

# THE PROLINE MID TERM II EXAMINATION 2023

SUBJECT : MATHEMATICS  
CLASS : PRIMARY FIVE  
DURATION : 2 hours 30 minutes

Name : \_\_\_\_\_

School : \_\_\_\_\_

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. Attempt all questions in both sections. All answers to both sections **A** and **B** must be written in the spaces provided.
5. All answers must be written in **blue** or **black** ball point pens or **ink**. Only diagrams and graph work must be done in pencil.
6. Unnecessary **alteration** of work will lead to loss of marks.
7. Any **handwriting** that cannot be easily read may lead to loss of marks.
8. Do not fill anything in the boxes indicated.

"FOR EXAMINER'S USE ONLY"

For examiner's use only

PAGES	MARKS	INITIALS
Page 1		
Page 2		
Page 3		
Page 4		
Page 5		
Page 6		
Page 7		
Total		

Please Turn over



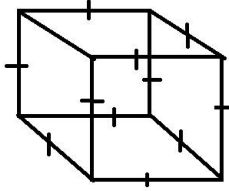
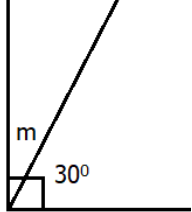
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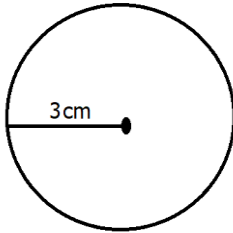
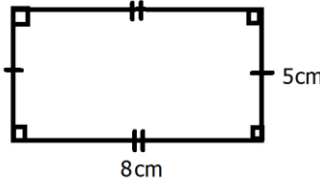
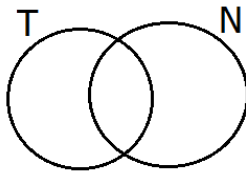
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# SECTION A : ( 40 MARKS )

Attempt **all** questions in this section  
Question **1** to **20** carry **two** marks each

1	Subtract: $9 - 4$	2	Write in 67,514 in words.
3	Name the shape drawn below 	4	Which number has been prime factorised to give $\{ 2_1, 2_2, 3_1 \}$ ?
5	Express $\frac{31}{6}$ as a mixed number.	6	Work out: $\begin{array}{r} 4 \text{ } 1_{\text{five}} \\ - 2 \text{ } 3_{\text{five}} \\ \hline \\ \hline \end{array}$
7	A bar of soap costs sh 4500. Amina bought 4 bars of soap. How much did she pay?	8	Find the value of <b>m</b> . 
9	Given that set <b>A</b> = { w, x, y, z, g } and set <b>B</b> = { y, e, k, x }. Find $n(A \cap B)$	10	Work out the sum of the third and fourth whole numbers.

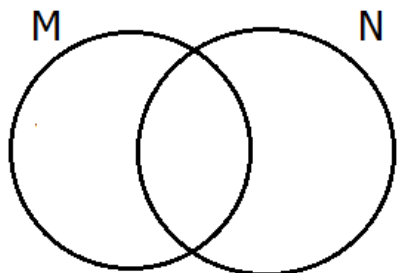
11	Find the value of 7 in 37489	12	In a school, there are 14 classrooms and each has 25 desks. Find the total number of desks in the whole school.										
13	List all the multiples of 4 less than 18.	14	The circle shown in the diagram below has a radius of 3 cm. Find the size of its diameter. 										
15	Write as a single number. $(6 \times 10^2) + (1 \times 10^1) + (7 \times 10^0)$	16	Work out: <table><tr><td>Hours</td><td>Minutes</td></tr><tr><td>7</td><td>22</td></tr><tr><td>- 1</td><td>52</td></tr><tr><td colspan="2"><hr/></td></tr><tr><td colspan="2"><hr/></td></tr></table>	Hours	Minutes	7	22	- 1	52	<hr/>		<hr/>	
Hours	Minutes												
7	22												
- 1	52												
<hr/>													
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17	Fill in the missing number <div><div></div> - 7 = 12</div>	18	Calculate the area of the figure below. 										
19	A Liverpool Football Club striker Mohamed Salah scored the total number of goal as shown in the tallies below. <i>### ### ### ////</i>  How many goals did he score altogether?	20	Shade set T – N on the Venn diagram below. 										

## SECTION B : ( 60 MARKS )

Attempt **all** questions in this section

Marks for **each part** of the question are indicated in the brackets

- 21 Given that set  $M = \{ 1, 3, 5, 7, 9, 11 \}$ , set  $N = \{ 2, 3, 5, 7, 11, 13 \}$   
 (a) Represent the above sets on the Venn diagram below.



( 03 marks )

(b) List elements of:

(i) **M** only ( 01 mark )

(ii) **M** ∪ **N** ( 02 marks )

- 22 Complete the table below. ( 02 marks each )

Hindu Arabic numerals	23	_____	34	_____
Roman numerals	XXIII	LV	_____	XLII

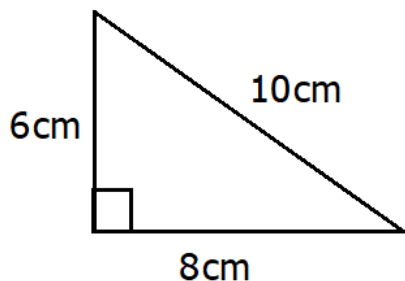
- 23 (a) Express **27**<sub>ten</sub> in base five. (b) Workout:  $8217 \div 11$  ( 03 marks )

( 02 marks )

24	<p>(a) Work out: <math>\frac{1}{2} + \frac{2}{5}</math></p> <p>( 02 marks )</p>	<p>(b) Express 0.8 as a decimal in its simplest form</p> <p>( 02 marks )</p>
25	<p>Using a protractor, a pencil and a ruler, construct a rectangle ABCD, AB = 6 cm, BC = 4 cm</p> <p>( 05 marks )</p>	
26	<p>(a) A lesson lasted for 2 hours. For how long did it last in minutes? ( 02 marks )</p> <p>(b) A debate that started at 2:00 p.m. ended at 5:00 p.m. For how long did it take? ( 03 marks )</p>	

27	(a) Find the lowest common multiple of 12 and 16   
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30 Study the figure below and use it to answer the questions that follow.



(a) Calculate the area of the figure. ( 02 marks )

(b) Find the total distance around the figure. ( 02 marks )

31 The shopping list below shows the cost of items in a certain shop.

A kilogramme of sugar sh 4,000

A litre of milk sh 2,000

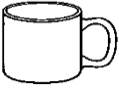




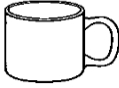



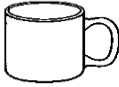
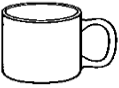
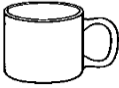





A book sh 1800

A pen sh 500

(a) What is the cost of 2 books and 3 pens. ( 02 marks )

(b) Jane bought a litre of milk and  $\frac{1}{2}$  kg of sugar. How much did she pay altogether ? ( 03 marks )

The graph below shows the number of cups bought for each class.

CLASS	NUMBER OF CUPS
P.2	  
P.3	    
P.4	 
P.6	  
P.7	   



*stands for 5 cups*

- (a) What number of cups was bought for Primary Seven? ( 02 marks )
- (b) How many more cups were bought for Primary Three than Primary four? ( 02 marks )
- (c) Which two classes got the same number of cups ? ( 01 mark )