

# THE SIPRO END OF TERM I EXAMINATIONS -2023

SUBJECT : MATHEMATICS

CLASS : PRIMARY SIX

DURATION : 2 hours 30 minutes

Name : \_\_\_\_\_

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

District : \_\_\_\_\_

## READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

1. This paper has two sections: **A** and **B**.
2. Section **A** has **20** questions (**40 Marks**).
3. Section **B** has **12** questions (**60 Marks**).
4. Attempt all questions in both sections. All answers to both sections **A** and **B**. must be written in the spaces provided.
5. All answers must be written in blue or black ball point pens or **ink**. Only diagrams and graph work must be done in **pencil**.
6. Unnecessary **alteration** of work will lead to loss of marks.
7. Any **handwriting** that cannot be easily read may lead to loss of marks.
8. Do not fill anything in the boxes indicated:  
"FOR EXAMINER'S USE ONLY"

## For Examiner's Use Only;

| PAGES  | MARKS | INITIALS |
|--------|-------|----------|
| Page 1 |       |          |
| Page 2 |       |          |
| Page 3 |       |          |
| Page 4 |       |          |
| Page 5 |       |          |
| Page 6 |       |          |
| Page 7 |       |          |
| Total  |       |          |

Please turn over



THE SIPRO EDUCATIONAL SERVICES LIMITED - KAMPALA

PUBLISHERS OF THE SIPRO TEACHERS' GUIDES, LEARNER'S WORKBOOKS & PUPIL'S COMPANIONS

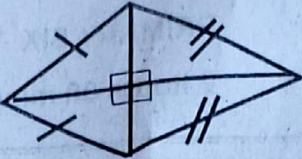
**SEMAS** | Simplified Learning Today

www.semas.one



**SECTION: 40 MARKS**

Attempt all questions in this section  
Questions 1 to 20 carry two marks each

|    |  |    |  |
|----|--|----|--|
| 1. | <b>Work out:</b><br>$\begin{array}{r} 1\ 2 \\ + 4\ 3 \\ \hline \end{array}$<br>_____   | 2. | Name the <b>quadrilateral</b> below.<br>   |
| 3. | <b>Work out:</b> $\frac{7}{10} - \frac{5}{10}$   | 4. | Write the place value of <b>6</b> in the number <b>96,431</b> .  |
| 5. | The perimeter of a square is <b>40m</b> . Find the side of the square.   | 6. | <b>Simplify:</b> $-9 + +4$   |
| 7. | A class had some exercise books in term one; in term two they received <b>125</b> more exercise books. In total, they got <b>135</b> exercise books. How many exercise books did they receive in term one? | 8. | A man had two families: Family A with <b>5</b> children, family B with <b>3</b> children. He intends to give land to his children. How many acres will he divide among his children equally? |




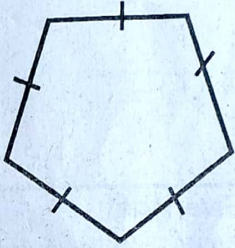
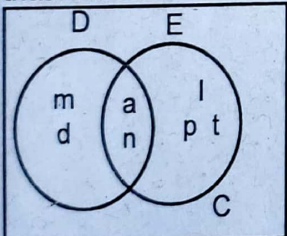
© Sipros Educational Services Tel: 0414669050/ 0755-274911/0776-274911

**P.6 MATHEMATICS END OF TERM ONE EXAMINATION - 2023**

IGNITE CRITICAL THINKING AND EXPERIENCE ACTUAL LEARNING WITH THE ACTIVITY BOOKS, SEMAS, TR'S GUIDES AND PUPIL'S COMPANIONS.

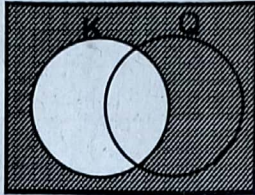
1



|     |  |     |  |
|-----|--|-----|--|
| 9.  | Work out the number of quarters in <b>36kg</b> of sugar.   | 10. | A girl bought a pair of shoes at <b>sh.25,000</b> . She sold it to a friend at a rate of <b>sh.23,500</b> . What loss did she make?  |
| 11. | Write <b>90,438</b> in words.  | 12. | The time shown on the digital watch was for a commercial break, show it on the clock face.<br> |
| 13. | A chemist prepared <b>2 litres</b> of medicine and she wanted to pack it in millilitres. Find how many millilitres she will have before packing.   | 14. | Show the <b>lines</b> of folding symmetry in the figure below.<br>                            |
| 15. | Given the venn diagram below, use it to answer the question that follows.<br><br>Find $n(D \cap E)$ complement. | 16. | Sanyu Babies Home brought <b>thirty-two</b> babies for immunisation on a certain day. Express the information in <b>tally</b> form.  |



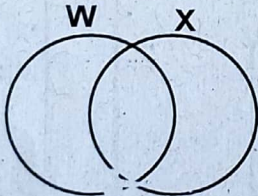


|     |   |     |  |
|-----|---|-----|--|
| 17. | Simplify: $6k - 7w + 2w - k$  | 18. | Complete the sequence below:<br><b>16, 25, 36, 49, _____, _____</b>  |
| 19. | A motorist rode for <b>3</b> hours a distance of <b>75km</b> . What <b>speed</b> did she use? | 20. | Describe the <b>shaded</b> region.<br> |

### SECTION B: 60 MARKS

Attempt **all** questions in this section.

Marks for **each part** of the question are **indicated** in the brackets

|       |  |           |   |
|-------|--|-----------|---|
| 21.a) | During the dog's training, the instructor told it to move <b>2</b> steps backwards then change direction and move <b>6</b> steps forward. Express the dog's movement on the number line. | b)        | State the <b>position</b> of the dog after the instruction. |
|       | (03Marks)  |           | (01Mark)  |
| 22.   | Given that:<br>$W \cup X = \{a, e, c, k, l, r, q, p\}$<br>$W - X = \{p, q, r\}$<br>$W \cap X = \{a, c, k\}$  |           |   |
| a)    | Represent the information on the <b>venn</b> diagram below.<br>                                       |           |   |
| b)    | Find $n(W \cap X)$   |           |   |
|       |  | (03Marks) | (02Marks)   |



© Sipro Educational Services Tel: 0414669050/ 0755-274911/0776-274911

**P.6 MATHEMATICS END OF TERM ONE EXAMINATION - 2023**

IGNITE CRITICAL THINKING AND EXPERIENCE ACTUAL LEARNING WITH THE ACTIVITY BOOKS, SEMAS, TE'S GUIDES AND PUPIL'S COMPANIONS.

3



23. The bill table below shows how the father went shopping for his family.

a) Complete the bill table.

| Item        | Qty              | Unit cost | Amount   |
|-------------|------------------|-----------|----------|
| rice        | 3kg              | sh4500    | _____    |
| sugar       | _____            | sh5000    | sh10,000 |
| cooking oil | $\frac{1}{2}$ kg | _____     | sh5000   |
| salt        | _____kg          | sh2000    | sh500    |
| soap        | 1bar             | sh6000    | sh6000   |

(04Marks)

b) Find his change if he went with **sh.50,000**.

(02Marks)

24 a) Using a ruler, a pair of compasses and a pencil only, construct a rectangle **BCDE** where  $\overline{BC} = 8\text{cm}$  and  $\overline{CD} = 5\text{cm}$ .

(04Marks)

b) Measure length  $\overline{BD}$ .

(01Mark)




© Sipro Educational Services Tel: 0414669050/ 0755-274911/0776-274911  
**P.6 MATHEMATICS END OF TERM ONE EXAMINATION - 2023**

IGNITE CRITICAL THINKING AND EXPERIENCE ACTUAL LEARNING WITH THE ACTIVITY BOOKS, SEMAS, TR'S GUIDES AND PUPIL'S COMPANIONS.

4



|        |  |   |    |     |    |  |  |
|--------|--|---|----|-----|----|--|--|
| 25.    | <p>24 bottles of soda are packed in a crate. A factory packs 120 crates in one hour.</p> <p>a) How many bottles are packed in <b>a half</b> a day?</p> <p style="text-align: right;">(03Marks)</p> <p>b) Musa has 60 layers in his poultry farm. Each lays 7 eggs in a week. How many <b>trays</b> of eggs does he collect in 3 weeks?</p> <p style="text-align: right;">(03Marks)</p>   |   |    |     |    |  |  |
| 26. a) | <p>Work out: <b>Hours</b>    <b>min</b></p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: right;">4</td> <td style="text-align: right;">30</td> </tr> <tr> <td style="text-align: right;">+ 2</td> <td style="text-align: right;">50</td> </tr> <tr> <td style="border-top: 1px solid black; text-align: right;"></td> <td style="border-top: 1px solid black; text-align: right;"></td> </tr> </table> <p style="text-align: right;">(02Marks)</p> | 4 | 30 | + 2 | 50 |  |  |
| 4      | 30   |   |    |     |    |  |  |
| + 2    | 50   |   |    |     |    |  |  |
|        |  |   |    |     |    |  |  |
| 27. a) | <p>If <math>a = 6</math>, <math>b = -2</math> and <math>C = 5</math></p> $\frac{2c + b}{a}$ <p style="text-align: right;">(03Marks)</p>  |   |    |     |    |  |  |
| b)     | <p>Tell the afternoon time.</p> <div style="text-align: center;">  </div> <p style="text-align: right;">(02Marks)</p> <p><b>Solve;</b></p> $p - 6 = 2$ <p style="text-align: right;">(02Marks)</p>   |   |    |     |    |  |  |





|        |  |    |   |
|--------|--|----|---|
| 28. a) | What number has been expanded to give $(2 \times 10,000) + (6 \times 1000) + (1 \times 10)$ ?  | b) | Work out;<br>$\begin{array}{r} 210_{\text{five}} \\ -143_{\text{five}} \\ \hline \\ \hline \end{array}$ |
|        | (02Marks)  |    | (02Marks)   |
| 29. a) | Without dividing, which number is divisible by 3?<br><b>345, 874</b>   | b) | The sum of 3 consecutive even numbers is <b>54</b> , what is the largest number?                        |
|        | (02Marks)  |    | (03Marks)   |
| 30.    | The rectangular table measures <b>150cm</b> by <b>90cm</b> . A table cloth of <b>100cm</b> by <b>70cm</b> was laid onto it. Find the <b>area</b> of the table that was not covered with the table cloth. |    |   |
|        |  |    | (05marks)   |



© Sipro Educational Services Tel: 0414669050/ 0755-274911/0776-274911

**P.6 MATHEMATICS END OF TERM ONE EXAMINATION - 2023**

IGNITE CRITICAL THINKING AND EXPERIENCE ACTUAL LEARNING WITH THE ACTIVITY BOOKS, SEMAS, TR'S AND PUPIL'S COMPANIONS.







31. Arrange the fractions in ascending order.

$\frac{1}{4}$ ,  $\frac{1}{2}$ ,  $\frac{1}{3}$ , and  $\frac{3}{5}$

(05marks)

32. The pictograph below shows the distribution of people in the divisions of a certain district. Study and use it to answer the questions that follow.

| Division | Population  |
|----------|---|
| Eastern  |  |
| Western  |  |
| Northern |  |

Scale  reps 200 people

a) Find how many people live in each division.

(03marks)

b) Work out the average number of people in the division.

(03marks)



© Sipro Educational Services Tel: 0414669050/ 0755-274911/0776-274911  
P.6 MATHEMATICS END OF TERM ONE EXAMINATION - 2023

IGNITE CRITICAL THINKING AND EXPERIENCE ACTUAL LEARNING WITH THE ACTIVITY BOOKS, SEMAS, TR'S GUIDES AND PUPIL'S COMPANIONS.

7