



KARLMARX EDUCATION SERVICES

END OF TERM ONE EXAMINATIONS 2023

PRIMARY SEVEN

MATHEMATICS

Time allowed: 2 hours 30 minutes

Random No.						Personal No.		

Candidate's name:

Candidate's Signature:

District ID:

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Read the following instructions carefully:

1. Do not write your school or district name anywhere on this paper.
2. This paper has two sections A and B. Section A has 20 questions and section B has 12 questions.
3. Answer all questions. All the working for both sections A and B must be shown in the spaces provided.
4. All working must be done using a blue or black ball point pen or ink. Any work done in pencil other than graphs and diagrams will NOT be marked.
5. No calculators are allowed in the examination room.
6. Unnecessary changes in your work and handwriting that cannot be easily read may lead to loss of marks.
7. Do not fill anything in the table indicated
"For examiners' use only" and the boxes inside the question paper.

FOR EXAMINERS'		
USE ONLY		
Qn. No.	MARKS	EXR'S No.
1- 5		
6 -10		
11- 15		
16 – 20		
21 – 22		
23 – 24		
25 – 26		
27 – 28		
29 – 30		
31 – 32		
TOTAL		

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Turn Over

1. Subtract: 3 4 7

$$\begin{array}{r} 347 \\ - 123 \\ \hline \\ \hline \end{array}$$

2. Write 44,315 in words

3. If  = 10 pots, how many pots are

Represented by  ?

4. Simplify $5d + d - 2d$

5. Find the complement of 67°

6. Given that $A = \{g, o, a, t\}$ and $B = \{3, 6, 7, 10\}$
Describe the sets.

7. Our Headteacher speech took $3\frac{1}{2}$ hrs during Parent's meeting. How many minutes did the Headteacher take?

8. What number has been expanded to get:
 $30000 + 900 + 3$?

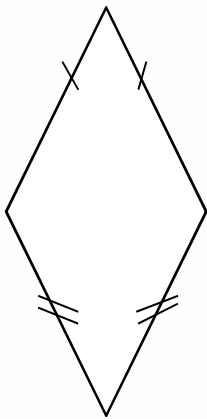
9. Add: $\frac{2}{3} + \frac{3}{4}$

10. Work out the mean of 9, 4, 0 and 7

11. Find the GCF of 6 and 8

12. Change 54 to base five

13. How many lines of folding symmetry
Has the figure below?



14. Round off 6739 to the nearest hundreds.

15. Expand 3845 using exponents.

16. Prime factorise 18 and write your answer
in subscript form.

18. The cost of 3 books is Shs. 15,000. what is the cost 5 similar books at the Same rate

19. Use $>$, $<$ or $=$ to complete the statement correctly

- 10 _____ +10

20. How many subjects are in a set of four elements?

SECTION B

21. Given digits 2, 5, 9 and 4.

(a) Write the largest numeral formed. (1 mark)

(b) What is the smallest numeral that can be formed? (1 mark)

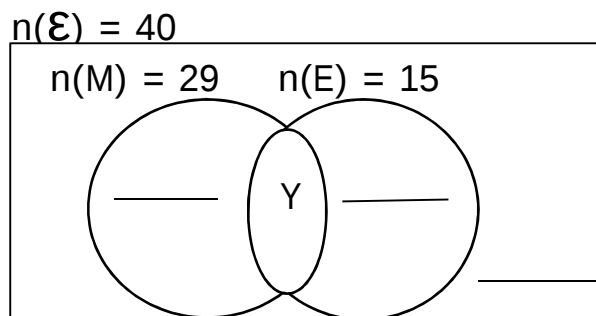
(c) Find the difference between the smallest and largest numeral formed. (2 marks)

22. Arrange $\frac{2}{5}$, $\frac{1}{2}$, $\frac{2}{3}$ in descending order

(4 marks)

23. In a class of 40 pupils, 29 like mathematics (M) 15 pupils like English (E), Y pupils like both subjects while 4 like neither of the two subjects.

(a) Use the above information to complete the venn diagram below



(3 marks)

(b) How many pupils like both subjects

(2 marks)

24(a). A mathematic lesson started at 8:00am and ended at 9:40am. How long was the lesson

(2marks)

(b) Find the speed needed for a motorist to cover a distance of 240km in 3 hours.

(2 marks)

(c) A lorry moved at a speed of 50km/hr for 3 hrs. Find the distance covered by the lorry. (2 marks)

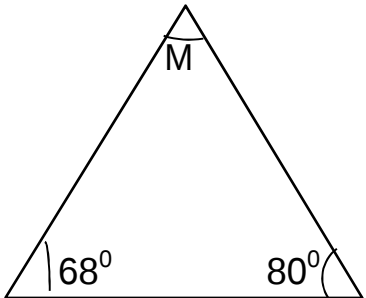
25. In a class of 30 pupils, $\frac{2}{3}$ are girls and the rest are boys.

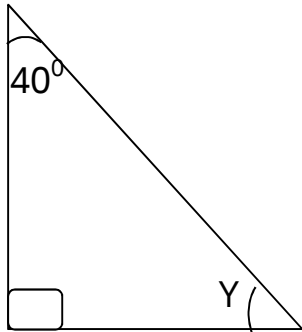
(a) What fraction of the class are boys? (1 mark)

(b) How many girls are in the class? (2 marks)

(c) How many more girls are there in the class than boys? (3 marks)

26. Find the size of the unknown angles below.

(a)  (2 marks)

(b)  (2 marks)

27. Kasadha went shopping in Namwendwa market and bought the following items for his mini introduction.

- 3kg of rice at sh. 4000 each
- 2 loaves of bread at sh. 7000 per loaf
- $2\frac{1}{2}$ kgs of salt at sh. 1000@kg
- 4kgs of sugar at sh. 5000 a kilo

(a) How much did Kasadha spend altogether on buying all the items shown above
(5 marks)

(b) If he went with sh.50,000 for shopping. What was his change
(1 mark)

28. Alex scored the following marks in mid term examinations
MTC = 94, ENG = 60, SCI = 78, SST = 68 and RE = 60

(a) Find his modal score. (1 mark)

(b) Find his range (2 marks)

(c) Calculate his average mark. (3 marks)

29. Write 231_{five} in words

(1 mark)

(b) Add: 203_{five}

$$\begin{array}{r} +112_{\text{five}} \\ \hline \hline \end{array}$$

(2 marks)

(c) Convert 213_{five} to denary base

(2 marks)

30. Given the numeral: 76, 895,

(a) Identify the number in the place value of hundreds.

(1 mark)

(b) Find the sum of the value of 6 and the value of 9 in the numeral above.

(3 marks)

(c) Write 95 in roman numerals

(2 marks)

31. (a) What number has been expanded to give $(6 \times 10^{-2}) + (3 \times 10^{-1}) + (4 \times 10^0)$?

(2 marks)

(b) Work out: 5 Hundreds + 7 ones

(2 marks)

(c) Draw an abacus and represent 4031

(2 marks)

32. Simplify the following

(i) $14 - 20 + 76$

(2 marks)

(ii) $16 + 24 \div 8 - 4$

(2 marks)

END