# RAPHA EXAMINATIONS BOARD

## FIRST TERM HOLIDAY PACKAGE -2024

**PUPIL'S NAME:**.....

.....

**CLASS:** PRIMARY SEVEN

**SCHOOL:**.....

**DISTRICT:**.....

**CLASSTEACER'S NAME:**.....

**PARENT'S SIGNATURE:**.....

.....

**TEL: 0778710993 / 0740540111**

**EMAIL:raphaexaminationsboard@gmail.com**

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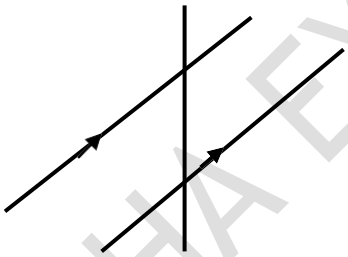
***MATHEMATICS***

***SECTION A (40 Marks)***

| | | | |
|---|---|---|---|
| 1 | Divide ***36*** by ***2***. (***02 marks***) | 2 | Given that (***02 marks***)<br>H={ ***2,3,5,7,8,9,10,11,12***} and ***G***={***2,3,5,7,11***}. Find n(H-G) |
| 3 | Write in figures ***two hundred thirty thousand four hundred eight***.<br>(***02 marks***) | 4 | Achudi is ***XXIV*** years old. Express Achudi's age in Hindu Arabic numerals. (***02 marks***) |



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| 5 | Find the size of angle marked with letter ***n*** in the diagram below. (***02 marks***)<br><br>**$125^0$**<br><br>**n** | 6 | Find the ***Greatest Common Factor*** of ***18*** and ***30***. (***02 marks***) |

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| 7 | Solve for **w**: ***3-w =7*** (***02 marks***) | 8 | Simplify: $\frac{8}{9} - \frac{2}{3}$ (***02 marks***) |
| 9 | A worker's salary of sh ***150,000*** was increased by ***20%*** this year. Find the worker's new salary. (***02 marks***) | 10 | Write ***249.7*** in expanded form using powers of ten. (***02 marks***) |
| 11 | ***Seven basins*** cost ***sh 28000***. Find the number of such basins a trader can buy with **sh 52000**. (***02 marks***) | 12 | Round off ***69.83*** to the nearest whole number. (***02 marks***) |
| 13 | Workout: 3-5_____(***finite 7***) (***02 marks***) | 14 | Ian finished his weekend homework on Sunday at ***4:05pm***. Express this time in ***24*** hour-clock. (***02 marks***) |

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| 15 | In a certain village, the ratio of males to female is ***3:5*** respectively. Find the number of males if there | 16 | What is the difference between the value of ***7*** in the number ***6704*** and the value of **5** in the number ***163.56***? |

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| | are ***70*** females. (***02 marks***) | | (***02 marks***) |
| 17 | In a certain factory, there are ***135*** workers altogether. If there are 60 female workers, find the probability of picking a male worker. (***02 marks***) | 18 | Workout using distributive property. $(\frac{1}{4} \times 64) - (\frac{1}{4} \times 28)$. (***02 marks***) PTO |
| 19 | Kiprop covered a journey at a speed of *18 km/hr* in ***45*** minutes. How long was the journey? (***02 marks***) | | |

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| 20 | Using a ruler, a sharp pencil and a protractor, draw an angle of $45^0$. (*02 marks*) |

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| | ***Section B (60 Marks)*** |
| 21 | A pupil obtained the following marks from the end of term one exams;<br>***48%  55%  60%  37%  52%  60%.***<br>(a) Find the median mark (***02 marks***)<br><br>(b) Workout the mean mark. (***03 marks***)<br><br>(c) Find the difference between the highest and the lowest marks. (***01 mark***) |

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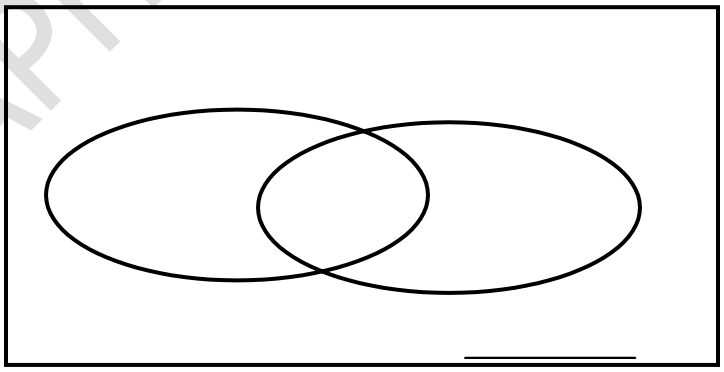
| 22 | In a group of ***45*** pupils, ***30*** speak ***Kiswahili (K)***, ***x-12***, speak ***Luganda (L)*** only, ***12*** speak both languages while ***2*** speak other languages.<br>(a) Complete the Venn diagram below. (***03 marks***)<br>***n(E)=45***<br>***n(K)=30*** ***n(L)=***<br>_____ ***12*** _____<br>(b) How may pupils speak Luganda? (***02 marks***) |



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| 23 | (a)Workout: $\frac{4.2+0.6}{0.4 \times 1.2}$ (***03 marks***)<br>**PTO**<br><br>(b) Change $\frac{3}{5}$ to percentage. (***02 marks***) |

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| 24 | With the help of a ruler, a sharp pencil and a pair of compasses only, construct a triangle RST where RS =7cm, ***ST=5.2cm*** and angle ***RST =90$^0$***. (***04 marks***)<br><br>–<br><br>Measure angle SRT. (***01 mark***) |

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| 25 | Study the rectangle below and use it to answer the questions that follow.<br>***3t-2dm***<br><br>***t+2dm***<br><br>***t+4dm***<br><br>(a) Find the value of ***t***. (***03 marks***)<br><br>(b) Calculate the area of rectangle. (***02 marks***) |

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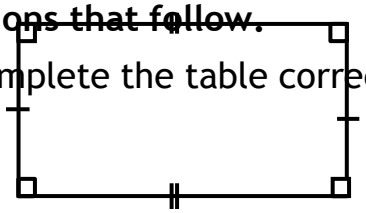
26 **Below is a shopping table for Nakandi. Study it carefully and answer the questions that follow.**



(a) Complete the table correctly. (***04 marks***)

(b) If Nakandi was allowed a discount of ***sh 1900***, how much money did she pay them? (***01 mark***)

| ***Item*** | ***Quantity*** | ***Unit cost*** | ***Amount*** |
|---|---|---|---|
| Sandals | 2pairs | 5000/= a pair | sh _____ |
| Sugar | $1\frac{1}{2}$kg | sh_____per kg | sh 6000 |
| Cooking oil | 500g | sh 6000 a litre | sh_____ |
| ***Total*** | | | sh_____ |

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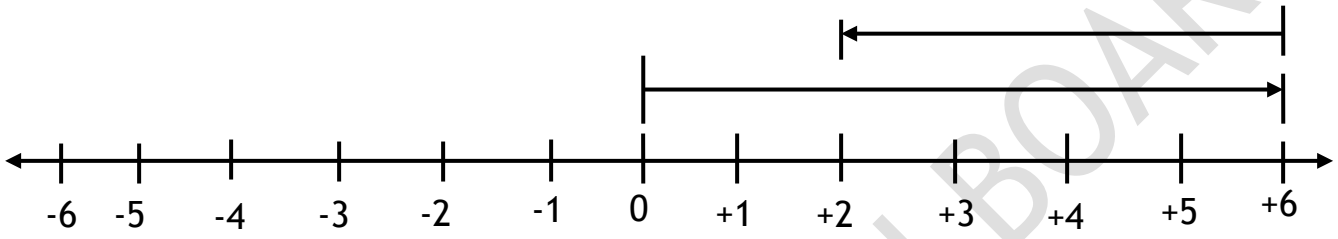
| | **P T O** |
| 27 | Study the number line below and write down the mathematical statement shown. (***02 marks***)<br>  <br><br>(b) A clock loses ***2*** seconds every after an hour. How many minutes does it lose after five days? (***03 marks***) |
| 28 | A parent divided ***sh 135000*** among her four children, ***Dada***, ***Dudu***, ***Dwong*** and ***Digi*** in the ratio ***1:2:3:4*** respectively. How much share did each get? (***05 marks***) |

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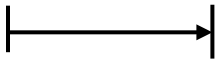
| 29 | (a) Solve: $42_t = 211_{three}$. (*03 marks*) |



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| | (b) Express $33_{five}$ in ***binary*** system. (***02 marks***) |
| 30 | (a) A drum had ***18*** litres of water. Water was then poured into small tins of ***300millitres*** each. Find the number of this tins got from the drum. (***03 marks***)<br><br>(b) Calculate the volume of the cylinder below ($\pi=\frac{22}{7}$). (***02 marks***)<br><br>**60cm**<br><br>**42cm** |

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| 31 | A bus left Kampala at a speed of ***80km/hr*** and reached Masaka after ***90 minutes***. Find the distance between Kampala and Masaka. (***02 marks***) |

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| | (b) Express ***72km/hr*** in ***m/sec***. (***02 marks***) |
| 32 | (a) Simplify: ***2(2f-4) -(f-3)*** (***02 marks***)<br><br>(b) A table costs ***sh 38,000*** more than a chair. The total cost of both the chair and the table is ***sh 108000***. Find the cost of the chair. (***03 marks***) |

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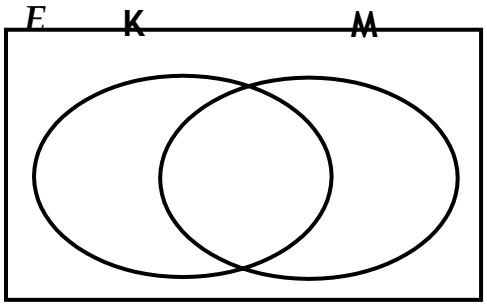
| ***SECTION A. (40 MARKS)*** | | | |
|---|---|---|---|
| 1 | Subtract: **12** from **100**. **(*02 marks*)** | 2 | Write ***84*** in Roman numerals. **(*02 marks*)** |
| 3 | Simplify: **2y – x + 4y – 7x** **(*02 marks*)** | 4 | Work out: $^{-}$**8 - $^{+}$6** **(*02 marks*)** |
| 5 | Add: $\frac{3}{7} + \frac{2}{5}$ **(*02 marks*)** | 6 | On the diagram below shade **(K ∩ M)$^{l}$** **(*02 marks*)**   |

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| 7 | Find the next two numbers in the sequence below:<br>**8, 12, 9, 13, 10,_____, _____**<br>**(*02 marks*)** | 8 | ***8 cups*** cost ***sh 2400***. Find the cost of ***5 similar cups***. **(*02 marks*)** |

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| 9 | *Divide: **20397 by 13***. **(*02 marks*)** | 10 | List down all the factor of ***27***. **(*02 marks*)** |
| 11 | Write ***6891*** in expanded form using values. **(*02 marks*)** | 12 | A die is tossed once, what is the probability that a number less **6** appears on top? **(*02 marks*)** |
| 13 | Find the number of subsets in set P, given that set **P** = { **0, 4, 6**} **(*02 marks*)** | 14 | Solve: **2y - 4 = 10**. **(*02 marks*)** |

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| 15 | Find the area of the shape below; **(*02 marks*)**<br>**16m**<br>**18m** **24m** | 16 | Increase ***sh 240*** by ***30%***. **(*02 marks*)** |

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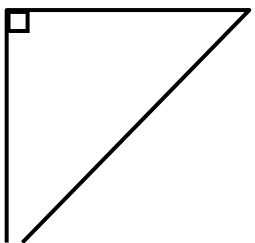

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| 17 | Change ***0.45*** to a common fraction in its lowest form. **(*02 marks*)** | 18 | Sam deposited ***sh 60,000*** in a bank for **2** years at a simple interest rate of ***5%*** per annum. Calclute the interest he got **(*02 marks*)** |
| 19 | Simplify: (**99 ÷ 6**) - (**9 ÷ 6**) **(*02 marks*)** | 20 | Find the square of **4**. **(*02 marks*)** |
| ***SECTION B. (60 MARK)*** | | | |

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| 21 | In a class of ***60 pupils***, ***25 pupils*** like English, ***32 pupils*** like Mathematics 4 ***pupils*** like neither English nor Mathematics and some pupils like both subjects.<br>**(a)** Complete the Venn diagram below. **(*03 marks*)**<br>**n($E$) = 60**<br>**n (E) = 25** **n (M) = 32**<br>**4**<br>**(b)** How many pupils do not like English? **(*02 marks*)** |

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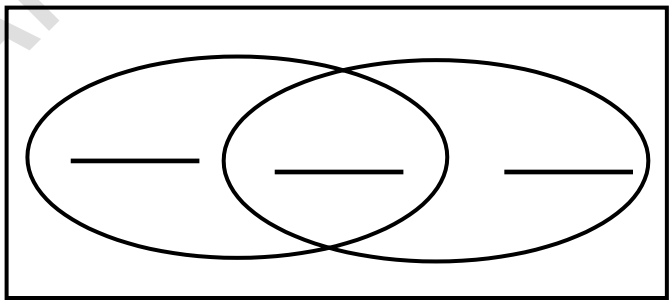

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| 22 | **(a)** Simplify: $\frac{3.6 \times 0.008}{0.16 \times 0.9}$ **(*03 marks*)**<br><br>***(b)*** Workout: $\frac{2}{5}$ **of** $1 + \frac{4}{2}$ **(*02 marks)*** $\frac{}{6}$ |

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| 23 | (a) An event of ***2½ hours*** ended at **2:40pm**. At what time did it start? **(*02 marks*)**<br><br>**(b)** Change ***144km/hr to M/s***. **(*02 marks*)** |

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| 24 | ***20 pens*** were shared amangest three pupils ***A,B*** and ***C*** in the ratio of ***1:4:5*** respectively.<br>**PTO**<br>**(a)** How many pens did each get? **(*03 marks*)**<br><br>**(b)** How many more pens did **C** get than **A**? **(*01 mark*)** |

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| 25 | Digits ***8***, ***3*** and ***9*** were used to form three digit numerals. List down all the digits formed. **(*06 marks*)** |

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| | |
| 26 | Using a ruler, a pencil and a pair of compasses, construct a triangle ABC such that **AB = 7cm**, angle **BAC = $60^0$** and angle **ABC = $45^0$** measure line **BC**.<br><br>**(*05 marks*)** |

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| 27 | A rectangular tank measures ***60cm*** by ***40cm*** by ***50cm***.<br>**(a)** Calculate its volume. **(*02 marks*)**<br><br>—<br><br>**(b)** How many litres can the tank hold when $\frac{1}{8}$ full? **(*03 marks*)** |

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| | |
| 28 | **(a)** Subtract: **2y – 3 from ⁻ 6.** **(*03 marks*)**<br>**P T O**<br><br>**(b)** Simplify: **2 – (4- y) = 8.** **(*03 marks*)** |

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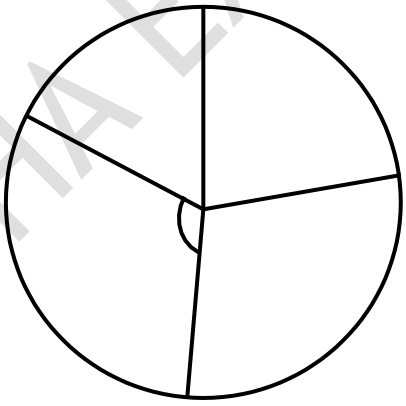
| 29 | The pie chart below shows the number of pupils in Green Land Primary School. Study it carefully and use it to answer questions that follow.<br><br>**P.6** **P.4**<br>**y** **2y**<br>**Other**<br>**classes** **4y** **P.5**<br>**3y**<br><br>(a) Find the value of **y** in degrees. **(*02 marks*)** |



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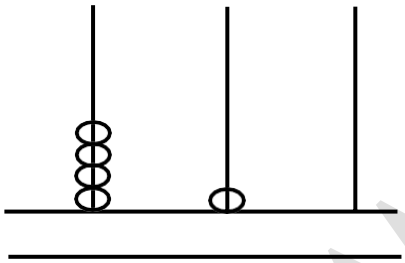
| | (b) If the school has a total of ***240 pupils***, how many pupils are in P.4?<br>**(*03 marks*)** |
| 30 | **(a)** What number is shown on the a bacus below? **(*02 marks*)**<br>  <br>**(b)** What is the place value of **6** in the mumeral ***1624***? **(*02 marks*)** |

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| 31 | The sum of **3** consecutive counting numbers is **54**. If the third number is **y**. Find the numbers. **(*05 marks*)** |

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32 **James bought the following items :**

***2 ½ kg of sugar at sh 2500 per kg.***

**P T O**

***250 gm of posho flour at sh 1800 per kg***

***4 litres of milk at sh 700 per half litre.***

***2 kg of rice at sh 7000***

**(a)** How much did he spend altogether? **(*04 marks*)**

**(b)** If he had a note of ***sh 50,000***, how much was his change. **(*02 marks*)**

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