

ZAMSA JUNIOR SCHOOL – KALAGI

BEGINNING OF TERM 1 ASSESSMENT

PRIMARY SIX

MATHEMATICS

2025

Time allowed: 2 hours 30 minutes

Pupil's Name:.....

School's Name:.....

Read these instructions carefully

1. This paper has **two** sections **A** and **B**.
Section **A** has **20** questions **40** marks and
section **B** has **12** questions **60** marks. The
paper has **15** printed pages.
2. Answer **all** questions. **All** answers to both
sections A and B must be shown in the
spaces provided.
3. All answers **must** be written using a **blue**
or **black** ball point pen or ink. Any answer
written in pencils other than on graphs and
diagrams will **not** be marked.
4. Unnecessary **changes** in your work and
handwriting that cannot be read easily may
lead to **loss of marks**.
5. Do not fill anything in the table indicated: "**FOR
EXAMINERS' USE ONLY**"

FOR EXAMINER'S USE ONLY

QN. NO.	MARKS	EX'ER'S INITIAL
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26		
27 - 28		
29 - 30		
31 - 32		
TOTAL		

Turn Over

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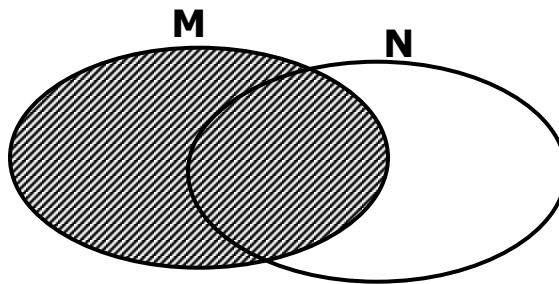
SECTION A: 40 MARKS

Answer **all** the questions in this section.

Each question in this section carries **two** marks.

1. Work out: $462 + 28$

2. Describe the shaded part in the Venn diagram below.




3. Write **XCV** in Hindu Arabic numerals.

4. Given the figure **4,095**. Write it in words.

5. Simplify: $-4 + +7$

6. Convert $3\frac{2}{5}$ to improper fraction.

7. Simplify: $9f + g - f + 7g$

8. If  represents **5** cones. Draw pictos to represent **45** cones.

9. A rectangular flower garden measures **8m** by **6m**. Calculate its area.

10. With the help of a ruler, a sharp pencil and a protractor only, draw an angle of **120°**.
11. Given that set **T** = {**first three prime numbers**}. List all the subsets in set **T**.
12. Round off **5,094** to the nearest tens.
13. Find the sum of the next two numbers in the sequence below.
1, 3, 6, 10, 15,,

14. Simplify: $\frac{2}{3} - \frac{1}{4}$

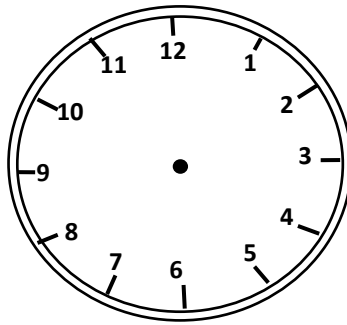
15. Work out: 845×22

16. Express **204five** as a base ten numeral.

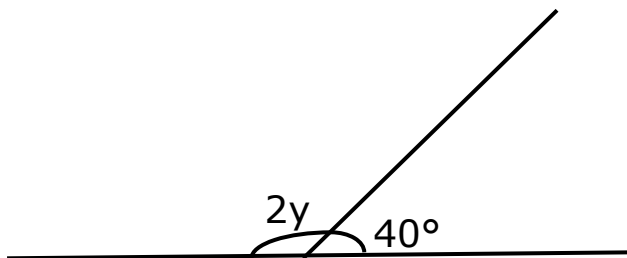
17. What is the **LCM** of **8** and **12**?

18. A trader sold a T-shirt at **shs 8,000** making a profit of **shs 1,200**. At what price did the trader buy the T-shirt?

19. Show **a quarter** to **5** O'clock on the clock face below.



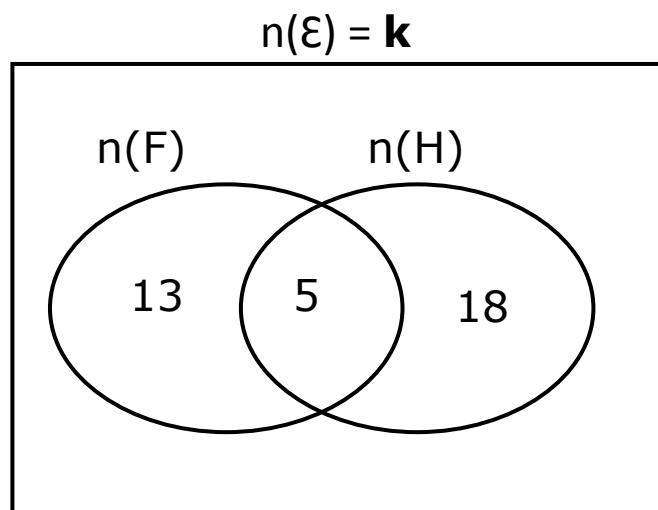
20. Find the size of the angle marked **y** in the diagram below.



SECTION B: 60 MARKS

Answer **all** the questions in this section.
Marks for each question are indicated in the brackets.

21. The Venn diagram below shows the number of members who like farming (**F**) and hunting (**H**). Study it and use it to answer the questions that follow.



(a) How many members like farming? (2 marks)

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

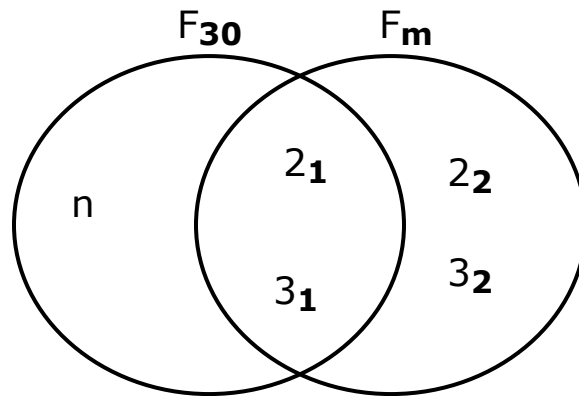
22. Given the numeral **84735**;

(a) Write the above numeral in expanded form using values. (2 marks)

(b) Find the sum of the value of **8** and the place value of **7** in the numeral above. (2 marks)

(c) Write the above numeral in words. (2 marks)

23. The Venn diagram below shows the prime factors of **m** and **30**. Study it and use it to answer the questions that follow.



- (a) Find the value of;
(i) **m**

(1 mark)

- (ii) **n**

(2 marks)

- (b) Work out the **GCF** of **30** and **m**.

(1 mark)

(c) Calculate the **LCM** of **30** and **m**. (2 marks)

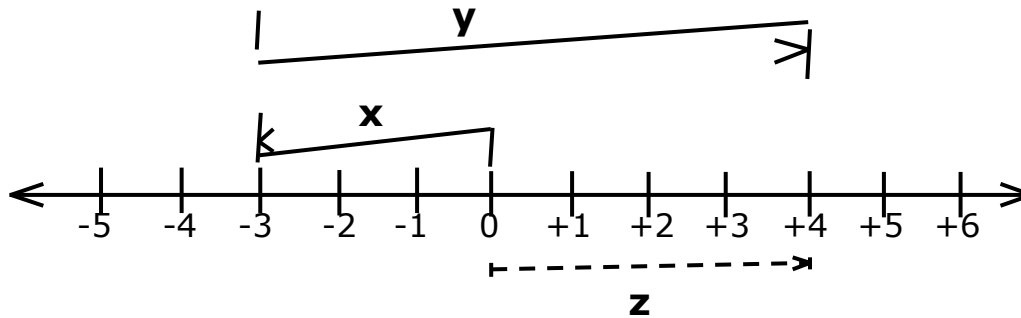
24. In a meeting attended by **427** people, $\frac{4}{7}$ of them were males and the rest were females.

(a) What was the fraction of the females? (1 mark)

(b) How many males attended the meeting? (2 marks)

(c) How many more males than females attended the meeting? (2 marks)

25. Study the number line below and use it to answer the questions that follow.



- (a) Name the integers marked with letters;

(i) **Y** (1 mark)

(ii) **X** (1 mark)

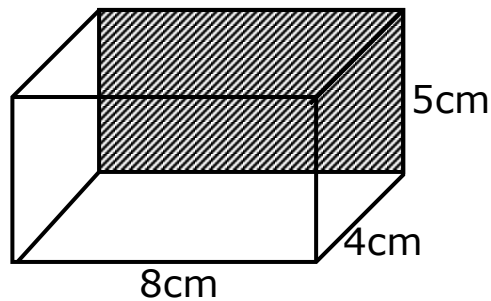
(iii) **Z** (1 mark)

- (b) Write the mathematical sentence for the above number line. (2 marks)

26. (a) A lorry travelled at a speed of **70km/hr** for **2 hours** from town **A** to town **B**. Find the distance between the two towns.

- b) A class meeting begun at **2:00p.m** and ended at **3:45p.m**. How long did the meeting last? (2 marks)

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



- (a) Find the number of;
- (i) Faces (1 mark)
 - (ii) Edges (1 mark)
 - (iii) Vertices (1 mark)
- (b) Find the area of the shaded part. (1 mark)

(c) Calculate its volume. (2 marks)

28. Kaatu went to a market and bought the following items.

2kg of rice at shs 3,400 per kg
3 books at shs 2,500 each book
 $2\frac{1}{2}$ litres of milk at shs 2,250
500g of salt at shs 1,200 per kg

(a) Find Kaatu's total expenditure. (4 marks)

(b) If he was given a change of **shs 2,850**, how much money did he have at first? (1 mark)

29. A P6 pupil scored the following marks in beginning of term one assessment.

Subject	ENG	SST	SCIE	RE	MTC
Marks	84	70	86	75	95

- (a) Find the modal mark. (1 mark)

- (b) Work out the median mark. (2 marks)

- (c) Calculate the average mark. (2 marks)

30. (a) Divide: $8 \overline{) 7272}$ (2 marks)

(c) Work out: $11 - 23 + 14$ (2 marks)

31. (a) If $a = 2$, $b = 3$, find the value of $4a + ab$. (2 marks)

(c) Solve: $3d + 5 = 11$ (2 marks)

- (d) Anitah is **9** years older than Jimmy. If Jimmy is **15** years old, find their total age. (2 marks)

32. Using a ruler, a sharp pencil and a pair of compasses only;

- (a) Construct an equilateral triangle **BED** where side **BE=6cm**. (4 marks)

(b) Measure the size of angle **B**.

(1 mark)

END