KAGADI DISTRICT PRIVATE SCHOOLS' ASSOCIATION

PRIMARY SEVEN CONTINUOUS ASSESSMENT MOCK 2024

MATHEMATICS

Time allowed 2 hours 30 minutes

RANDOM NO.						PERSONAL NO.		

CANDIDATE'S NAME: .....

SCHOOL NAME.....

CANDIDATE'S SIGNATURE: .....

Read the following instructions carefully:

1. The paper has **two** Sections: **A** and **B.**

2. Answer **all** questions. **All** answers to both section **A** and **B** must be written in the Space provided.

3. **All** answers must be written using a blue Or black ball-point pen or ink.

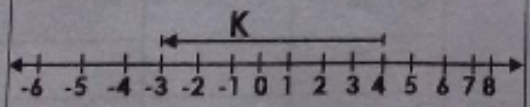
4. Unnecessary changes of work may lead To loss of marks.

5. Any handwriting that cannot easily be Read may lead to loss of marks.

6. Do not fill anything in the boxes shown: **"For Examiners' Use Only"** and those Inside the question paper.

FOR EXAMINERS' USE ONLY		
Qn. No.	Marks	Examiner's No.
1 – 5		
6 – 10		
11 – 15		
16 – 20		
21 – 22		
23 – 24		
25 – 26		
27 – 28		
29 – 30		
31 – 32		
Total		

SECTION A (40 MARKS)

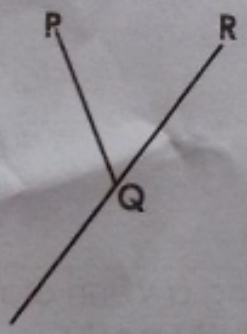
1.	**Work out:** 24 + 5	2.	Find the value of **4** in **3496.**
3.	Peter obtained **24** marks in End of term one exams. Express Peter's marks in tally form.	4.	Set P has **31** proper subsets. Find n(P)
5.	**Solve for M;** 3 – 2m = 1	6.	**Simplify:** $\frac{1}{2} + \frac{1}{3}$
7.	Name the integer shown on the number line below.  	8.	Write the number that has been written in standard form in words. **4.367×10^2**

9.	Peter is **4** years older than Sarah. If Peter is **20** years old, how old is Sarah?	10.	A bus carried **3500** people in Seven trips. How many people were carried in each trip?
11.	Using a ruler, a pencil and a pair of compasses only, construct an angle of **75°**.	12.	The water metre at Tom's house was reading 0349 units at the beginning of the month and at the end of the month 03547 units. If each unit costs sh. 250, how much did Tom spend on water that month?
13.	Round off **0.452** to one decimal place.	14.	Using a Venn diagram show that **n(AUB) = n(B)**
15.	Find the **LCM** of **8** and **6**.	16.	Change $4\frac{2}{3}$ into an improper fraction.

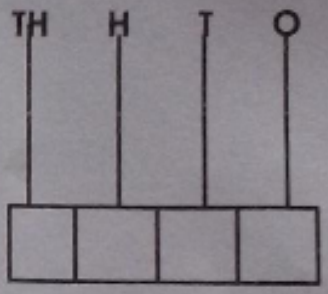
17. In a class of **45** pupils, **20** are boys and the rest are girls. If a pupil is picked at random, find the probability of picking a girl.

18. The cost of 4 books is **sh 3,200**. Find the cost of 3 similar books.

19. Using a ruler, a pencil and a pair of compasses only, bisect angle **PQR.**



20 Show **4307** on the abacus below.



SECTION B (60 MARKS)

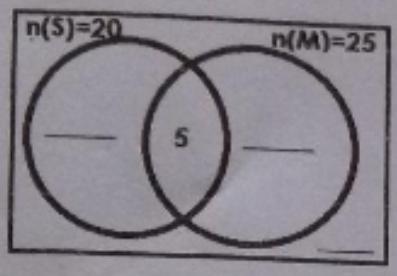
21 (a) **Simplify** $\frac{3}{4} - \frac{4}{5} + \frac{1}{2}$ **(3 marks**

(b) Work out $\frac{2.4 \times 0.09}{0.05 - 0.02}$ **(3marks)**

22. In a class of **45** pupils, **25** pupils like maths (M), 20 like Science (S), **X** do not like any of the two subjects while **5** of them like both subjects.

(a)Complete the Venn diagram below. **(3 marks)**

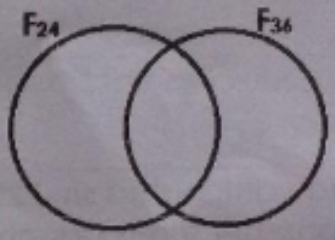
$n(\sum) = 45$



(b) How many pupils do not like any of the two subjects? **(2 marks)**

23. (a)**Prime factorise** 24 and 36. **(2 marks)**

(b) Show the prime factors of **24** and **36** on a Venn diagram below. **(2 marks)**



24 A man started his journey at **8:30am** and ended it at 11:00am moving at a speed of **80km/h.**

(a)How long did he spend for the whole journey? **(2 marks)**

(b)Find the distance he covered. **(2 marks)**

25 Given the numerals **4, 0** and **3**

(a)Form all possible **3** digit numerals that can be obtained from the above numerals. **(3 marks)**

(b) Write the biggest **3** digit numeral from the above numerals. **(2 marks)**

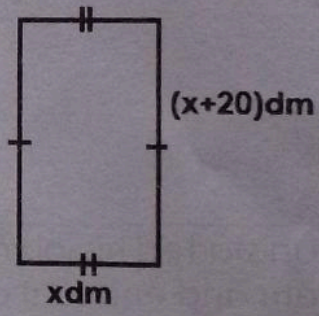
(c)Find the sum of the smallest and biggest **3** digit numerals. **(1mark)**

26 A lady distributed **sh. 720,000** among her three daughters, Sarah, Joy and Jane in a ratio of **5:3:4** respectively.

(a)How much did each get? **(2 marks)**

(b)How much more money did Sarah get than Joy? **(2 marks)**

27 The distance around the figure below is **240dm**.

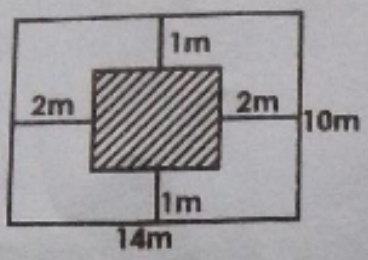


(a)Find the value of **X.** **(3 marks)**

(b) Work out its area. **(2 marks)**

28	A girl went for shopping and bought the following items. ❖ **4 books at sh 500 per book** ❖ **2kg of sugar at sh 2,000 per $^1/_2$kg** ❖ **4 apples at sh. 2,000** ❖ **2 dresses at sh. 1,500 each** (a)How much was her expenditure? **(4 marks)**		(b)If she remained with **sh. 1500** after shopping, how much did she have at first? **(2 marks)**
29	(a) Workout $^+3 + ^+4$ using a number line. **(2 marks)**		(b) Find the additive inverse of -4. **(2 marks)**
30	Using a ruler, a pencil, and a pair of compasses only, construct a triangle **WXY** in which **WX = 6cm, WXY = 45^0, YWX = 60^0.** **(5 marks)** (b)Measure **YX.** **(1 mark)**		

31. **The figure below shows a photo in a photo frame.** Study it carefully and answer the questions about it.



(a)Find the length and the width of the photo.

(i)length **(1 mark)**

(ii)Width **(1 mark)**

(b) Work out the area of the flame not covered by a photo. **(2 marks)**

32 **The table below shows the marks obtained by P.7 pupils in a certain test.**

Marks	70	45	80	90
No. of pupils	2	4	3	y

(a)If ten pupils did the test, find the value of y. **(2 marks)**

(b)Find the mean mark. **(2 mark)**

(c)Calculate the median work. **(2 marks)**

End