THE SPECTRUM EXAMINATIONS HUB
BEGINNING OF TERM III EXAMINATIONS, 2024
P.5 MATHEMATICS
TIME ALLOWED: 2 HRS 15 MINUTES

Pupil's name.....

School name.....

Read the following instructions carefully:

1. This paper has two sections: A and B

2. Answer all questions. All answers to both sections A and B must be written in the spaces provided.

3. Answers must be written using a blue or blackball point pen or ink. Any pencil work will not be marked.

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

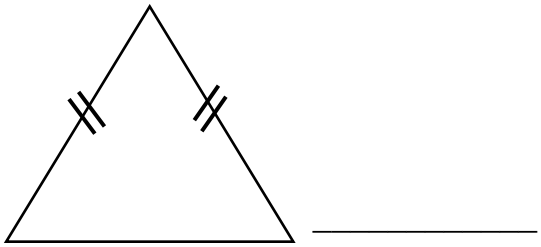
5. Do not fill anything in the table indicated; "For examiners' use only".

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

SECTION A

1. Add: 348 + 215

2. Name the figure below.



3. Change 42 days to weeks.

4. Find the LCM of 6 and 8.

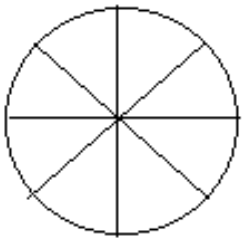
5. Write 21,514 in words.

6. What number was expanded to give: (4 x 10,000) + (3 x 100) + (7 x 10) + (1 x 1)?

7. Given that set
   Y = {Cat, dog, rat}.
   List all the subsets Y?

8. Express $\frac{1}{4}$ as a decimal.

9. Shade $\frac{3}{4}$ of the diagram.

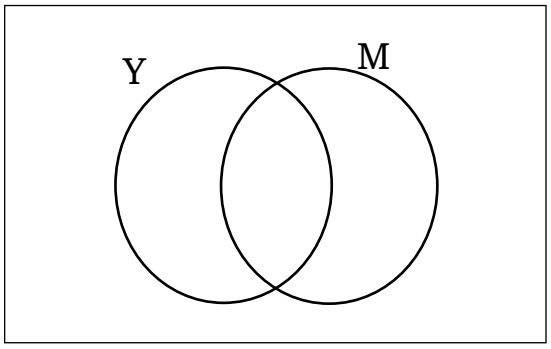


10. Namata has a notes of Sh.
    50,000. How many 5000shillings can
    be got from the above note?

11. Find the next number in the sequence.
2, 3, 5, 7, ____, ____

12. Solve for X : 2X – 3 = 9.

13. On the Venn diagram below , Shade M - Y



14. Convert $2\frac{1}{2}$m to centimetres

15. Express 98 in Roman numbers.

16. Given that  represents 15 balls. Draw pictures to represent 90 balls.

17. How many quarter times are there in 540?

18. Construct an angle of 45^0 using a pencil, a ruler and a pair of compasses only.

19. Ariho gets 20 litres of milk from his cows every day. How many ½ litre bottles can he get from the above amount of milk?

20. Round off 4875 to the nearest hundreds.

SECTION B (60 marks)

21. (a) Arrange $\frac{1}{4}, \frac{3}{8}, \frac{1}{4}$ in ascending order.

(03 marks)

(b) Add: $\frac{1}{2}+\frac{3}{4}+\frac{1}{3}$

(02 marks)

22. (a) Change 310_{five} to decimal base

(02 marks)

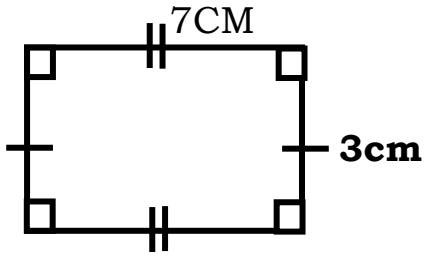
(b) Work out: $231_{five} + 122_{five}$

(02 marks)

(c) Find the sun of the first five whole numbers.

(01 mark)

23. Study the figure below.



(a) Calculate the perimeter *(03 marks)*

(b) Work out it's area

(02 marks)

(c) Name the figure above. *(01 mark)*

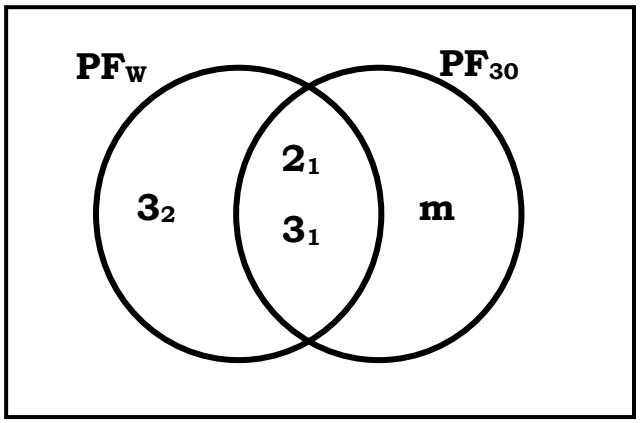
24. Given the numeral 72436;

(a) Expand the above numeral using values.

(02 marks)

(b) Calculate the difference between the value of 2 and the place value of 3 in the above numeral. *(03 marks)*

25. Study the Venn diagram below and use it to answer the questions that follow. (*01 mark each)*



(a) Find the value of;

(i) m (ii) w

(b) Work out the LCM of PF_W and PF_{30}.

(C) Calculate the GCF of PF_W and PF_{30}.

26. In a class of 45 pupils, $\frac{2}{7}$. of them are boys and the rest are girls.

(a) Find the fraction of girls. *(01mark)*

(b) How many more girls than boys are in the class?

(03 marks)

27. Given that a = 2, b = 3, and c = 4 . Find:

(a) a b c. *(02 marks)*

(b) 2 b - c

(02 marks)

(c) a - b + c

(02 marks)

28. Complete the statement using + , __ , x , ÷

3 _____ 2 = 6

2 _____ 3 = 5

18 _____ 6 = 12

18 _____ 3 = 6

(01mark each)

29. (a) Draw a line segment of 4.5cm.

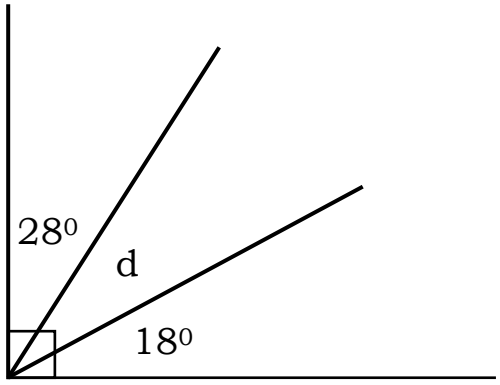
(01mark)

(b) Use a ruler, a sharp pencil and a pair of compasses only, Construct an equilateral triangle X Y Z of sides 4cm.

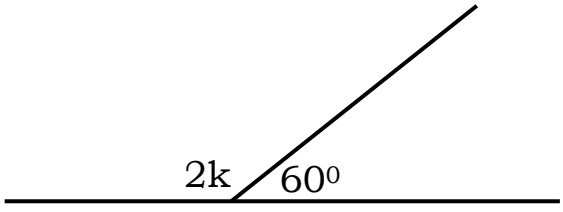
(04 marks each)

30. Find the value of the unknown in the following figures.
(02 marks)

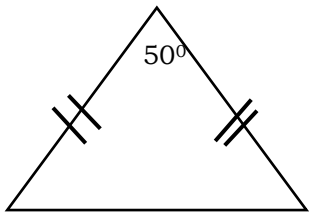
(a)



(b)



(c)



31. Jib went to Nakalyango supermarket and bought the following

2 ¼ kg of beans at shs. 4,000/= per kg.

1 ½ kg of salt at shs. 2,000/= per kg.

3kg of suar at shs. 12,000/=.

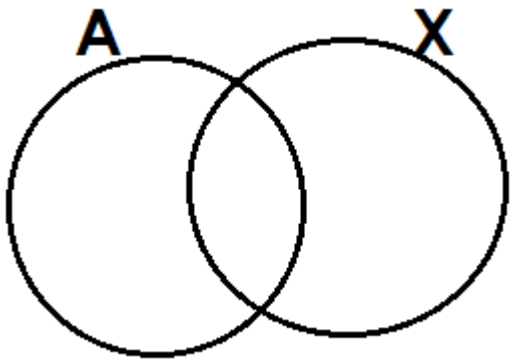
a half litre of cooking oil at sh.10,000/= per litre.

(a) How mud did he spend altogether?
(*04 marks)*

(b) If he had a Shs 50,000 note, calculate his change.
(01 mark)

32. If A = { b, r, e, a, d } and X = { a, e, i, o, u }.

(a) Show the above sets on the Venn diagram below. *(03 marks)*



(b) Find :

(i) A - X *(01 mark)*

(ii) n(X u A) *(01 marks)*

END