KAMPALA CAPITAL CITY AUTHORITY



DIRECTORATE OF EDUCATION AND SOCIAL SERVICES PRIMARY SEVEN MOCK EXAMINATION 2024

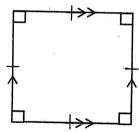
MATHEMATICS

TIME ALLOWED: 2 HOURS 15 MINUTES

INDEX NO.	EMIS No.	Personal No.				
CANDIDATE: EMIS No:	'S NAME: 'S SIGNATURE: 			(*************************************		
Read the fol	llowing instructions c	arefully.		The second se		
1. This paper A and B	is made up of two sect			44 44 44 4	AMINERS ONLY	
2. Section A	has 20 questions (40 m				MARKS	1
3. Section B	has 12 questions (60 m	arks)		1 - 6		- magazanta a magazanta persona pengalam a salah di sebenah pengalam di sebesah pengalam se
4. Answer AL	L questions in both sec	tions A and	3			
5. ALL answe	ers MUST be written in	Blue or Blac	K I	7 - 13	aginarion contrares	A Common or property of the Common of the Co
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loss of ma	rks.				1	
7. All diagrar		21 - 25	Books manacological control of the c	-		
8. Any handi	writing that cannot be e	asily read m	ay			
4	s of marks.			26 - 29		ng pikk
	any thing in the boxes miner's use only".	SHOWIL		30 - 32	Topico de la constantina del constantina de la constantina de la constantina de la constantina del constantina de la con	
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SECTION A (40 MARKS)

- 1. Workout: 12 + 17
- 2. Simplify: 2y + y + 3y
- 3. Express 1101_{two} to base ten.
- 4. How many lines of folding symmetry has the figure below.



5. Given that set **Q** has 8 subsets. Calculate the number of elements in set **Q**.

6. Work out the square root of 0.36.

7. What integer is five steps to the right of -3.

8. The mean of 9, 8, 6, 4 and x is 6, work out the value of x.

9. What morning time is shown on the clock face below?



10. Use distributive property to work out: $(8.5 \times 6) + (8.5 \times 14)$

- 11. Find the next number in the sequence:
 - 2, 3, 5, 7,

Using a ruler, pencil and a pair of compasses only construct an angle of 600 in 12. the space below.

62 poles were fixed along a straight road. The poles are fixed 5m apart. Work 13. out the length of the road.

What number has been expanded to give $(9 \times 10^2) + (7 \times 10^0) + (8 \times 10^{-1})$. 14.

Sh. 60,000 can buy only 5 books. How many similar books would Amos buy 15. with sh. 108,000?

Work out the smallest number of oranges that when divided amongst either o 16. boys or 6 girls leaves 5 oranges as the remainder.

Work out 8 + 8 ÷ 8 17.

Dept 4 Dom: 1805

NOZU deposited sh. 72, 000 in post bank that gives interest rate of 10% per year for a period of 1½ years. Calculate the interest NOZU will get in her account.

19. Ademuni was facing North-East and turned clockwise 135°. Which direction is she facing now?

20. Round off 39.96 to the nearest tenths.

SECTION B (60 MARKS)

- 21. Some children in primary six class scored the following marks in a test: 42, 35, 28, 40, 35 and 60.
- a) Work out the median mark.

(2 marks)

b) Calculate the mean score.

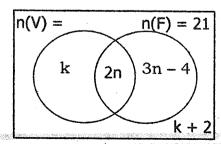
(2 marks)

Find the modal frequency.

(1 mark)

22. The Venn diagram represents a school team that went out for competition in Football (F) and Volleyball (V), Study it and answer the questions that follow.

$$n(\mathcal{E}) =$$



a):::::-	Find	the	value	of	n.
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(2 marks)

If 14 players did not play Football (F), work out the value of k. b).

(2 marks)

c) How many players went out for the competitions? (2 marks)

a) An assemble that lasted 45 minutes ended at 9:10am when did it start? 23. (2 marks)

Express 0720hrs in 12hr clock system. b)

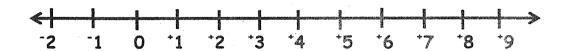
(1 mark)

c) A taxi moving at a speed of 120km per hour travelled for only 20 minutes.

What distance did the taxi cover? (2 marks)

24. a) Show 4 x 2 on the number line below.

(2 marks)



b) Find the solution set for the inequality: $20 \ge 3p + 5 \ge 11$ (3 marks)

25. a) Express 94 in Roman numerals.

b) Work out the product of the value of 2 and the place value of 7 in the number 8529.736.

26. A parent bought the items shown in the shopping bill below.

Work out and complete the bill.

(5 marks)

Item		Quantity	Unit cost	Amount		
Sugar		1 1/2 kg	Sh. 4,000			
Milk		litre	Sh. 2,000	Sh. 500		
Meat		3kg				
Rice	-	g	Sh. 4,000	Sh. 3,000		
Total				Sh. 54,500		

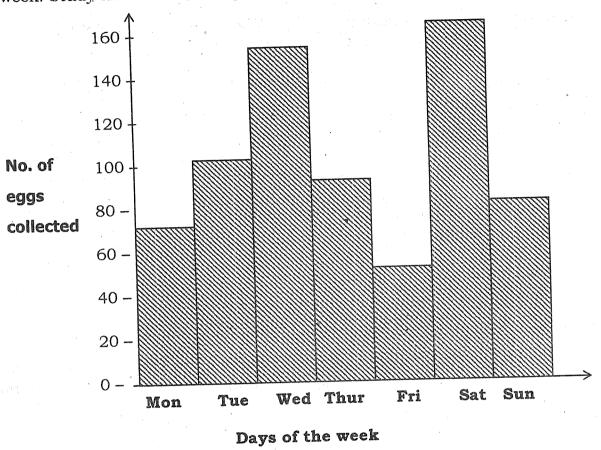
27. a) Using a ruler, pencil and a pair of compasses only construct a triangle ABC where $\overrightarrow{AB} = 6$ cm, angle $\overrightarrow{ABC} = 45^{\circ}$, $\overrightarrow{BC} = 7$ cm. (4 marks)

b) Measure angle BAC.

(1 mark)

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28. The graph below shows the number of eggs collected in Jojo's poultry farm in a week. Study and answer the questions.



a) How many eggs were collected on Thursday?

(1 mark)

- b) Which day had the highest fall in the number of eggs collected? (1 mark)
- c) Work out the average of the number of eggs collected in the last four days.

 (3 marks)

		work out			•				(2 marks)
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		•							(2 marks)
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30.	Jesca, Ja	acinta and	d Joan s	hared so	me bool	s in suc	ch a way	that Je	sca got 9
		~~III GO	LO DOOMS	s and Jo	an got 41	19% At th	e total bo	ooks sh	ared.
,	writer per	centage o	n nooks	did Jaci	nta get?				(3 marks)
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A tank is $\frac{4}{5}$ full of water, when 500 litres of water is drawned, the tank full of water. Calculate the capacity of the tank when full of becomes $\frac{2}{3}$ (4 marks) water.

A motorist travelled from town P to Q at a speed of 70km per hour. On the return journey, the motorist travelled at a speed of 50km per hour. The total time taken for the whole journey is 6 hours.

Find the distance from town P to Q.

(3 marks)

Calculate the time taken on the return journey.

