SEETA JUNIOR SCHOOL

PRE – PLE SET 5

2026

MATHEMATICS

PRIMARY SEVEN

Time Allowed: 2 hours 30 minutes

Index No. :	**RANDOM NO.**						**PERSONAL NO.**		

Candidate's Name : .....

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DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

Read the following instructions carefully:

1. This paper has **two** sections: **A** and **B**.
2. All the working for both sections **A** and **B** must be shown in the spaces provided.
3. All working must be done using a blue or black ball-point pen or fountain pen. Any work done in pencil other than graphs, pictures and diagrams will **not** be marked.
4. **No calculators** are allowed in the examination room.
5. Unnecessary changes of work may lead to **loss** of marks.
6. Any handwriting that cannot easily be read may lead to **loss of marks.**
7. Do **not** fill anything in the boxes indicated: **"For Examiners' Use Only"**

FOR EXAMINERS' USE ONLY		
Qn. No.	**MARKS**	**EXRS' IN.**
1 – 5		
6 – 10		
11 – 15		
16 – 20		
21 – 22		
23 – 24		
25 – 26		
27 – 28		
29 – 30		
31 – 32		

SECTION A. (40 Marks)

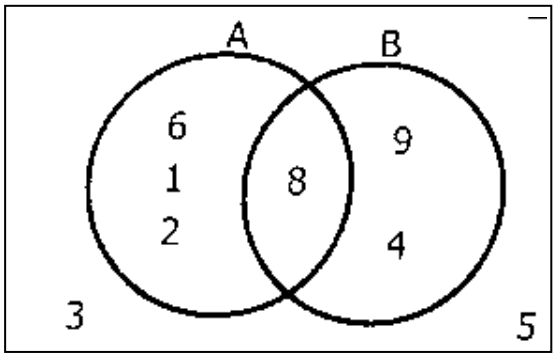
1. Work out: 1010 ÷ 5

2. Write XCIX in words.

3. Find the sum of the next two numbers in the sequence below.

   1, 8, 27, _____, _____

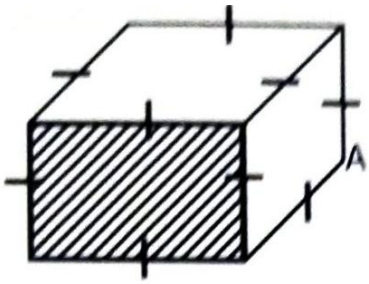
4. **Study the Venn diagram below and use it to answer the questions that follow.**



   How many subsets are in B′ ?

5. Peter left home at 8:20 a.m. By the time he left, his sister Precious had already left home 40 minutes earlier. At what time did Precious leave home?

6. **In the figure below, the area of the shaded region is 36 cm². Find the length AB.**



7. **Construct an angle of 135° in the space below.**

8. After covering $\frac{1}{4}$ of the journey, Opio remained with 60 km to cover. Calculate the total distance Opio had to cover.

9. Mubiru kept a bundle of 20 notes of five thousand shillings each in his house. After 2 months, he found out that the notes worthy sh. 25,000 were eaten by a rat and could not be accepted. How much money did Mubiru remain with?

10. Simon Peter was born in 80 BC and died in AD. When he was 130 years. In which year of AD did he die?

11. Solve: 2k + 10 = 4

12. A rectangular garden covers an area of 244 m². Calculate the area covered by the garden in square centimetres.

13. 3y89 is a four-digit number. If the product of the value of y and the place value of 8 is 4,000. Find the digit represented by y.

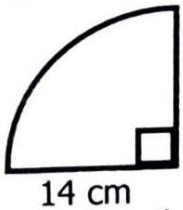
14. Simplify: 0.5 ÷ $\frac{1}{4}$

15. The average age of 4 boys is 8 years. Calculate their total age.

16. A total number of 82 trees were planted equally on both sides of a straight road. If they were planted at intervals of 5m, calculate the length of the road in metres.

17. Use >, < or = to complete:
    $^{+}4 - {}^{-}4$ _____ $^{+}4 + {}^{+}4$

18. A piece of wire was folded to form the figure below.



Calculate the length of the piece of wire that was used.

19. The number of pupils at a certain school was 600 last term. This term, it increased by $3\frac{1}{2}$%. Calculate the number of pupils in the school this term.

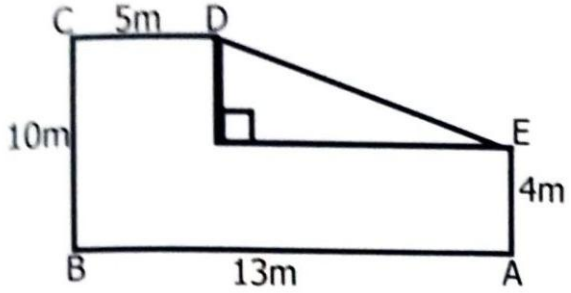
20. The table below shows addition of numbers in base five.

+	2	3
3	_____	11
4	11	_____

Complete the table above.

SECTION B (60 MARKS)

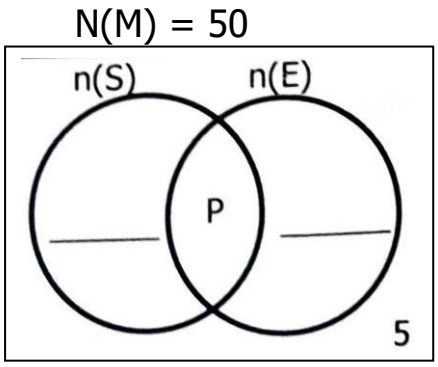
21. **Study the figure below and use it to answer the questions that follow.**



Opio covered the distance from A to B, B to C, C to D, D to E and then E to A. What distance did he cover? **(5 marks)**

22. In a class of 50 pupils, all of them like mathematics. 35 pupils like mathematics and science (S), 40 pupils like mathematics and English (E), P pupils like all the 3 subjects unlike 5 of them like mathematics only.

(a) Use the above information to complete the Venn diagram below. (2 marks)



(b) How many pupils like only two types of subjects? (3 marks)

23. **(a).** Express 348.1 in standard form. **(2 marks)**

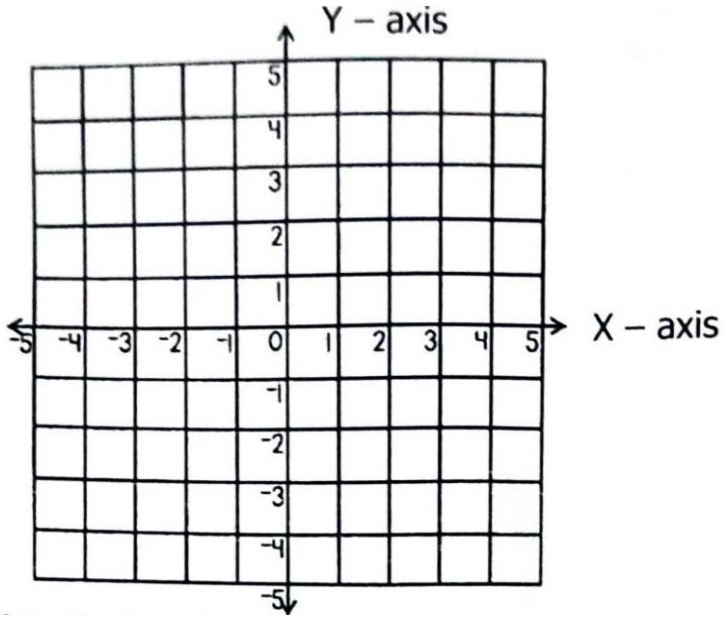
(b). Find the number whose standard form is 3.84×10^{-4}. **(2 marks)**

24. Last month, a trader went to the shop to buy rice and cooking oil. By that time, the ratio of the cost of 1 kg of rice to 1 litre of cooking oil was 2:3 respectively.
This month, he went back to the same shop. However, the shop keeper informed him that the cost of 1 kg of rice was still the same but that of cooking oil had increased by sh. 1,000. If the ratio of 1 kg of rice to 1 litre of cooking oil is 4:7 respectively this month.

(a) What was the cost of 2 kg of rice last month? (4 marks)

(b) What is the cost of 1 litre of cooking oil this month? (2 marks)

25. **(a).** Plot the points A ($^{-}3$, $^{+}2$), B (0, $^{+}2$), C ($^{+}3$, $^{-}2$) and D ($^{-}3$, $^{-}2$) on the grid below. **(4 marks)**



(b). Join A to B, B to C, C to D and D to A. **(1 mark)**

(c). Name the figure formed. **(1 mark)**

26. **(a).** Using a ruler, a pencil and a pair of compasses, construct a triangle ABC where AB = 7 cm, ∠ABC = 75° and ∠CAB = 30°. **(4 marks)**

(b). Measure ∠ACB. **(1 mark)**

27. **(a).** Convert 0.2727… to a common simplified fraction. **(2 marks)**

(b). Work out: $\dfrac{(0.12)^2}{0.0014 + 0.00004}$ **(3 marks)**

28. The sum of 3 consecutive multiples of 6 is 54.

a) Find the multiples. **(4 marks)**

(b). Calculate the range of the multiples. **(1 mark)**

29. A cyclist left town T and travelled to town R at a given speed in 2 hours. He had a stop over of 1 hour at town R and then continued to town P at a certain speed in 4 hours. The distance from town T to town R was 120 km less than that of town R to town P. Calculate the speed the cyclist used to travel from town R to town P if the average speed for the whole journey was 40 km/h.

(4 marks)

30. Balam went to the shop with a fifty-thousand-shilling note and bought the following items. After buying all the items, he was given change of six thousand five hundred shillings.
    2½ kg of sugar at sh. 4,000 per kg
    2 litres of cooking oil at sh. 6,000 per litre
    20 tomatoes at sh. 500 for every 4 tomatoes
    2 bars of soap at sh. y per bar
    Find the value of y. **(5 marks)**

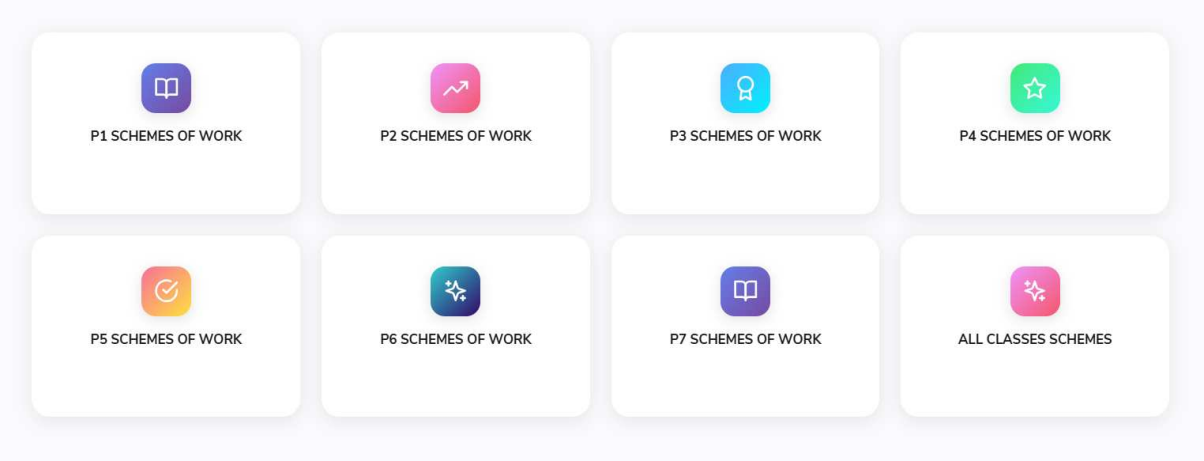
31. In a district, there are 20 sub-counties. Each sub-county has 8 parishes. During operation wealth creation program, the government gave 214 cows to each of the first 100 parishes that registered first and the remaining parishes received 200 cows each. How many cows did the government give out to the district? (5marks)

32. **(a)** Work: 2 – 4 = _____ (finite 7) **(2 marks)**

(b) Solve for y: 3y + 4 = 5 (finite 7) **(3marks)**

END

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