ZAMSA JUNIOR SCHOOL – KALAGI

BEGINNING OF TERM 1 ASSESSMENT

PRIMARY SEVEN

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

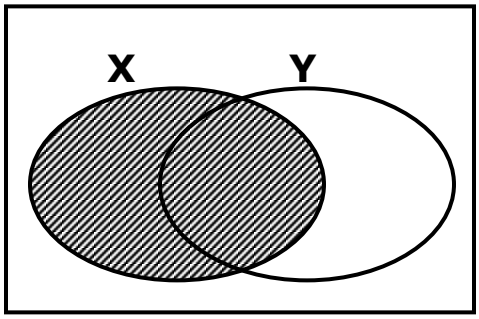
SECTION A: 40 MARKS

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

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

1. Work out: 441 + 34

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



3. What number has been expanded to give;
(7×10^3) + **(3×10^2)** + **(8×10^1)** + **(5×10^0)**?

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4. Find the sum of the next two numbers in the sequence below.
   2, 3, 5, 7, ……..

5. Subtract: $\frac{3}{7} - \frac{1}{3}$

6. The cost of **4** plates is **shs.6,000**. How much will Peter pay for **3** similar plates?

7. Using a ruler, a sharp pencil and a protractor only, draw an angle of **75°**.

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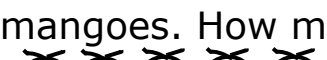
8. Simplify: $^{-}4 - {}^{+}6$

9. Solve: **2k + 7 = 13**

10. Given that  represents **18** mangoes. How many mangoes are represented by  ?

11. Work out: $\mathbf{211_{three} - 20_{three}}$

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12. Mukisa ended his journey at **mid day** which he started at **9:30a.m**. How long was the journey?

13. Given that set **M** = {**all prime numbers less than 10**}. Calculate the number of proper subsets in set **M**.

14. How many **half litre** bottles can fill a **20 litre** jerrycan?

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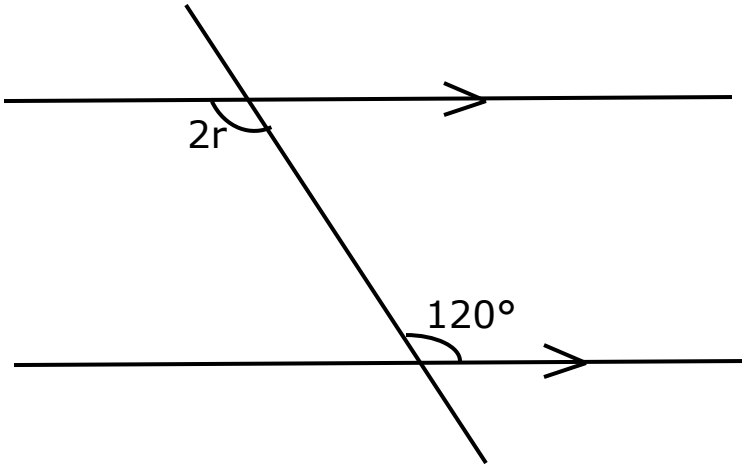
15. Find the value of **r** in the diagram below.



16. At a wedding party attended by **200** people, the ratio of adults to children was **5:3** respectively. How many children attended the party?

17. The mean of **2**, **7**, **10**, **n** and **8** is **6**. Find the value of **n**.

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18. Express **4000g** as kilograms.

19. Simplify: **3d + h – 2d – 5h**

20. Write **145** in Roman numerals.

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SECTION B: 60 MARKS

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

Marks for each question are indicated in the brackets.

21. (a) Using a ruler, a sharp pencil and a pair of compasses only, construct a triangle **ABC** where **AB = 7cm**, angle **ABC = 90°** and angle **BAC = 30°**. (4 marks)

(b) Measure the length of line **AC**. (1 mark)

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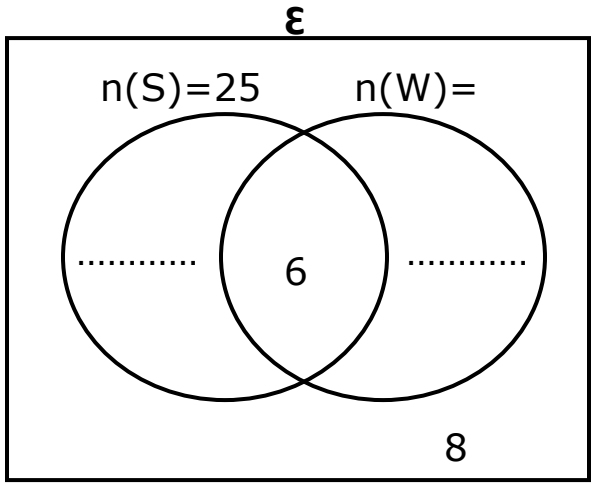
22. At a party, **25** guests took soda **(S)**, **6** guests took both soda and water **(W)**, **9** guests took water only while **8** guests took neither of the two drinks.

(a) Represent the above information on the Venn diagram below. (2 marks)



(b) Find the number of guests who took only one type of drink? (1 mark)

(c) Find the total number of guests who attended the party. (2 marks)

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23. A cyclist travelling at a speed of **40km/hr** took **3 hours** from town **A** to town **B**. He then continued to town **C** for a distance of **100km** in **2 hours**.

(a) How far is town **B** from town **A**? (2 marks)

(b) Calculate the motor cyclist's average speed for the whole journey. (3 marks)

24. (a) Work out: $\frac{1}{3}$ of 36 – 15 ÷ 3 (2 marks)

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(c) Simplify: $\frac{\mathbf{0.042 \times 0.06}}{\mathbf{7 \times 0.12}}$ (3 marks)

25. Given the numeral **948.56**;

(a) Find the value of **6** in the above numeral. (2 marks)

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

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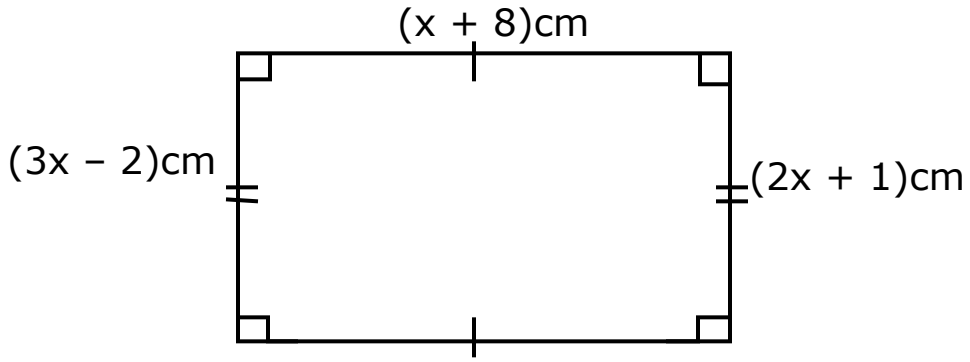
26. Study the figure below and use it to answer the questions that follow.



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

(b) Calculate the area of the above figure. (3 marks)

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27. In a school of **720** students, $\frac{3}{5}$ of them are girls and the rest are boys.

(a) How many girls are in the school? (2 marks)

(b) Find the fraction of the boys. (1 mark)

(c) How many more girls are there than the boys in the school? (2 marks)

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28. A man deposited **shs 500,000** in a bank which offers a simple interest rate of **8%** per annum for **3 years**.

(a) How much interest did he get? (2 marks)

(b) Calculate the amount of money he got after three years. (2 marks)

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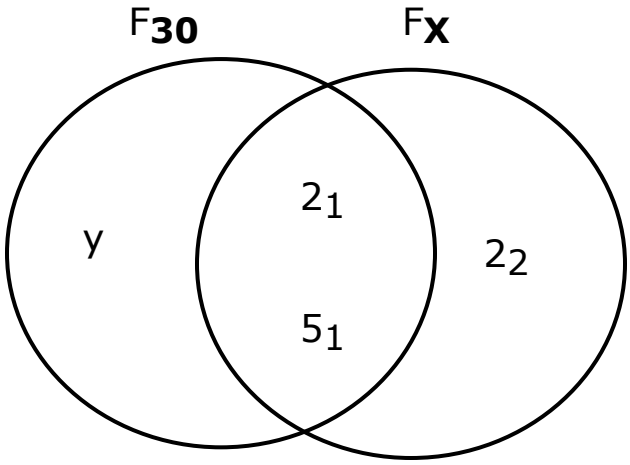
29. The Venn diagram below shows the prime factors of **30** and **x**. Study it and use it to answer the questions that follow.



(a) Find the value of **x**. (1 mark)

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

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(c) Work out the **GCF** of **30** and **x**. (1 mark)

(d) Calculate the **LCM** of **30** and **x**. (2 marks)

30. Shamsa was sent to a shop with **shs 50,000** and bought the following items.

4 litres of cooking oil at shs 5,000 each litre
$1\frac{1}{2}$kg of maize flour at shs 2,400 a kg
2kg of meat at shs 20,000
500g of sugar at shs 4,000 per kg

(a) Calculate Shamsa's total expenditure. (4 marks)

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(b) How much money did she remain with? (1 mark)

31. The table below shows the marks scored by **P.6** pupils in a mathematics test. Use it to answer the questions that follow.

Marks scored	80	70	60	90
Number of pupils	3	1	4	2

(a) How many pupils did the test? (1 mark)

(b) What was the modal mark? (1 mark)

(c) Find the range. (1 mark)

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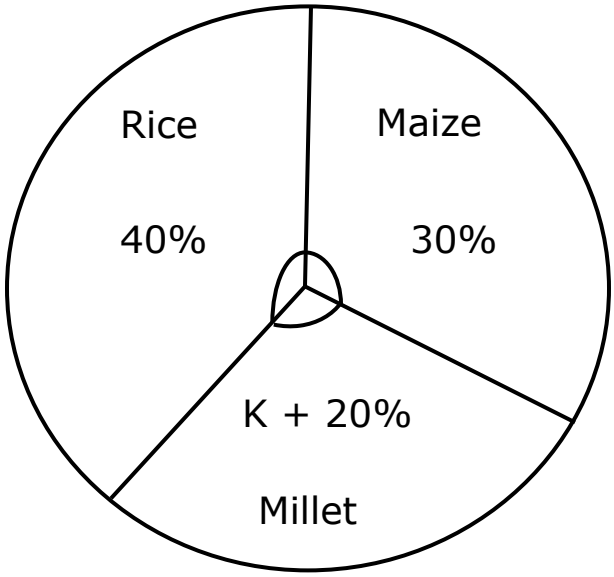
(d) Calculate the mean mark. (3 marks)

32. The pie chart below shows how a farmer harvested his crops in bags. Study it and use it to answer the questions that follow.



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

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(b) If the farmer harvested **500 bags** altogether, how many bags of millet did he harvest that season? (2 marks)

(c) Express the sector for rice as a fraction in its simplest term. (1 mark)

END

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