BRAIN STORM EDUCATI

SET III TERM TWO EXAMIN Time allowed: 2HOURS: 15 N MATHEMA

EMIS	
PERSONAL No.	

CANDIDATE'S NAME:

CANDIDATE'S SIGNATURE:

RANDOM NUMBER:

OPEN THIS BOOKLET UNTIL

carefully. the following instructions

- This paper is made up of two sections: A and B
- Answers to both sections must be written in the spaces provided in full sentences.
- S Section A has 40 questions (40 marks)
- Section B has 15 questions (60 marks)
- the spaces provided Attempt ALL questions. All answers to both Sections A and B MUST be written in
- graphs work must be done in pencil ALL answers must be written in blue or Black ball point or ink. Only diagrams And
- Crossing of answers will lead to loss of marks
- 00 any handwriting that cannot be easily read
- lead to loss of marks.

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47-49	44-46	41-43	31-40	21-30	11-20	1-10	QN.NO.
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5cm 7cm 7cm	9. A wire is What is t	7. Solve the inequality. $2(4 + y) < 18$	5. Shade the complement of set PnQ.	3. Write 840,017 in words	1. Workout: 56 + 23 ==
2024/07/11 08:52	10. Given that $32_k = 110_{four}$. Find the value of k.	8. The area of a square flower garden is 196m². Find the length of each side.	6. Shanitah had 15 pens in a bag. If 9 pens were red and the rest were black. What is the probability of picking a black pen at random?	4. Find the next number in the sequence. 12, 9, 6, 3,	2. Simplify: 4y + y - 3y

763	17. Joyce ate lunch at the time shown below. Express this time in 24 Hour clock notation 11 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15. Find the number which has been expanded below. (2x10²) + (7x10¹)	13. A regular polygon has 16 right angles. How many sides has the polygon?	and spent 1/4 of it. What fraction
2024	18. Workout: 14 ÷ 2 15 5 4/07/11 08:52	16. Ojok bought 30 books at sh. 6000 per dozen. How much did he spend?	14. Hakim is thrice as old as Aisha. Their total age is 52 years. How old is Aisha?	12. Write the mathematical statement represented on the number line below. 11-10-9-8-76-5-4-3-2-101

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9. Nyapendi has goats and sheep in the ratio of 3:2. If he has 24 goats, how many sheep does she have?

she is 24, find the second number.

ECTION B

grow both crops while 3y omplete the Venn diagram a village of 49 farmers, neither rice of the two

 $n(\varepsilon) = 49$

b). Find the value of y.

(3mks)

2mks)

1mk)

(2mks)

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by with are as a product of its prime numbers

(2mks)

nght following items

Rice Item Meat Cooking 0. Quantity 38 2000 00 0 per kg CO CONTRACTOR sh.

a). Complete the above shopping table.

(4mks)

(2mks)

30

How

lady Was and deducted one questions, for every (3mks) got

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(3mks)

31. The total mass of tins of honey in a box is 3.25kg. The mass of each tir 250g. find the number of tins in the box. (4m		30. Given that $x = 3y$ and $y = 5$. Find the value of; i). $2y + 6x$ (3)	29. A cylindrical tank of diameter 70cm contains water to a height of 100cm Find the amount of water the tank contains in litres. (4	b). How old is the son?	28. Susan has two children, a son and a daughter. If the son is half her age, daughter is a third her age and the total age of the two children is 30 years). Find Susan's age. (3mks)	b). Calculate its perimeter. (4m
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