LIRA CITY ACADEMIC BOARD PLE-MOCK ASSESSMENT 2024



MATHEMATICS PAPER

Time Allowed: 2 hours 30 minutes



Candidate's	Name:	:							
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Signature	<u>: [01]</u>	K - N	S dom	Subt	.+	91	_District:	lagriculate de rai	D.o.
School:									

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO READ THE FOLLOWING INSTRUCTIONS CAREFULLY

- 1. The paper is made up of **two** sections: A & B.
- 2. Section A has 20 questions (40 marks)
- 3. Section B has 12 questions (60 marks)
- Answer ALL questions in both sections A & B
- All answers must be written in the spaces
 provided in BLUE or BLACK ink. Only
 diagrams should be drawn in pencil.
- Unnecessary crossing of work will lead to loss of marks.
- Poor handwriting, which cannot be easily read may lead to loss of marks.
- 8. Do not fill anything in the boxes shown

FOR EX	AMINERS	S' USE ONLY
QN. NO.	MARKS	EXAMINER'S INITIALS
1 - 5		
6 - 10		
11 - 15		1
16 - 20	and the same	0.5003
21 - 22		sequence
23 - 24		
25 - 26	11.79	
27 - 28		
29 - 30		
31 - 32		
TOTAL	A STATE OF THE STA	

ST. THOMAS PRIMARY SCHOO	L
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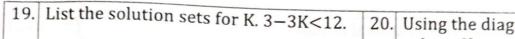
EADTEACHER P'O BOX 97, LIRA

1	SECTION A (4	40 m	arks)
1.	Work out: 404 ÷ 4	2.	Write "One hundred four thousandths in figures."
3.	Describe the unshaded part in the diagram below.	4.	Subtract: 2K- 4 from 6K-8.
	A B B		
5.	Find the next numbers in the sequence. $\frac{1}{2}, \frac{1}{4}, \frac{1}{8}, \frac{1}{16}, \dots$	6.	A meeting which started at 11:30am ended at 1:15pm. How long was the meeting?
			\$ X

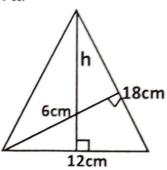
7.	Workout the median of $\frac{1}{2}$, $\frac{1}{12}$, $\frac{1}{6}$ and $\frac{1}{3}$.	8.	A pack of juice is 250ml. Find the total number of litres in 60 packs
			of juice.
			SUminutes Workloan his speed lear/lin
9.	In the diagram below, bisect an obtuse	10.	Mish and It is the
	angle.	10.	Without dividing, show that 468 is divisible by 6.
	Top of all nonexponents of P. 21 at	EIM AW	A department to game at add to the following to the following the follow
11.	Expand 216.148 using powers of 10.	12.	A man who died in 45AD was 65 years old. When was he born?
		219 6	

13.	Subtract 132 _{four} -33 _{four} .	14.	Round off 715.284 to the nearest whole number.
15.	A motorist covered 60km in 30minutes. Workout his speed in km/hr.	16.	At a forex bureau, 1ksh = ugsh.30 and 1US dollar = ugsh.3,900. A radio cost Ksh.5,200. Find the cost of the radio in US dollar.
	See 10. When the digit is show that 466	projes	in the dagram below bisect an angle
17	The bearing of Lira from Kwania is 130°. What is the bearing of Kwania from Lira?	18.	5kg of beans is eaten by 30 pupils in a day. How many pupils will eat 50kg of beans in a day?

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20. Using the diagram below, find the value of **h**.

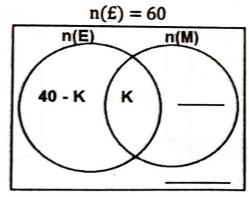


SECTION B (60 marks)

21. In a class of 60 pupils, 40 pupils like English (E). \(\frac{1}{4}\) of the pupils who like English like Mathematics only. K like both subjects and and (2K-10) do not like any of the two subsets.

a) Complete the venn diagram.

(2 marks)



b) Find the number of pupils who like none of the subjects.

(4marks)

22.	a) Express 2.66 as a ration	al number.	(3marks)
	Inox I		
b)	Evaluate: $\frac{0.24 \times 3.6}{0.12 + 0.36}$		(2marks)
			- 31 1-465 11 11
23.	Two tanks A and B below carry the of water. The area of shaded part of Find the diameter of tank B.	same amount of water f tank A is 154cm².	(4marks)
(ks)	of the subjects. (4,ma		

24. The middle number of three consecutive odd numbers is **K+1**. Find the numbers if their sum is 39.

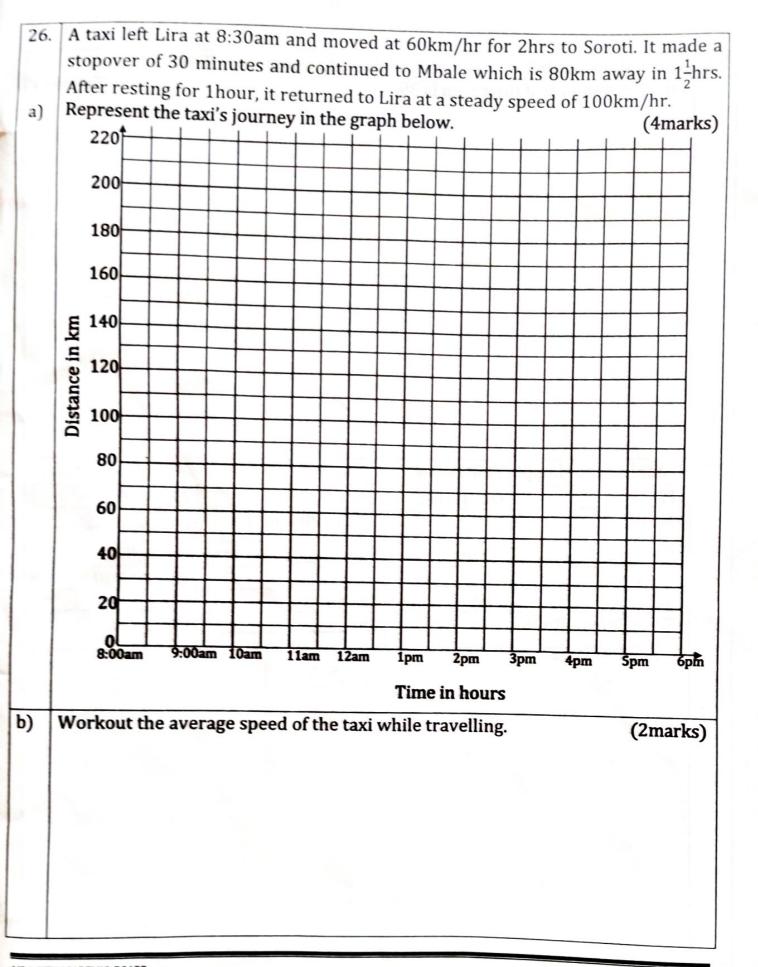
(5marks)

25. Complete the shopping bill below.

(1mark each)

ITEM	QUANTITY	UNIT COST	AMOUNT
Meat	$1\frac{1}{2}$ kg	Shs.12,000 per kg	- 00
Cooking oil	500ml	Shsper litre	Shs. 5,000
Sugar	kg		Shs. 13,500
Salt	2kg	Shs.4500	ShsS
Total Expenditure		Shs	Shs. 38.500

Vime in hours



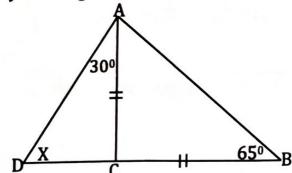
27.	a) Lira is 60km away from Kwania and on a direction of S30°E. Ome from Lira on a bearing of 080°. Using a scale of 1cm to represent make an accurate drawing showing the three towns.	oro is 80km 10km, (4marks)
(83)	mare an accurate drawing showing the three towns	
b)	Find the shortest distance between Kwania and Omoro.	(1mark)
0)		
28.	A wire of length 176m is wound round a circular tank 200times. Find the radius of the circular tank.	(4marks)
7.00	te diagrams below and the values of X. (3 man	

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29. A man spent $\frac{1}{4}$ of his salary on fees. a quarter of the remainder on food. $\frac{1}{3}$ of what is spent on food is used to pay medical bill and saved the rest. If shs. 450,000 is saved. How much is his salary? (5marks)



a)



(3marks)

b) (2marks) **45**0 A retailer was given a discount of 20% on an item whose marked price is 31. shs 250,000. He added 5% VAT and 10% for transportation. Calculate the marked price in the retailers' shop. a) (3marks) b) How much was the profit made by the retailer? (2marks)

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32.	The graph below show the number of pupils who were absent	t in a class of 50
	pupils during a period of one week in Adia Primary School.	
		N 19
	50-	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	40	
	40-	/
	30-	A
	20-	
		9.8
	10-	100
		A separate
1	MON TUE WED THUR FRI	d shs 250,00
(ES)	(2) Short to the relative salar of the salar	a) Calculate of
a)	When was attendance highest?	(1mark)
	B. College	(Illiai K)
1.		
b)	How many pupils were present on Monday?	(1mark)
c)	Workout the average attendance for the week.	(2)
	and the week.	(3marks)
		4 14
	was the profit made by the retailor? (2ma)	
(538)	ATS the bundled of and state of and state of any STA	b) How much
- 1		
13 70		5-40-
100		1
	MCOOD LUCIUS	
	GOOD LUCK	