THE SPECTRUM EXAMINATIONS HUB
END OF TERM III ASSESSMENT, 2024
PRIMARY SIX MATHEMATICS
Time allowed 2hrs 15 minutes

NAME: _____

SCHOOL_____

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. Answer all questions. All the working for both sections A and B must be shown in the spaces provided.

5. All working must be done using a blue or blackball point pen or ink. Any work done in pencil will NOT be marked except drawings and diagram.

6. No calculators are allowed in the examination.

7. Unnecessary changes in your work and handwriting that cannot be easily read may lead to loss of marks.

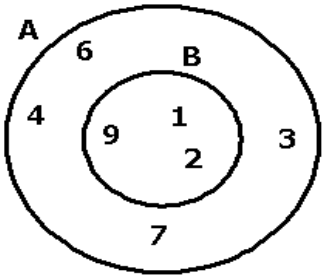
8. Do not fill anything in the table indicated; "For examiners' use only" and the boxes inside the question paper.

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

SECTION A:

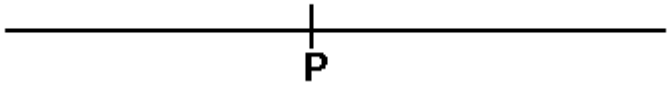
1. Work out: 126 + 14

2. Find the **n**(**A** – **B**) in the diagram below.



3. Write XCV in Hindu Arabic numerals.

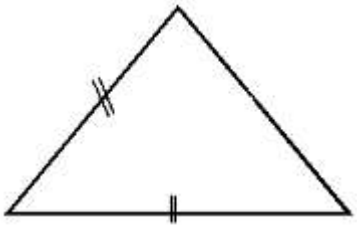
4. Using a ruler, a pencil and a pair of compasses only, construct an angle of 30^0 at point P.



5. In a club of 500 members, 10% of them are women. How many men are in that club?

6. Convert 64_{ten} to base five.

7. How many lines of folding symmetry does the figure below have?



8. Find the square of 0.4.

9. Simplify: $5k + 4m - k + 2m$

10. Work out the mean of $4x$, 2, 0, x and 3.

11. Increase 6000/- in the ratio of 5:3.

12. Express 20m/s as kilometres per hour.

13. Given that, one United States (US) dollar (US $ 1) costs sh. 2500 Uganda shillings. How many US dollars can one obtain from 1,500,000 Uganda shillings?

14. Using the distributive property, workout (30 x 12) + (70 x 12)

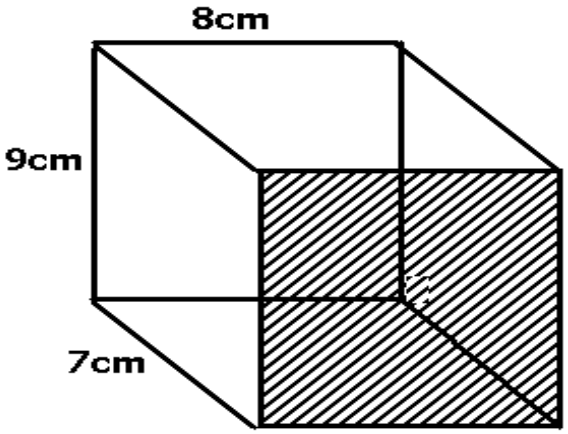
15. Express 22 ½ % as a fraction in its simplest form.

16. Subtract 3x – 4 from 5x + 8

17. A factory packs 62 boxes of U-fresh in a day. For how many days will the factory have to work in order to pack 6634 boxes of U-fresh?

18. Find the next two numbers in the sequence:
1, 3, 7, 13, _____ , _____

19. Find the area of the shaded face of the cuboid below.



20. Work out: $^{-}5 + {}^{-}9$.

SECTION: B

21. In a certain school, $^{3}/_{5}$ of the pupils are girls and the rest are boys. If there are 320 boys;

    (a) How many pupils are in the whole school? (3 marks)

    (b) Express the number of girls as a percentage of the whole school.

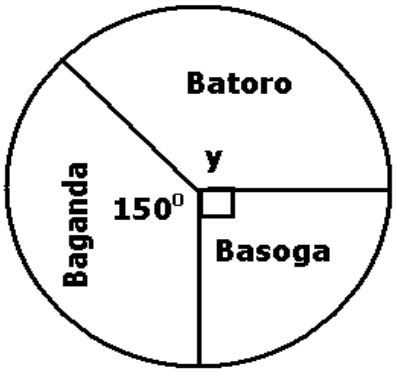
    (2 marks)

22. (a) Mugisha's shopping bill is shown on the table below. Fill in the blanks and use it to answer the questions that follow. (4 marks)

Item	**Quantity**	**Unit Cost**	**Total cost**
Sugar	3kg	3000/- per kg	……
Water	2 litres	……	2000/-
Beans	……	1200/= per kg	6000/-
Total			……

(b) If he remained with a balance of 1850/-, how much money did he go with? (1 mark)

23. The pie chart below represents a population of 7200 people in Kasambira village. Use it to answer the questions that follow.

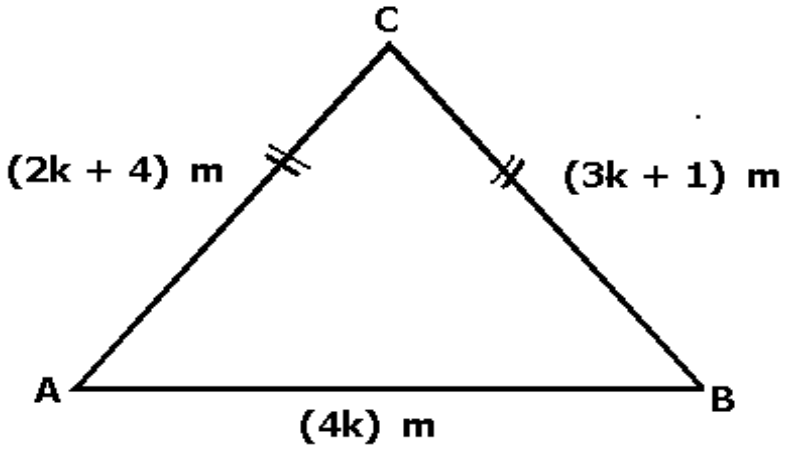


(a) Find the value of **y** in degrees. (2 marks)

(b) How many Basoga live in Kasambira village? (2 marks)

(c) How many more Baganda than Batoro live in Kasambira village? (2 marks)

24. Study the figure below and answer the questions that follow.



(a) Find the value of **k**. (2 marks)

(b) Work out the length of AB. (1 mark)

(c) Mbabazi walks around the figure 3 times, what distance does he cover? (2 marks)

25. The sum of three consecutive even numbers is 36.

(a) Find these numbers. (3 marks)

(b) Find the range of these numbers. (2 marks)

26. (a) Work out: $\frac{0.24 \times 0.9}{0.03 \times 0.12}$ (3 marks)

(b) Round off 776.59 to the nearest tenth. (2 marks)

27. (a) Using a ruler, a pencil and a pair of compasses only, construct triangle ABC in which AB= 6cm, angle ABC = 60^0 and BC = 8cm. (3 marks)

(b) Measure side AC. (1 mark)

28. A bus carries 65 passengers per trip and a taxi carries 14 passengers every trip.

(a) How many passengers altogether will be carried if the bus makes 9 trips and the taxi makes 7 trips? (3 marks)

(b) The bus charges sh.3000 per person and the taxi charges sh.7000 per trip.
How much money in total will be collected from all the passengers? (3 marks)

29. (a) Write 2,020,002 in words. (1 marks)

(b) Show 4300841 on the abacus. (2 marks)

(c) What number has been expanded to give;
$(4x10^4) + (9x10^2) + (3x100)$? (2 marks)

30. Given that m = $\bar{}3$ and k = 5, find the value of:

(a) $m^2 + 4k$ (2 marks)

(b) m − k (1 mark)

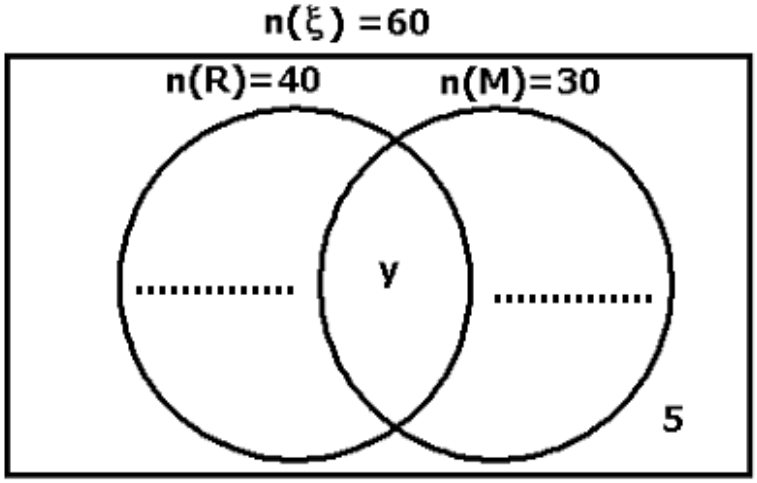
(c) 2k – m (2 marks)

31. Kiddu drove from home to town at a speed of 60km/hr and reached town after 2 hours.

(a) How far is the town from home? (2 marks)

(b) If he drove back in 3 hours, what was his return speed? (2 marks)

32. The Venn diagram below represents pupils in a P.6 class who eat rice (**R**) and those who eat matooke (**M**). Use it to answer the questions that follow.



(a) Complete the Venn diagram above. (2 marks)

(b) Find the value of **y**. (2 marks)

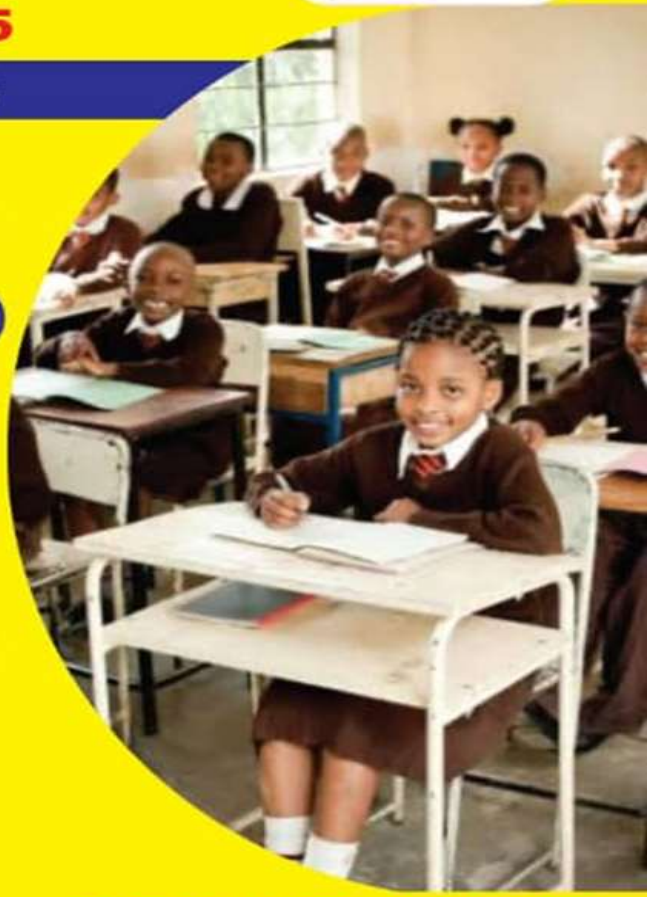
(c) How many pupils like only one type of food? (1 marks)

END

THE SPECTRUM EXAMINATIONS HUB

THE ROAD TO PLE 2025

SPOT CHECK EPISODES



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