LIRA CITY EXAMINATIONS BOARD **MOCK EXAMINATIONS 2023**

MATHEMATICS PAPER



	SCHOOL EMIS	PERSONAL NUMBER
INDEX No.		
CANDIDAT	E'S NAME:	

SCHOOL	VAME.	***************************************
DIVISION.		***************************************

Read the following instructions carefully

- This paper has two sections A and B
- All the working for both sections A and B must be shown in the spaces provided
- All working must be done using a blue 3 or black ball-point pen or fountain pen. Diagrams should be drawn in pencil.
- No calculators are allowed in the examination room.
- Unnecessary changes of work may lead 5. to loss of marks
- Any handwriting that cannot be easily read may lead to loss of marks.
- Do not fill any thing in the boxes indicated "For Examiners" Use only.

FOR EXAMINER'S USE ONLY			
QN NO.	MARKS	EXR'S NO.	
01-05	0	Titl.	
06-10			
11-15			
16-20			
21-22			
23-24			
25-26			
27-28		District of the last	
29-30		Can library to	
31-32			
TOTAL			

Work out: 239 109 2 4 01

SECTION "A" (40 MARKS) | | 6 | A mathematics lesson that started at 11:40am and ended at 1: 00pm. How long was the lesson? MATHEMATICS PAPER

Write "three thousand thirty one" in figures

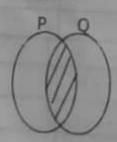
Evaluate 31/2 - 21/4 + 1/4

TAME ALLOWER 2 HOURS 30 MINUTES

Simplify: 3ab + 2a - ab- 6a + 3a 3.

A trader bought 10 litres of 8. cooking oil. He is to sell it in sackets of 250ml, How many sackets will he get?

Describe the unshaded part in the diagram below.

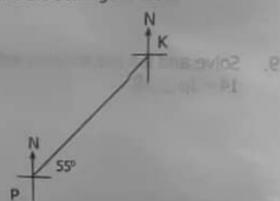


Using a ruler and a pencil, draw a line segment AB which is 7.5cm long.

A girl scored the following marks in 5. a series of tests: 60, 45, 50, 60, 75, 80, 60 and 70. What was her TECHO modal frequency?

POPEGo

- 10. Find the sum of frist 5 prime numbers | 15.
- Usain Bolt runs 100m in 10 seconds Express his speed in Km/hr.
 - 11. Expand 125.86 using powers of 10.
- 16. Find the bearing of P from K.



12. Simplify: -5 - 7.

Work out (72 ÷ 9) + (36 ÷ 9) using distributive properties

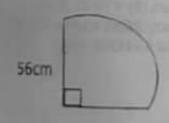
- 14. The mean of 14, 4a, 18 and 12 is 15. Find the value of a.
- 17. Given that 1ksh = Ugshs 35 and 1Us dollars (\$) = Ug sh. 3500, How many dollars would a phone bought at 45000Ksh cost?

1 4 1

18. There is enough food to last 20 days for 80 girls. How long will the same food last for 200 girls?

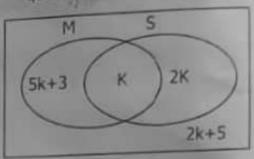
Solve and list the solution set for P.
 14 - 3p ≤ 38

 Workout the total distance around the figure below. (Take TI as



SECTION B

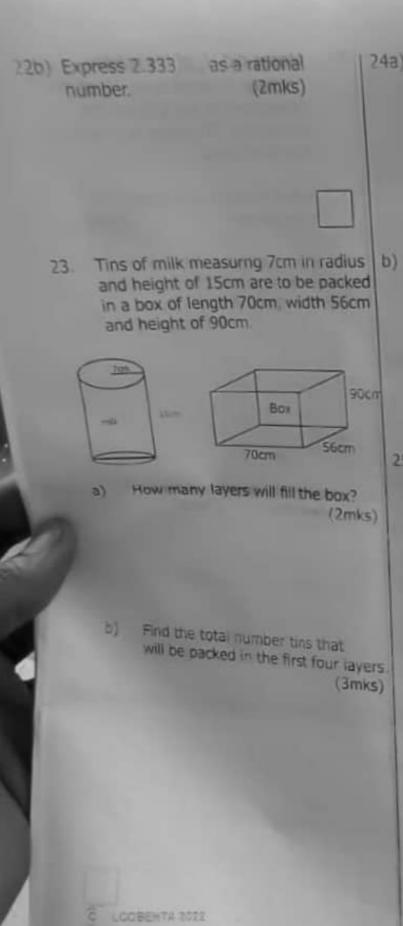
 The venn diagram below shows number of pupils who participated in mathematics contest (M) and spellling Bees (S). Use it to answer questions that follows.



If the number of pupils who participated in a competition is atleast thrice those who didnot participate in any. How many pupils participated in spelling Bee?

(5mks)

22a) Work out: 0.36 x 0.12 0.08 + 0.28 (3mks)



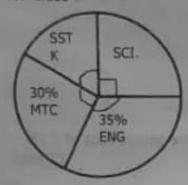
24a) Solve for nº 3th x 3 = 243 (3mks)

b) Find the square root of 0.25 (2mks)

25 A mother went to the market and bought the following items.
2kg of rice at shs. 4000 per kg
12 tomatoes at shs. 500 for every four tomatoes
2 litres of cooking oil at sh. 14,000.
5, Kg of beans at sh. 3,000 per kg
If she was given a discount of 10% and she used shs. 5000 for transport,
How much money did she returned with having gone with shs. 50000 note? (6mks)

A-VIII.

26. The pie-chart below shows the subjects preference by pupils in P.7 class



a) Find the value of K.

(2mks)

b) If 50 pupils like Science, How many pupils are in the class?

(3mks)

- 27. Moses did 1/5 of his holiday package in week one, 1/6 of the remainder in week 2 and the remaining 20 pages was done in the third week.
- a) What fraction was done in the third week? (2mks)

b) How many pages was done in week one? (3mks)

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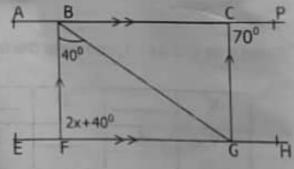
POP_{EG}

P.7 MTCS

- 28a) Using a ruler, a pencil and a pair of compasses only, construct a quadrilateral PQRS in which PQ = 10cm and QR = 5cm.

 Angle PQR = 120°. (4mks)
- 29. Mary is twice as old as his brother
 Peter and their father is twice mary
 and Peter's age combined. If this
 total age is 90 years, how old is
 each of them now? (5mks)

30. In the diagram below, AP is parallel to EH. Line FB is also paralle to GC. Study it and use it to answer questions that follows.



- b) Name the quadrilateral. (1mk)
- Find the value of X. (2mks)