RAPHA EXAMINATIONS BOARD

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PRIMARY SEVEN WEEKLY EXAMINATIONS 2024
(SET 13)

MATHEMATICS

Time allowed: 2 hours 30 minutes

INDEX NO.									

CANDIDATE'S NAME: .....

CANDIDATE'S SIGNATUTE: ..... DATE .....

SCHOOL'S EMIS NO: .....

DISTRICT NAME: .....

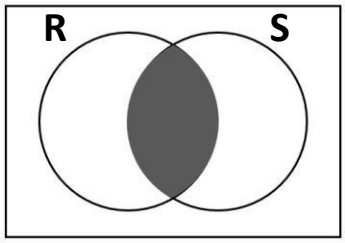
READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

1. This paper has two sections **A** and **B**
2. All the working in both sections **A** and **B** should be shown in the spaces provided
3. All working must be done using a blue or black ball point pen or fountain pen. Diagrams **MUST** be drawn in pencil
4. Unnecessary changes of work may lead to loss of marks
5. Any handwriting that cannot be easily read may lead to loss of marks
6. Do not fill in anything in area indicated for *examiners use only* and those inside the paper

For examiner's use only

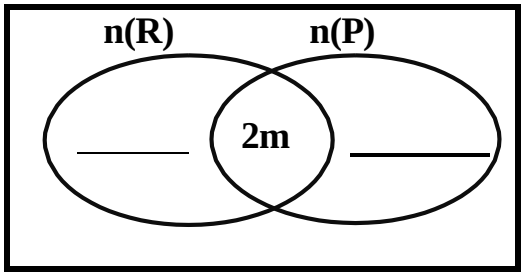
SECTION	MARKS
SECTION A	
SECTION B	
TOTAL	

SECTION A (40MKS)

1.	Work out: **48 × 2**	2.	Simplify: **5p - 3y - 2p + 8y**
3.	Describe the unshaded part in the venn diagram below.  	4.	Find the **next** two numbers in the sequence **1, 2, 4, 8,_____**
5.	The perimeter of a rectangle is **84cm**. if the length is **12cm**. find the width ofthe rectangle.	6.	Workout: **8 - 9 =_____finite 12**.
7.	Simplify: $7\frac{1}{2} \div 2\frac{3}{4}$	8.	The **L.C.M** of two numbers is **108** and their **G.C.D** is **18**. If one of the numbersis **54**, find the second number.

9.	Change **0.075km** to **metres.**	10.	Write **sixteen thousand, seventeen** in figures.
11.	Express **0.8181…** .....**as a common fraction** in its simplest form.	12.	Change **14 18hrs** to **12 hour** clock system.

13.	If **4x** and **x+80^{0}** are co-interior angles. Find the **value** of **x**.	14.	Change **130$_{five}$** to a decimal base.
15.	Solve: **7 - 3n = 22**	16.	Given that set **m** has **64 subsets**. Findthe number of elements in set **m**.

17.	The cost of **8 mangoes** is **sh.4800**. Find the cost of **14** mangoes.	18.	Simplify: $\bar{1}\bar{4} - \bar{8}$
19.	Work out: **(8 × 7) + (14 × 7)**	20.	Write **0.00785** in scientic notation.
	SECTION B (60MKS)		
21.	**In a class of 56 pupils, 32 like Rice(R), 28 like Posho (P), 2m pupils like both Rice and Posho while 6 pupils donot like any of the two types of food.** a) Complete the venn diagram below. **(3mks)**  		
	b) Find the **value** of **m**. **(2mks)**		

22.	Auma, Bosco and Charles shared a certain amount of money in the ratio of **2:7:5** respectively. If Bosco got **sh.25000** more than Charles. a) Find their **total share.** **(3mks)**
	b) Find how much Auma got. **(2mks)**
23.	a) Using a ruler, a pencil and a pair of a compass only. Construct a triangle **ABC** where line **AB = 7cm, <BAC = 75^0 and <ABC = 45^0** **(4mks)**

b) **Measure ACB** **(1mk)**

24. **The table below shows the marks scored by pupils in a Mathematical test. Use it to answer the questions that follow.**

Marks	**60**	**70**	**50**	**80**
Number of pupils	**3**	**2**	**p**	**1**

a) If the average mark was **60**. Find the **value** of **p**. **(3mks)**

b) How many **pupils did** the test**?** **(3mks)**

25. Kabuye went to the market and bought the following items.

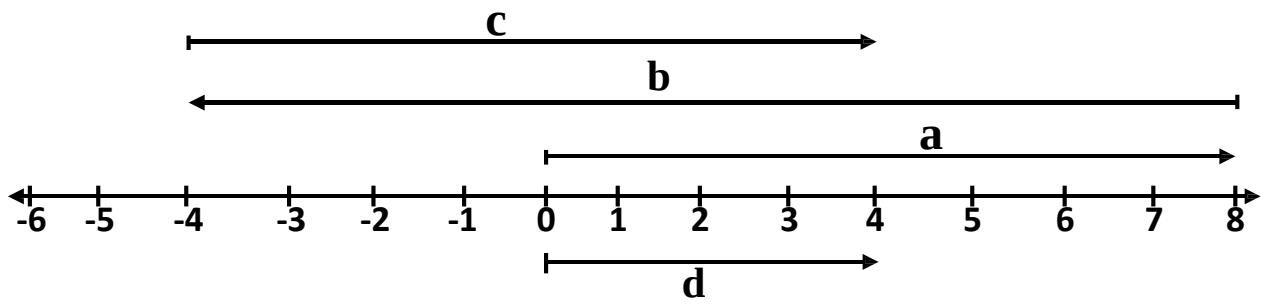
3kg of rice at sh.4400 per kg

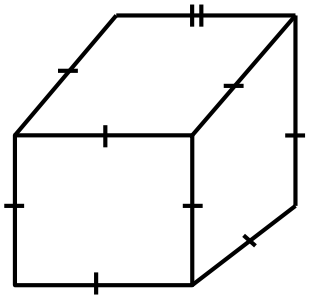
$1\frac{1}{2}$ kg of sugar at sh.3800 per kg

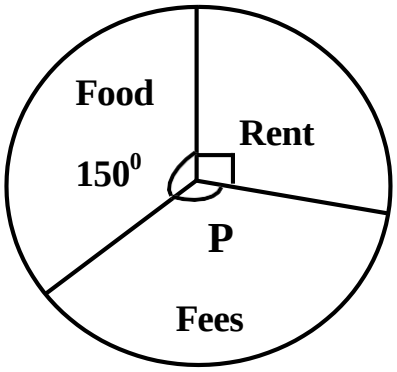
3loaves of bread for sh.14400

750gm of meat at sh.15000per kg

a) Find his total expenditure. **(4mks)**

	b) If he was given a discount of **10%** how much did he pay**?** **(2mks)**
26.	**In a school, the bells for lower and upper primary ring at intervals of 30mins and 50 minutes respectively. The bells ring for first time at 8:30Am**. a) At what time do the two bells ring together for the second time**?** **(4mks)**
	b) How many **times** does the bell for lower primary ring before they ring together from the second time. **(1mk)**
27.	**Study the number line below and use it to answer the questiomns that follow.**  **a)** Write the **integers** for the arrows shown. **(1mk each)** **a.** _____ **c.** _____ **b.** _____ **d.** _____

	b) Write the **mathematical statement** shown by the arrows on the number line. **(1mk)**	
28.	**The base area of the cube below is 64 00cm^3. Find its volume**. **(3mks)** 	
	b) Find the **capacity** of the cube when its $\frac{5}{8}$ full. **(3mks)**	
29.	a) Solve: **5(2m + 2) - 3(m - 4) = 36** **(3mks)**	b) Solve the inequality **(2mks)** **$4 \leq 2 - 2x \leq 10$**
30.	Musa drives **4hours** at an average speed of **30km/hr**. She then drives for **2hrs** at an average speed of **45km/hr**. What is the average speed for the whole journey**? (4mks)**	

31.	a) Work out $\mathbf{1011_{two} + 111_{two}}$ **(2mks)**		b) If $\mathbf{202p = 40_{five}}$. Find **p** **(3mks)**
32.	**The pie-chart below shows how Mr. Mutwalibi spends his monthly salary of sh.720,000. Use it two answer the questions that follow.**  a) Find the **value** of **p**. **(2mks)**		
	b) How much **more** money does he spend on **food than fees?** **(3mks)**		

END