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2024								
THE KOLFRAM XAMINATIONS BOARD		Μ	IATH	EMATI	CS			
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	SECTION A:	(40	MARKS)
1	work out: 63 +27	2	Change 10010 <sub>two</sub> to be base ten
3	Arrange the following numbers beginning with the largest and ending with the smallest; 0.7070, 0.0707, 7.700, 7.070	4	A farmer has a roll of string 900 metres long. He cuts it into equal pieces, each 50 metres long. How many pieces does he get altogether?
5	Express Shs. 300 as a percentage of Shs. 1200.	6	Change 18km/hr to m/sec.
7	The average weight of 5 boys is 48kg. When a sixth boy joins them average weight becomes 45kg. What is the weight of the sixth boy?	8	Mr. Kawuuta banked 20000 sh. notes numbered from AP004300 to AP004399 consecutively. How much money did he bank?

9	Use the figure below to write the Mathematics statement shown.				
		ζ	● ▶		
	$-0 -5 -4 -5 -2 -1 0 1$ $4 - \frac{Z}{2} - \frac{1}{2}$	2	5 4 5 0		
10	The cost of 6 books is shs. 4,500/= How many books did Juma buy if he went shopping with shs. 12,000 and the shopkeeper is demanding him shs. 1,500 more?	11	The range of two numbers is 12. If the smaller number is 20, find the bigger number.		
12	A baby slept at 8:30 a.m. for $2\frac{1}{2}$ hrs.	13	Work out: Weeks Days		
	At what time did the baby wake up?		6 2 <u>- 4 5</u>		
14	If set R = {The first 8 whole numbers}	15	Factorize completely: 12 x y – 6		
	List down the members of set R.				

16	A school cook prepares 30kg of phoso to will the same phoso take to fed 100 childr	fee	d 60 learners in 20 days. How long
17	How many bottles of water each 0.5 litres can be filled from a water tank of 50 litres?	18	Describe the shaded region.
19	In the diagram below, <b>O</b> is the centre. Find the size of angle <b>y</b> .	20	Find the perimeter of the figure below. All angles are right angles.



23	Mr. Kalinda went to the bank and filled in the form below.								
		Bank of Baroda (Deposit form)							
		Denominations	Number of notes	Amount					
		Shs. 50000	5	Sh. 250,000					
		Shs. 20000	2	Sh. 40,000					
		Shs. 10000	(i)	Sh. 30,000					
		Sh. 5000	(ii)	(iii) Sh					
		Sh. 2000	(iv)	Sh. 20,000					
		Sh. 1000	10	Sh. 10,000					
	Total amount Sh. 400,0								
		(a) Complete the table. (1 mark each)							
24	(a)	Using a ruler, a penci ABCD with $\overline{DC}$ =	l and a pair of compasse = 6cm and angle ADC = 6	s only, construct a rhomb 0 <sup>0</sup> . <i>(4 mark</i> s)	ous )				
	(b)	Measure diagonal AC.		(1 mark)					

25	(a) Using	clear working	, complete	the f	freq	uen	cy table belo	ow. <i>(1 ma</i>	ark each)
		Marks	40				60	20	
		Frequency	2		1			1	
		Total			50		300		
						0-1			
	Work out th	ne range.	(1 mark)			Cal	culate the m	iean.	(2 marks)
26	(a) Solve:4	y - 6 = 12	- 2y		b)	Our	r Bursar is fo	our times as	old as his
		(2	2 marks)		son. 4 years ago, their total age was 42 years. How old is the son now?				
								(2)	marks)
27	Sarah and	Mariam share	d 72 mang	oes i	n th	e ra	atio of 7:5 re	spectively.	How many
	does each	get?				(3	3 marks)		



	How many layers will fill the big box?		(1 mark)
30	In a primary six class, 1/3 of the pupil pupils were present on Saturday. If 10 Saturday, how many pupils were in th	s wei ) mor e clas	re absent on Friday and 80% of the re pupils were absent on Friday than ss altogether? (4 Marks)
31	The mean of the scores 7, 10, 5, 4 and	d X is	8.
a)	Find the value of <b>X</b> . (2 marks)	b)	Work out the medium score. (2 marks)
C)	Find the probability that a score picked	l a ra	ndom is below the mean. (1 mark)
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**Game Over**