****

**RAPHA EXAMINATIONS BOARD**

e-mail: [raphaexaminationsboard@gmail.com](mailto:raphaexaminationsboard@gmail.com)

contacts: 0778710993/0740540111

**PRIMARY FIVE EXAMINATIONS 2024 (SET 1)**

**MATHEMATICS**

**Time allowed: 2 hours 30 minutes**

**Pupil’s name:**

**Signature: Date**

**School name:**

**District:**

**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 blue or black ball point pen or fountain pen.

Diagrams **MUST** be drawn in pencil

1. Unnecessary changes of work may lead to loss of marks
2. Any handwriting that cannot be easily read may lead to loss of marks
3. Do not fill in anything indicated for *examiners use only* and those inside the paper

**For examiner’s use only**

|  |  |  |
| --- | --- | --- |
| **SECTION** | **MARKS** | **INITIALS** |
| **SECTION A** |  |  |
| **SECTION B** |  |  |
| **TOTAL** |  |  |

SECTION A. (40 MARKS)

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | Workout: **2 x 5 (*02 marks*)** | 2 | Fill in the blank spaces. **(*02 marks*) 74** = **tens ones** |
| 3 | Shade: **A** ∩ **B** in the Venn diagram below. **(*02 marks*)**  **A B** | 4 | Find the next number in the sequence below. **(*02 marks*)**  **1, 3, 6, 10**, |
| 5 | Change **2¼** into an improper fraction. **(*02 marks*)** | 6 | What is the square of **16**?  **(*02 marks*)** |
| 7 | How many pairs of equal sides has the figure? **(*02 marks*)** | 8 | Find the perimeter of the figure below. **(*02 marks*)**  **8cm 10cm 6cm** |

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
| 9 | Tell the time. **(*02 marks*)**  **11 12 1**  **1 2**  **9 3**  **8 4**  **7 6 5** | 10 | If  represents **5** balls, how many balls are represented by:  D:\PRIME EXAMS\2013 PRIME EXAMS\TERM 3\HP PICS T3 2013\2013-10-07 P2 PKG 2013 T 3\P2 PKG 2013 T 3 085.jpg D:\PRIME EXAMS\2013 PRIME EXAMS\TERM 3\HP PICS T3 2013\2013-10-07 P2 PKG 2013 T 3\P2 PKG 2013 T 3 085.jpg D:\PRIME EXAMS\2013 PRIME EXAMS\TERM 3\HP PICS T3 2013\2013-10-07 P2 PKG 2013 T 3\P2 PKG 2013 T 3 085.jpg D:\PRIME EXAMS\2013 PRIME EXAMS\TERM 3\HP PICS T3 2013\2013-10-07 P2 PKG 2013 T 3\P2 PKG 2013 T 3 085.jpg **(*02 marks*)** |
| 11 | Shade: **3** in the diagram below.  **5 (*02 marks*)** | 12 | Find the L.C.M of **3** and 12.  **(*02 marks*)** |
| 13 | Write **19** in Roman numerals.  **(*02 marks*)** | 14 | Show **302** on the abacus below.  **H T O (*02 marks*)** |
| 15 | Share **Sh. 5000** equally among **5**  boys. **(*02 marks*)** | 16 | Find the sum of the first **5** odd numbers. **(*02 marks*)** |



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
| 17 | The cost of a book is **Sh. 2400**. What is the cost of **2** similar books at the same rate? **(*02 marks*)** | 18 | If **1kg = 1000g**. How many grams are in **3kg**? **(*02 marks*)** |
| 19 | Simplify: **3girls** + **7 girls**. **(*02 marks*)** | 20 | What number has been expanded to give? **(*02 marks*)**  (**1 x1000)+(9 x100)+(3 x10)+(8 x1**) |
| ***SECTION B. (60 MARKS)*** | | | |
| 21 | Given that: **Q**= { **cow, goat, sheep, cat**} **R**= { **rat, pig, cow, man, goat**}   1. Represent the above information on the Venn diagram. **(*03 marks*) Q R** 2. Find: **n(Q** ∩ **R**) **(*01 mark*)** 3. Write down the members of set **R** only**. (*01 mark*)** | | |
| 22 | Study the rectangle below and answer the questions that follow. | | |
|  | | | |

|  |  |
| --- | --- |
|  | y cm    4 cmx cm    7 cm   1. Find the value of **y**. **(*01 mark*)** 2. Find the value of **X**. **(*01 mark*)** 3. What is the perimeter of the above rectangle? **(*02 marks*)**   (b) Work out the area of the above rectangle. **(*02 marks*)** |
| 23 | **Below is a pricelist of items sold in Mr. Kabanda’s shop. Study it and answer**  **the questions that follow**.  ***Item Costs***  ***1 book Sh. 1000***  ***1 kg of sugar Sh. 3000***  ***1 bar of soap Sh. 2500***   1. Which item is the cheapest? **(*01 mark*)** 2. If Okia bought 2bars of soap and a kg of sugar, how much money did he pay altogether? **(*02* P*m*T*a*O*rks*)** |

|  |  |
| --- | --- |
|  |  |
|  |  |
|  |  |
|  |  |

|  |  |
| --- | --- |
|  | 1. If Okia bought 3 books, how much money did he pay altogether? **(*02 marks*)** 2. If Okia went with Sh. 4000 and bought 1 bar of soap, what was his balance?   **(*01 mark*)** |
| 24 | 1. Expand: **8467** using values. **(*02 marks*)** 2. What is the place value of **9** in **4967**? **(*01 mark*)** 3. Write **2015** in words. **(*01 mark*)** 4. Write: **Thirty six thousand six** in figures. **(*01 mark*)** |
| 25 | Study the pictograph below and answer the questions that follow.  ***Key.***  ***Represents 10 pupils.*** |



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | ***Classes*** | ***Pupils*** |  |
| ***P.1*** | C:\Documents and Settings\ROSET\My Documents\My Pictures\MID TERM III\MID TERM III 028.jpg C:\Documents and Settings\ROSET\My Documents\My Pictures\MID TERM III\MID TERM III 028.jpg |
| ***P.2*** | C:\Documents and Settings\ROSET\My Documents\My Pictures\MID TERM III\MID TERM III 028.jpg |
| ***P.3*** | C:\Documents and Settings\ROSET\My Documents\My Pictures\MID TERM III\MID TERM III 028.jpg |
| ***P.4*** | C:\Documents and Settings\ROSET\My Documents\My Pictures\MID TERM III\MID TERM III 028.jpg |
| 1. Which class has the highest number of pupils? **(*01 mark*)** 2. Write two classes which have the same number of pupils. **(*02 marks*)** 3. How many more pupils are in **P.1** than **P.3**? **(*02 marks*)** 4. How many pupils are there in all classes? **(*02 marks*)** | | | |
| 26 | 1. Add: **(*02 marks*)**   **Week Days P T O**  **2 4**  **+ 1 5**   1. Subtract: **(*02 marks*)**   **Hours Minutes** | | | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **5 20**  **- 3 50** | | | | | | | | |
| 27 | 1. Write down the factors of **15**. 2. Find the **G.C.F** of **6** and **9**. 3. Write the first four composite numbers. |  |  |  |  |  |  |  | **(*02 marks*)**  **(*02 marks*)**  **(*01 mark*)** |
| 28 | **Use the number line below to workout**.  (a) **3 + 5**  **0 1 2 3 4 5 6**  (b) **8 – 6**  **0 1 2 3 4 5** | **6** | **7** | **7** | **8** | **8** | **9** | **9** | **(*02 marks*)**  **(*02 marks*)** |
| 29 | (a) Find the next two equivalent fractions to  **2/5 , ,** |  |  |  |  |  |  |  | **(*02 marks*)** |

|  |  |  |  |
| --- | --- | --- | --- |
|  | 1. Workout: **1 + 1**   **2 3**   1. Arrange from the smallest to the biggests.   **3 , 2, 6, 4**  **7 7 7 7** | | **(*02 marks*)** |
| **(*01 mark*)** |
| 30 | (a) Add: | | **(*02 marks*)** |
|  | **2 3 4five** | |  |
|  | **+ 4 3five** | |  |
|  | (b) Subtract: | | **(*02 marks*)** |
|  | **4 1 2five** | |  |
|  | **- 3 4five** | |  |
| 31 | **(a) Complete the table below**.  ***Metre. 1***  ***Centimetre 100 200*** | ***4*** | **(*01 mark each*)**    ***600*** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

|  |  |
| --- | --- |
|  | (b) Add: **M CM (*02 marks*)**  **3 70**  **+ 1 56** |
| 32 | **Complete the factor tree below**. **(*04 marks*)**  2 24  12  2  3 |