
	2 ½ Kg of sugar at Sh. 4000 per Kg.
	4 loaves of bread at Sh. 12,000.
	(a) How much money did Keza spend altogether? **(4 marks)**
	(b) If she remained with Sh. 3,400 after paying for all the above items, how much money had she before? **(2 marks)**

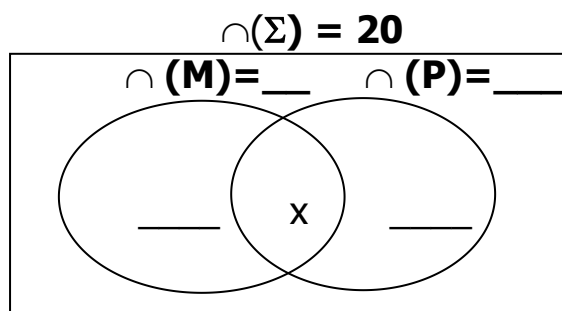| 23	Study the figure below carefully.

(a)   Work out the area of the figure above.   **(2 marks)**

(b)   Calculate its perimeter.   **(2 marks)**

24	In a group of 20 pupils, 16 like Matooke (M), 15 like potatoes (P), **x** like both foods.
	      (a) Represent the information on the Venn diagram below.
	                    (2 marks)

$\cap(\Sigma) = 20$

$\cap$ (M)=___ $\cap$ (P)=___

(b) How many pupils like both food stuffs?   **(3 mks)**

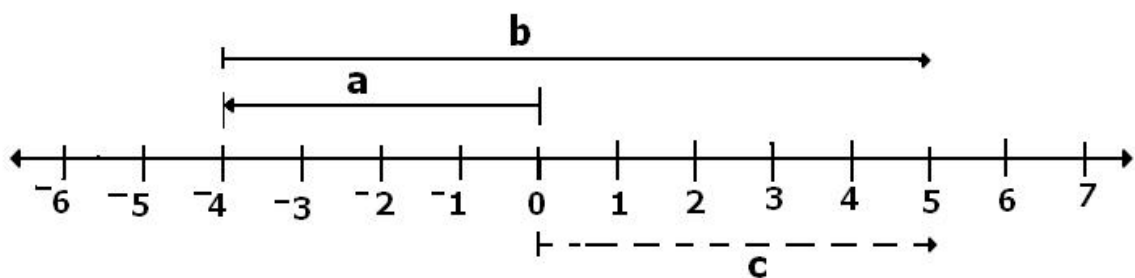|	
25	Using a ruler and a pair of compasses only, construct a rectangle **PQRS** in which PQ =7cm and QR = 4cm. **(4 marks)**
	Measure diagonal PR in cm _____ **(1 mark)**
26	(a)Find the sum of 4,921 books and 6,471 books **(2 marks)**
	(b) Subtract: 3,921 Kg – 1,261 Kg. **(2 marks)**
	(c) A bus carries 80 passengers per trip, how many passengers will it carry if it makes 5 trips? **(2 marks)**

27	Joan scored the following marks from different Mathematics tests: 40, 30, 60, 80, 40, 50. (a)Find the difference between the highest and lowest mark. **(2 marks)** (b) What was the commonest mark scored? **(1 mark)** (c) Calculate the average mark. **(2 marks)**
28	Given a number line below, use it to answer questions that follow. (a) Give the values represented by: **(1 mark each)** (i) a: _____ (ii) b: _____ (iii) c: _____ (b) Write the mathematical statement represented on the number line above. **(1 mark)**

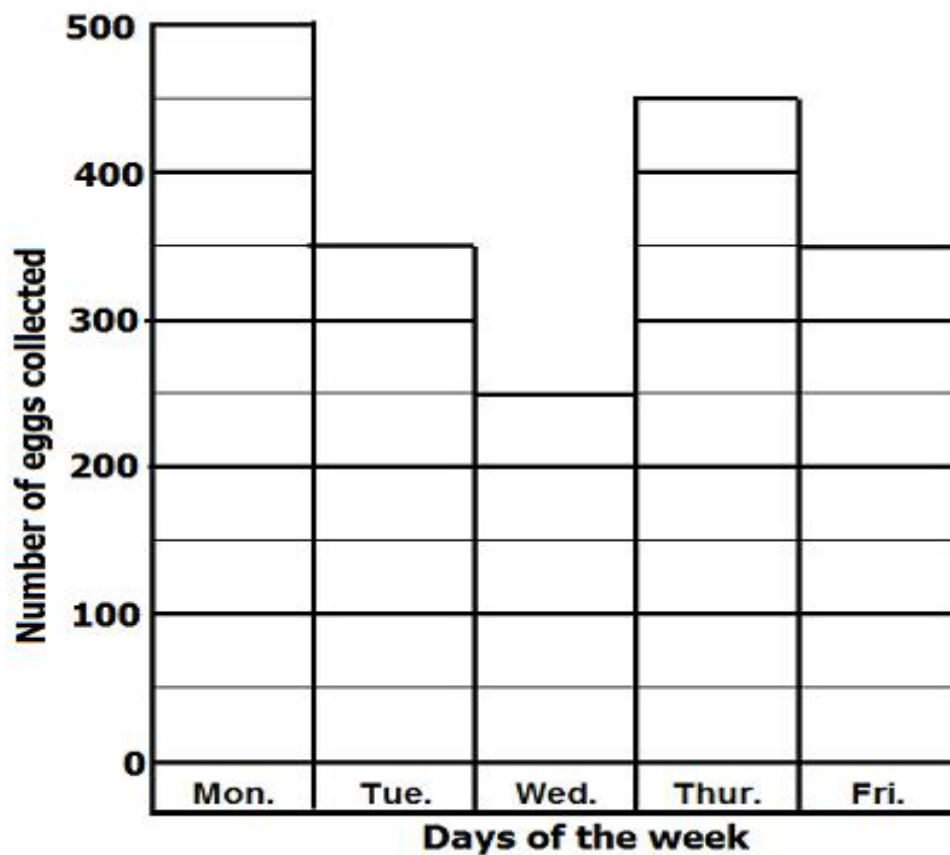| 29	In a class of 120 pupils, $^3/_5$ of them are girls and the rest are boys.
	(a) How many girls are in the class? **(2 marks)**
	(b) How many more girls than boys are there? **(3 marks)**

30	The figure below is representing the magic square. Study it and find the value of the unknown letters. **(5 mks)**

8	3	x
p	5	9
t	n	2

31	(a) A foot ball match started at 4:00 pm and ended at 5:00 pm. For how long did it take? **(2mks)**
	(b) A bus travelled at an average speed of 120km/hr for 3hrs. What distance did it cover? **(3mks)**

32 The bar graph below shows the number of eggs collected on Mr. Abraham's Poultry Farm in a certain week. Use it to answer the questions that follow.

(a) On which day was the least number of eggs collected? **(1 mark)**

(b) Which days had the same number of eggs collected? **(2 marks)**

(c) Find the average number of eggs collected that week. **(2 marks)**