HILLSIDE PRIMARY SCHOOL-NAALYA

MID – TERM TWO EXAMINATIONS

2023

MATHEMATICS (Set Three)

Time Allowed: 2 Hours 30 Minutes

Index No. | | | | | | | | | |

Candidate's Name: .....

Candidate's Signature: .....

EMIS No: ..... **Stream** .....

District: .....

Read the following instructions carefully:

1. The paper has **two** sections: **A** and **B**. Section A has 20 questions and Section B has 12 questions. This paper has **15 pages** printed altogether.

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

3. **All** working must be done using a **blue** or **black** ball point pen or ink. Any work done in pencil other than graphs and diagrams will **NOT** be marked.

4. **No calculators** are allowed in the examination room.

5. Unnecessary **changes** in work and handwriting that cannot easily read may lead to loss of marks.

6. Do not fill anything in boxes indicated: **"For Examiners' Use Only"** and the boxes inside the question paper.

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

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SECTION A: 40 MARK

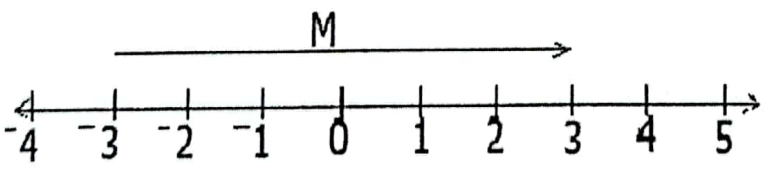
1. Divide 18 by 3

2. Write 1990 in words

3. Simplify: 5m + 3n−3m −2n

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

5. Write the integer represented the arrow **M** on the number line below



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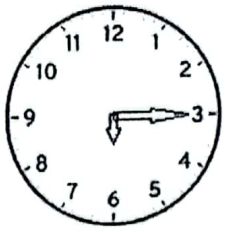
6. Tell the morning time shown by the clock face below



7. Draw a Venn diagram to show that XUY=Y

8. Solve for h: $2h + 6 = 4$

9. How many 200gram packets of salt can be packaged from a 25kg sack of salt?

10. Work out: $1101_{two} - 110_{two}$

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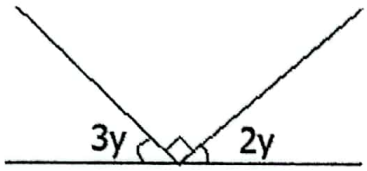
11. After covering $\frac{3}{4}$ of the journey, Mahumbo's car ran out of fuel having 18 km remaining. How long was the journey?

12. A lady bought a dress at sh. 30,000 and later sold it at sh.25000. Calculate her percentage loss.

13. Find the value of y in the diagram below:



14. Change 25m/s to km/hr

15. Find the highest number of children who can equally share 18 or 24 apples leaving no remainder.

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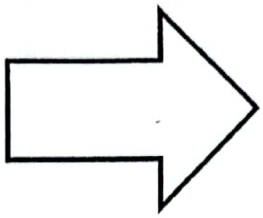
16. How many lines of folding symmetry does the shape below have?



17. Prove that 2020 was a leap year.

18. Given that represents 8 tins, draw pictures represent 40 tins.

19. Find the value of 5 in the number 28.57

20. Find the circumference of a semi-circle whose diameter is 14 cm.

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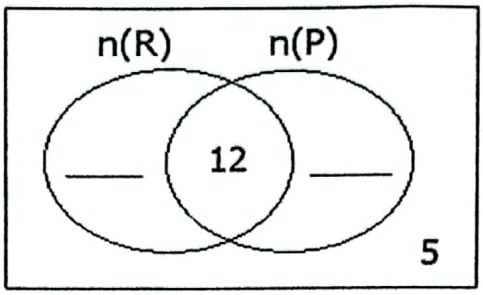
SECTION B: 60 MARKS

21. In a group of children, 25 prefer rice (R), 15 children prefer posho (P) only, 12 children prefer both rice and posho while 5 children like none of the above. Use it to answer the questions that follow.

(2 marks)



a) How many children prefer posho? (2 marks)

b) How many don't like rice? (2 marks)

22. The interior angle of a regular polygon is 100^0 more than the exterior angle.

a) Find the exterior angle (3 marks)

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b) How many sides has the polygon? (2 marks)

23. Add :

	Hrs	min
	4	45
+	2	25

b) Subtract:

	Kg	grams
	5	600
-	2	800

24. a) solve: $3h^2 = 75$ (3 marks)

c) A mother is 36 years old and the daughter is 12 years old now. In how many years' time shall the mother be five times as old as the daughter? (3 marks)

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25. In a group of 2400 spectators who were watching a football match, $\frac{2}{3}$ were males and the rest were females.

a) Find the fraction of females in the group. (2 marks)

b) How many more male spectators than females were there? (3 marks)

26. A teacher marked a 20 questions test by awarding 5 marks for a correct answer and deducting 2 marks for every wrong answer.

a) If Kanyankole failed two questions, how many marks was he awarded? (2 marks)

b) Find the total number of questions passed by Zizu if he scored 44 marks. (2 marks)

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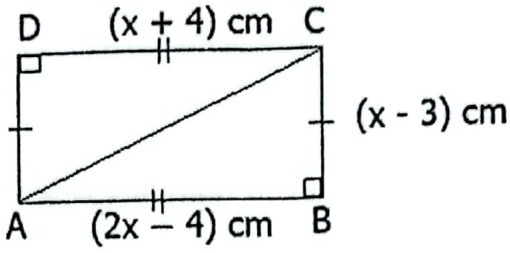
27. a) The figure below is a quadrilateral. Study it and use it to answer the questions that follow:



a) Find the value of x (2 marks)

b) Find the length AC (2 marks)

c) Calculate the area of ABC (2 marks)

28. Amoit and Atekit saved shs. 80,000 and shs. 120,000 for the trip respectively.

a) How much more money did Atekit save than Amoit? (2 marks)

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b) Find the ratio of Atekit's savings to Amoit's savings. (2 marks)

29. The sum of three consecutive even numbers is 54. If the second number is k,

a) Find the numbers. (4 marks)

b) Calculate the sum of the first and second numbers. (1 mark)

30. A taxi left Mityana at 11:00 am heading straight to Kasese, 245 km away. If it reached Kasese at 2:30 pm, calculate the taxi's average speed for the whole journey. (4 marks)

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31. Complete Patrick's shopping bill below with the correct information.

ITEM	QUANTITY	UNIT PRICE	AMOUNT
Oranges	15 Oranges	Shs. 500 each	Shs. .....
Rice	4 kg	Shs.....a kg	Shs. 12000
Milk	$1\frac{1}{2}$ litres	Shs. 1200 a litre	Shs. .....
Salt	.....grams	Shs. 1000 @ kg	Shs. 500
TOTAL EXPENDITURE			Shs. .....

(5 marks)

c) If Patrick was given a discount of shs.1800, how much money did he pay? (1 mark)

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32. The table below shows the goals scored and goals against by the top 4 teams in the premier league after 4 games. Study it and use it to answer the questions that follow:

Teams	Games played	Goals scored	Goals against
Man U	4	20	5
Arsenal	4	23	8
Chelsea	4	15	6
Liverpool	4	18	9

a) Which team scored the highest number of goals? (1 mark)

b) Find the difference between the number of goals scored for and against Man U. (2 mark)

c) Find the average number of goals scored by all the 4 teams. (2 marks)

END

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