KARLMARX EDUCATION SERIVCES

BEGINNING OF TERM TWO EXAMINATIONS 2023

PRIMARY FIVE

MATHEMATICS

Time allowed: 2hrs 30min

Name: *……*

stream: *……*

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO

Read the following instructions carefully:

1. This paper has **two** Sections: **A** and **B**.
2. Section **A** has **20** questions (40 marks)
3. Section **B** has **12** questions (60 marks).
4. Answer **ALL** questions: All answers to both Sections **A** and **B** must be written in spaces provided in full sentences.
5. All answers must be written using a blue or black ballpoint pen or ink but not pencil. All work done in pencil except diagrams will **NOT** be marked.
6. Unnecessary alteration of work will lead to loss of marks.
7. Any handwriting that cannot be easily read, may lead to loss marks.

FOR EXAMINERS USE ONLY

FOR EXAMINERS' USE ONLY		
QN. NO.	**MARK**	**SIGN**
1 – 5		
6 - 10		
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26		
28 - 30		
31 - 32		
TOTAL		

1. Work out 31 + 25

2. Solve for t: t + 7=3

3. Write XLIV in Hindu Arabic numerals.

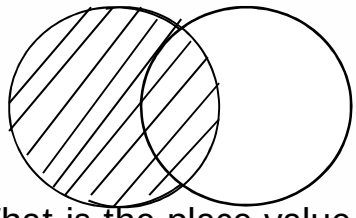
4. Find the sum of the first five even numbers.

5. Convert $3\frac{1}{16}$ into an improper fraction

6. Write 2023 in words

7. Describe the shaded region below.

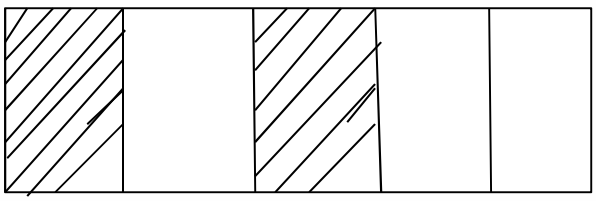
S T



8. Simplify: $\frac{4}{5} - \frac{2}{5}$

9. What is the place value of 8 in the number : 7826?

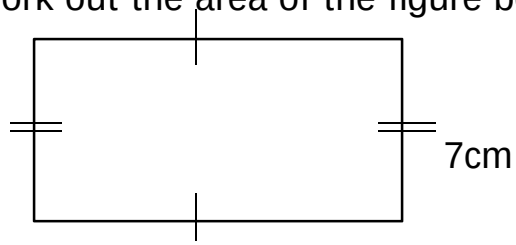
10. In the diagram below, write the unshaded fraction.



11. Joshua waited for a school van for 3 hours. For how long did he wait in minutes?

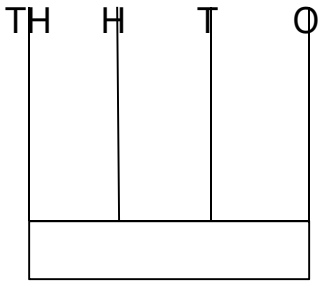
12. Change 72 kg to grams

13. Work out the area of the figure below.



14. Write 4861 in expanded form using values

15. Show 4203 on the abacus below.



16. Write down all the factors of 12.

17. Add:

$$\begin{array}{r} 4\ 1\ 2_{\text{five}} \\ +\ 2\ 2\ 4_{\text{five}} \\ \hline \\ \hline \end{array}$$

18. Find the Lowest Common Multiple of 4 and 6

19. Collect like terms:
5h + 2y + 2h + y.

20. Add:

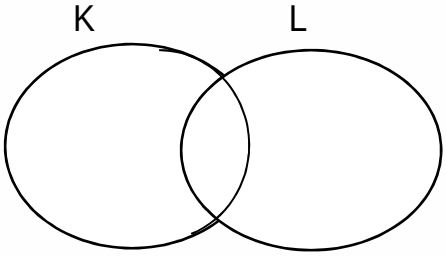
	HRS	MIN
	2	50
+	3	20

SECTION B

21. Given that K = {a, p, p, l, e, s} and

L = {m, a, n, g, o, e, s}.

(a) Represent the above information on the venn diagram below.



(3 marks)

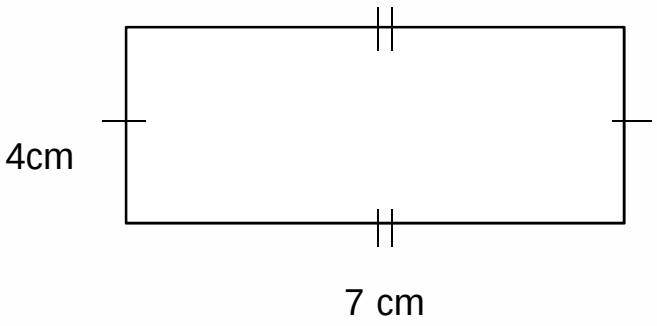
(b) Find (K U L)

(1 mark)

(c) Find n (KnL)

(2 marks)

22. (a) Find the perimeter of the figure below.



(2 marks)

(b) Work out its area.

(2 marks)

23. Collect like terms

(a) 3y + 2x t y + x

(2 marks)

(b) Fill in the missing number below

i. $\square$ + 9 = 23

(2 marks)

ii. 17 - $\square$ = 8

(2 marks)

24. Complete the magic square below by finding unknowns.

5	m	9
12	8	n
p	r	11

(5 marks)

25. (a) Find the product of the value of 3 and 4 in the numeral 93, 284

(3 marks)

(b) Expand 467 using place values.

(2 marks)

26. Given that p = 7, q = 8 and r =9, Find:

i. p + q + r

(2 marks)

ii. qr

(2 marks)

iii. 2q – p

(2 marks)

27. (a) Multiply: 2 0 6

X 2 1

(2 marks)

(b) Divide: 204 by 4

(2 marks)

28. (a) Change $\frac{27}{4}$ into a mixed fraction

(2 marks)

(b) Juliet ate $\frac{3}{7}$ of the bread on Monday. $\frac{1}{7}$ on Tuesday. What fraction of the bread Remained?

(3 marks)

29(a) Solve the equations;
P + 7 = 10

(2 marks)

(b) Ricky is 12 years old. His sister Juliet is 5 years older. Work out their total age.

(3 marks)

30(a) Subtract: $4\ 3\ 2_{five}$

$-\quad 2\ 1\ 1_{five}$

(2 marks)

(b) Write down all numerals that are used in base three.

(1 mark)

(c) Change 39_{ten} to base five

(2 marks)

31. Workout the following:

i) Add:

YEARS	MONTHS
2	5
+ 6	8

(2 marks)

ii) Subtract:

WKS	DAYS
7	4
- 4	5

(2 marks)

32. Use the digits, 4, 8 and 0 to answer the questions that follow.

(a) Form the largest 3 – digit numeral using the digits above. (1 mark)

(a) Form the smallest 3 – digit numeral using the digits above. (1 mark)

(b) Find the sum of the smallest and the largest numerals formed.

(3 marks)

END