ZAMSA JUNIOR SCHOOL - KALAGI

BEGINNING OF TERM III EXAMINATION 2024

PRIMARY FIVE

MATHEMATICS

Time allowed: 2 hours 30 minutes

Name:..

School:..

Read the instructions below 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 answers to both sections **A** and **B** must be written in the spaces provided.
5. All answers must be written using a **blue** or **black** ball point pen or ink. Diagrams should be drawn in pencils.
6. Unnecessary crossing of work may lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do not fill anything in the boxes indicated "For examiner's use only."

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

TURN OVER

1

SECTION A: 40 MARKS
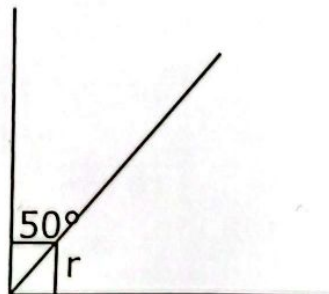
Answer all questions in this Section
Questions **1** to **20** carry two marks each.

1. Work out: 73 + 27

2. Simplify: 2m + 3n +3m + n

3. What is the value of 2 in the number 78,205?
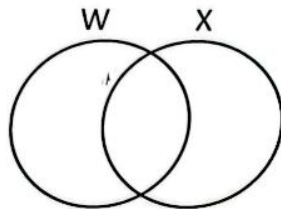
4. Find the size of angle r in the figure below.

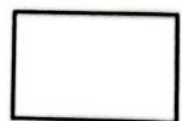5. Convert 8km to metres.

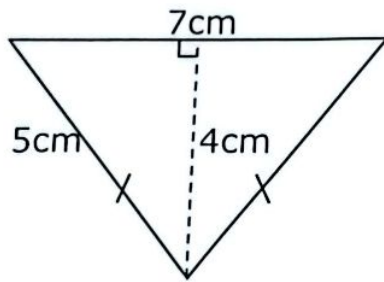6. Subtract: $\frac{4}{7} - \frac{1}{7}$

7. In the figure below, shade W-X.

W   X

8. Find the sum of the next number in the sequence.
2, 3, 5, 7, ..., ...

9. Use <, > or = to complete the statement below.
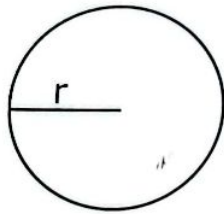500cm.................2m

10. Using a ruler, a pencil and a pair of compasses only, construct an angle of 60°

11. Calculate the distance around the figure below.

12. If the diameter of the circle below is 20cm. Find r.

13. Given that ⊕ represents 6 balls. How many balls are represented by ⊕⊕⊕⊕ ?

14. Anitah was given sh. 10,000 as pocket money. She used sh. 3,200 to buy a tin of blue band. How much did she remain with?

15. Work out:

weeks	Days
4	2
+ 5	5

16. Write 59 in Roman numerals.

17. Add: $1\ 3\ 2_{five}$
          $+\ 2\ 0\ 4_{five}$
          _____

18. How many lines of folding symmetry has the figure below?

....
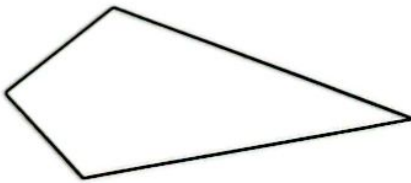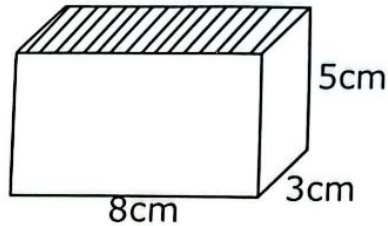
19. Work out: 6 – 10 + 12

20. Malibbu was born in 2004. Write the year she was born in words.
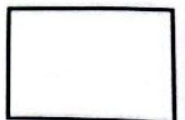
SECTION B: 60 MARKS

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

21. The figure below is a cuboid. Use it to answer the questions that follow.

(a) Find the number of faces. (1 mark)

(b) Calculate the area of the shaded part. (2 marks)

(c) Work out its volume. (2 marks)

22. In a class of **80** pupils, $\frac{3}{5}$ of them are girls and the rest are boys.

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

6

(b)   How many boys are in the class?   (2 marks)

(c)   How many girls are in the class?   (2 marks)

23.   Study the magic square below and complete it correctly.

8	3	4
n	5	m
p	k	2

(a)   What is the magic sum?   (1 mark)

(b)   Find the value of:

(i)   P   (1 mark)

(i)   m   (1 mark)

7

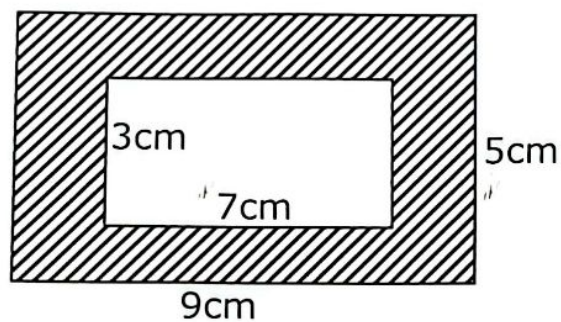(ii)   k   (1 mark)

(iii)   n   (1 mark)

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

(a)   Find the area of the outer rectangle.   (2 marks)

(b)   Find the area of the inner rectangle.   (2 marks)

(c)   Calculate the area of the shaded part.   (1 mark)

8

25. (a) Add: $\frac{3}{8} + \frac{1}{4}$ (2 marks)
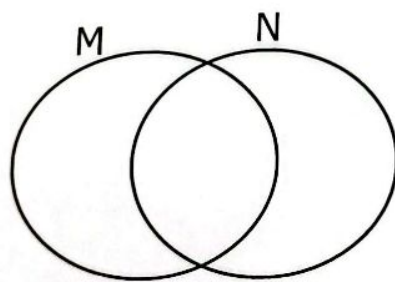
(c) Subtract: $\frac{3}{4} - \frac{1}{4}$ (2 marks)

(d) What is $\frac{1}{5}$ of 20?   (2 marks)

26. Given that set M= {2, 4, 6, 8} and N= {1, 2, 3, 4, 5}.
   (a) Represent the above information on the Venn
       diagram below.   (3 marks)

   (b) Find n(M∩N)   (1 mark)

(c)   Find n(M)   (1 mark)
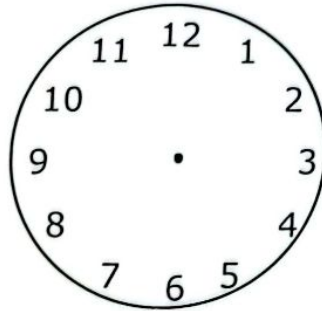
27.   (a) Show a quarter to 10 O'clock on the clock face
      below.   (2 marks)

(b) Change 5 hours to minutes.   (2 marks)

28.   Norah went to Kalerwe market and bought the
      following items.
         1kg of meat at sh. 10,000
         2kg of beans at sh. 3,000 per kg
         1 tin of blue band at sh. 2,500

   (a)   How much did she pay for the beans?   (2 marks)

   (b)   Find her total expenditure.   (2 marks)

(c)   If she had sh. 20,000 at first. What was her change?

(2 marks)

29.   Given the digits 7, 3, 4, and 2.
   (a)   Form the largest number using the above digits.

(1 mark)

   (b)   What is the difference between the first digit and the last digit in the number formed in (b) above?

(2 marks)

   (c)   Expand the smallest number formed from the digits above, using values.

(2 marks)

30.   Solve the following equations.
   (a) $X + 7 = 2$

(2 marks)

   (b) $P - 10 = 15$

(2 marks)

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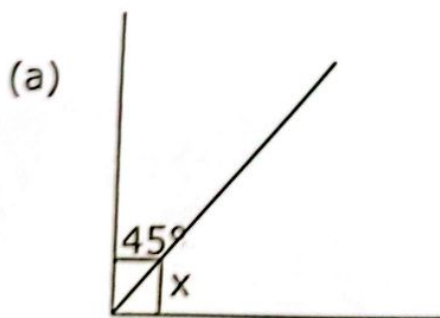(c)   Simplify: 4.5 · 2   (1 mark)

31.   Using a pencil, a ruler and a pair of compasses only,
      construct a regular hexagon in a circle of radius 4cm.

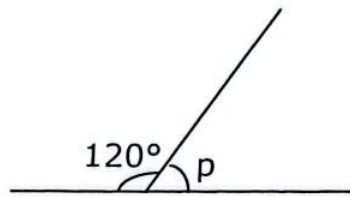   (5 marks)

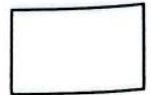32.   Find the values of the unknown angles in each of the
      figures below.

(a)   (2 marks)

45°

x

(b)

120° p

(2 marks)

END