# THE SIPRO PRE - PLE SET I 2026

## PRIMARY SEVEN

## MATHEMATICS

**Time Allowed:** *2 Hours 30 Minutes*

| Index No. | Random No. | | | | | | Personal No. | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

Candidate's Name: _____

Candidate's Signature: _____

**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;**

| Qn No. | MARKS | INITIALS |
|---|---|---|
| 1 - 5 | | |
| 6 - 10 | | |
| 11 - 15 | | |
| 16 - 20 | | |
| 21 - 22 | | |
| 23 - 24 | | |
| 25 - 26 | | |
| 27 - 28 | | |
| 29 - 30 | | |
| 31 - 32 | | |
| **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 Google Play

## SECTION A: 40 MARKS

Attempt **all** questions in this section.

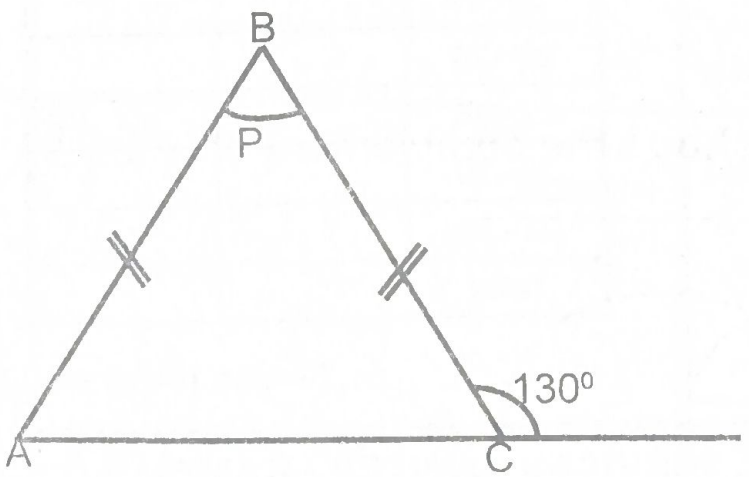
*Questions* **1** *to* **20** *carry* **two** *marks each.*

1. **Work out:** $28 \div \frac{1}{2}$

2. Write "**Thirty – eight thousand, fifty**" in figures.

3. Aminah went to sleep at **7: 30 p.m**. If she slept for $3\frac{1}{2}$ hours, at what time did she wake up?

4. In the **figure** below, find the **size** of angle marked **P** in degrees.

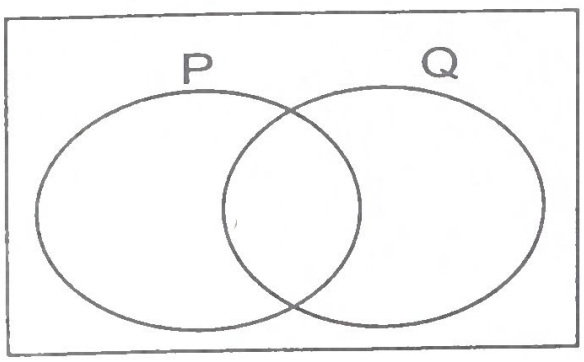


5. Find the **sum** of the **4th** and **6th** prime numbers.

6. The **average** age of **3** girls is **12** years. If one of them is **10** years old, find the **total** age of the other **two** girls.

7. **Simplify**: 5ab – 2xy – ab + 7xy

8. In the Venn diagram below, **shade** the complement of (**PUQ**).



9. Namuli bought **4**kg of beans at **sh.12,000**. Find the quantity of beans in **kilogrammes** she would get with **sh.18,000**.

10. The temperature of a hailstone was **10°C** and that of water was **30°C**. Find the **difference** in temperature of the water and the hailstone.

11. Find the **next** number in the sequence below.

    1, 2, 6, 15, 31, _____

12. Trees were planted along a straight road **305 metres** long, if the trees were planted **5 metres** apart, find the **number** of trees planted along the road.

13. Express **0.00306** to scientific notation.

14. Change $\mathbf{1010}_{\text{two}}$ to standard base.

15. The cost of each cake at a shop is **sh.15,000**. If the seller gives a **5%** discount on the sale of two cakes sold, calculate the amount of money Tabu **paid** if he bought **2** cakes.

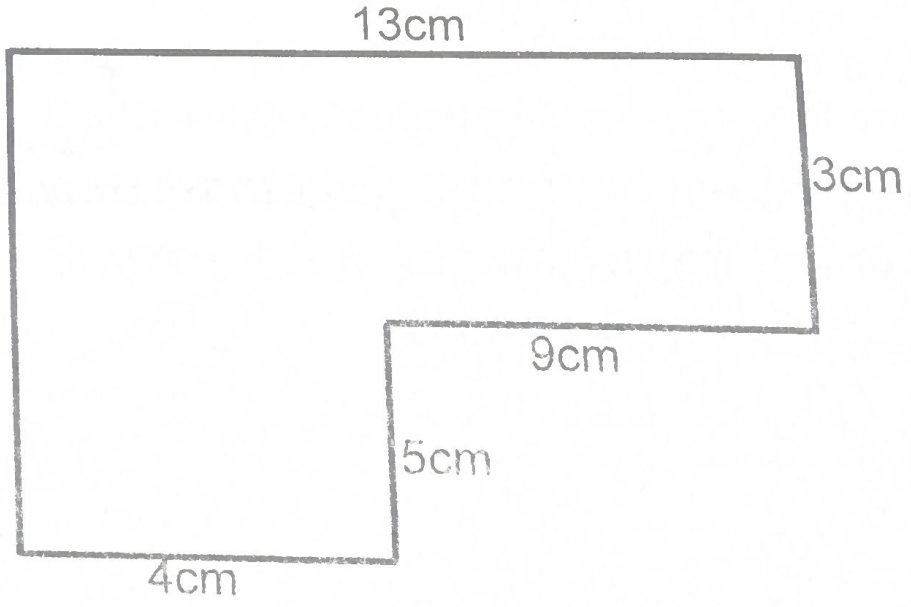
16. Towns **A** and **B** are distant from each other. If a motorist moving at a speed of **20km/h** used only **3 hours** from town **A** to town **B**, calculate the distance between towns **A** and **B**.

17. Using a ruler, a pencil and a pair of compasses only, construct an angle of **$105^0$** in the space provided below.

18. Find the solution set for:

$15 \geq 4x - 1 \geq 3$

19. Find the **perimeter** of the figure below.




© Sipro Educational Services Tel: 0414669050/ 0755-274911/0776-174911

20. If ⚽ ⚽ stand for **6 balls**, draw pictos that represent **15 balls**.

## SECTION B: 60 MARKS

Attempt **all** questions in this section.

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

21. The interior angle of a regular polygon is **135⁰**. Calculate its interior angle sum. *(05 marks)*

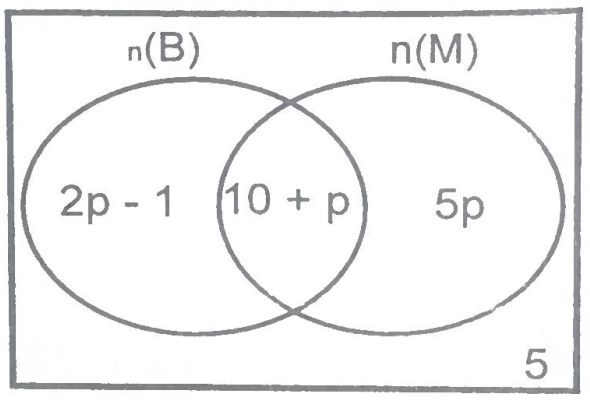
22. (a) Opio's salary was increased by **20%** to **sh. 120,000** per month. Find his salary before increase. *(03 marks)*

(b) If a 10% Pay As You Earn tax is **deducted** from Opio's new salary, find his **final** salary after the deduction of the tax. *(02 marks)*

23. (a) **Work out:** $101_{two} \times 11_{two}$ *(02 marks)*

(b) Given that $102_{p} = 24_{seven}$, find the value of **p**. *(04 marks)*

24. **The Venn diagram below shows the number of candidates who like beans (B) and maize (M).** *Study and use it to answer the questions that follow.*




(a) If 22 candidates like **maize**, find the value of **p**. *(03 marks)*

(b) Find the **number** of candidates who like beans only. *(02 marks)*

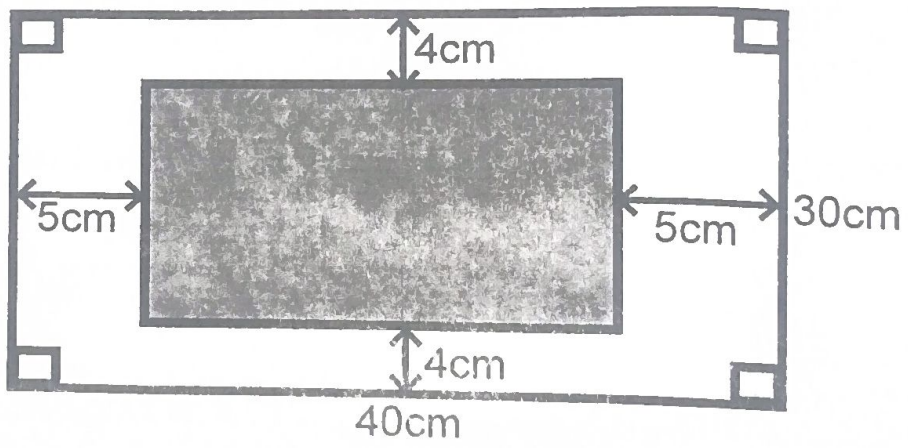
25. At Kampala Bus Park, buses travelling to Gulu and Mbarara leave after **40 minutes** and **30 minutes** respectively. The first buses to the two towns leave together at **6: 30 am**. At what time do the next buses to the two towns leave Kampala together again? *(04 marks)*

26. (a) Using a ruler, a pencil and a pair of compasses only, construct a parallelogram **ABCD** where line **AB** = 7cm, line **BC** = 5cm and angle **BAD** = $60^0$. *(04 marks)*

(b) Drop a perpendicular line at point **D** to meet line **AB** at **M**. *(01 mark)*

27. Musa left town **A** driving at an average speed of **60km/h** for 3h to town **B**. He rested for **half** an hour at town **B** and then continued to town **C** driving at an average speed of **50 km/h** for $1\frac{1}{2}$ h.
Calculate Musa's average speed for the whole journey. *(05 marks)*

28. **A rectangular piece of cloth is placed centrally on the table mat measuring 40cm by 30cm. The area covered by the piece of cloth is shaded as shown in the figure below.** *Use it to answer the questions that follow.*




(a) Find the **length** and **width** of the piece of cloth. *(02 marks)*

(b) Work out the **area** of the table mat which is not covered by the piece of cloth.

*(04 marks)*

29. In Atimo Market, the cost of a goat is 7 times the cost of a cock. Alit bought a goat and a cock at **sh. 232,000.** Find the cost of a cock and a goat.

*(04 marks)*

30. **The table below shows the rate of exchange in Uganda shillings at which different currencies are bought and sold at forex bureau.**
*Use it to answer the questions that follow.*

| Currency | Buying | Selling |
|---|---|---|
| US dollar | sh. 3,600 | sh. 3,650 |
| Pound Sterling | sh. 4,050 | sh. 4,200 |
| Kenya shillings | sh. 36 | sh. 37 |

(a) Work out the number of dollars a businessman gets from **Ug.sh. 730,000.**

*(02 marks)*

(b) A tourist has **K.sh. 28,000**, calculate the number of Pound Sterling the tourist will get from the forex bureau. *(03 marks)*

*(02 marks)*

31. (a) Express **200cm** as a ratio of **5 metres**.

(b) The population of Kamba was **1200**. The number **increased** by **300** people. In which **ratio** did the population increase? *(03 marks)*

32. In a school library, there are **120** Maths books, **40** English books, **90** Science books and **110** Social studies books. Use the above information and draw a pie-chart of radius **3.5cm**. *(05 marks)*