



**KAMPALA PRIMARY SCHOOLS HEADTEACHERS'  
EXAMINATIONS COMMITTEE (KAPSHA)  
PRIMARY SEVEN PRE-MOCK EXAMINATIONS 2024  
MATHEMATICS**

TIME ALLOWED: 2 HOURS 30 MINUTES.

Random No.						Personal No.			

**Candidate's Name:** \_\_\_\_\_

**School:** \_\_\_\_\_

**Division:** \_\_\_\_\_ **School No:**

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

***Read the following instructions carefully.***

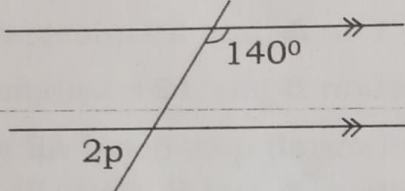
1. This paper is made up of two sections: **A** and **B**
2. Section **A** has **20** questions (**40** marks)  
Section **B** has **12** questions (**60** marks)
3. Answer **all** questions. **All** answers to both section **A** and **B** must be written in the spaces provided.
4. ALL answers **MUST** be written using a **Blue** or a **Black** - point pen of fountain pen.
5. Un-necessary changes of work may lead to loss of marks.
6. Any handwriting that cannot easily be read may lead to loss of marks.
7. Do **not** fill any thing in the boxes shown

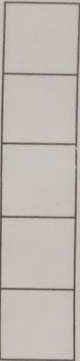
***"For Examiner's use only".***

**FOR EXAMINERS'  
USE ONLY**

QN. NO	MARKS	SIGN.
1 – 10		
11 – 20		
21 – 25		
26 – 30		
31 – 32		
<b>TOTAL</b>		

**SECTION A (40Marks)**

<p>1. <b>Add:</b>    1 4               + 5 2               ——               _____</p>	<p>2. Write <b>XLIX</b> in words.</p>
<p>3. Given that set <b>P</b> = {odd numbers less than 10} and set <b>Q</b> = {Prime numbers less than 10} Find <b>AnB</b></p>	<p>4. Write <b>34.396</b> in standard form.</p>
<p>5. <b>Simplify:</b> <math>7k - 3h + k + 6h</math></p>	<p>6. Find the value of <b>P</b> in degrees.</p> 
<p>7. Find the least number of oranges that can be shared among <b>12</b> or <b>18</b> P.7 pupils without leaving a remainder.</p>	<p>8. Round off <b>479.995</b> to the nearest hundredths.</p>

9. In the diagram below shade <b>80%</b>	10. <b>Simplify:</b> $8 - 10$
	
11. Find the next number in the sequence below. 24, 17, 11, 6, —, —	12. Change <b>36km/hr</b> to meters per second.
13. At Sarah's shop 4 pens cost <b>sh.4,800</b> . How many pens would one get if he has <b>sh.8,400</b> ?	
14. Using a pair of compasses, ruler and pencil only, construct an angle of <b>45°</b>	



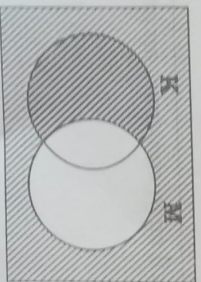
15. The average weight of 6 boys is 50kg. If two boys of total weight 120kg leave the group, find the total weight of the remaining boys.

16. **Work out:**  $2\frac{2}{3} + \frac{3}{4}$

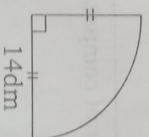
17. Solve for P in  $P + \frac{1}{2}P = 6$

18. A football match ended at 1:10pm after being played for 90minutes. Find the time at which the football match started.

19. Describe the unshaded part.



20. Work out the perimeter of the figure below.



# SECTION B (20 marks)

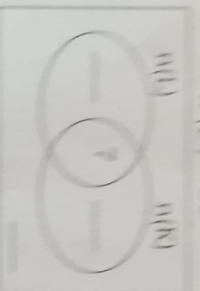
21. a) Express 400 to a decimal base. (2 marks)

b. If  $44_6 = 35_{10}$ , find the value of  $p$ . (2 marks)

22. In a class of 80 pupils, all of them speak English, 50 speak English and Igbo (I), 40 pupils speak English and Kwararafa (K), 7 pupils speak all the 3 languages while 3 pupils speak only English. (2 marks)

a) Represent the above information on Venn diagram below. (2 marks)

$$n(E) = 80$$



b. Find the number of pupils who speak English and Kwararafa only. (2 marks)

23. a. **Work out:**  $0.024 + 0.012$  (3 marks)

b. Express  $0.2424 \dots$  as a rational number in its simplest form. (2 marks)

(3 marks)

(2 marks)

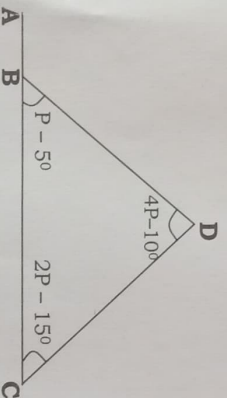
24. A motorist left town **A** at **8:00am** and reached town **B** at **10:00am** driving at a speed of **90km/hr**. Then he left for town **C** at a speed of **60km/hr** for **3hours**.

- a. How far is town **B** from town **A**?  
b. Calculate the average speed for the whole journey.

(3marks)

(2marks)

25. Study the triangle below and use it to answer questions that follow.



- a. Find the value of **P**.

- b. Find the angle marked **ABD**.

(3marks)

(2marks)

26. Mwiza bought the following items in the table below from Mr. Wasoma's shop in Katwe.

a. Complete the table.

(4marks)

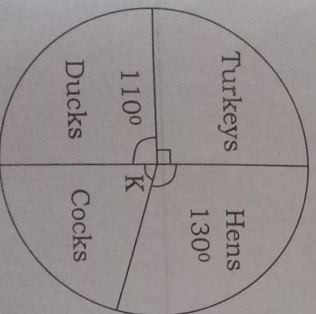
ITEM	UNIT PRICE	AMOUNT
3 bars of soap	sh. 4,000	sh. _____
2 loaves of bread	sh. _____	sh. 10,000
kg of salt	sh. 800	sh. _____
<b>TOTAL EXPENDITURE</b>		sh. 24,000

- b. If Mwiza paid **sh. 18,000** what percentage discount was she given?

(2marks)

27. The pie-chart below shows how birds are distributed on Mrs. Namuli's farm in Nkokonjeru Mukono District. Use it to answer questions that follow.

a. Find the value of **K**.



(2marks)

b. If there are **4** more ducks than Turkeys, Find the total number of birds on Namuli's farm.

(3marks)

28. Using a ruler, a pencil and a pair of compasses only, construct a rhombus ABCD where **AC = 8cm** and **BD = 6cm**.

(4marks)

b. Measure the length **AB**.

(4marks)



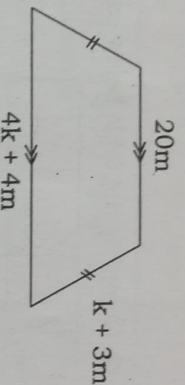
29. A tank is  $\frac{3}{4}$  full of water. When 20 litres are removed it becomes  $\frac{2}{3}$  full.  
How many litres does the tank hold when it is completely full?

(3marks)

- b. If 1 litre costs sh. 2,000, how much will the tank cost when it's completely full?

(2marks)

30. The shape below is a nursery bed of Mr. Wante. Study it and use it to answer questions that follow.



- a. If the perimeter of the nursery bed is 72meters, find the value of K.

- b. Workout the area of the nursery bed.

(2marks)

(3marks)

31. Two buses **K** and **M** leaves the bus park in intervals of **20** minutes and **30** minutes respectively.  
a. After how many minutes will the two buses leave at the same time?

(2marks)

- b. If they last leave the bus park at 9:45am. At what time will they leave together again?

(2marks)

32. Given that  $Y = X + 2$ . Complete the table below correctly.

(5marks)

<b>X</b>	-1	—	2	—	-4
<b>Y</b>	—	0	—	5	—

**“GOOD LUCK”**