



THE PRIME EXAMINATIONS 2024

P.5 MID TERM I MATHEMATICS

Time allocated 2 hours 30 minutes



Name:.....

Signature:.....

School:.....

District Name:.....

READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. This paper has two sections: A and B. Section A has 20 questions (40 Marks) and Section B has 12 questions. (60 Marks)
2. Answer ALL questions. All the working for both sections A and B must be shown in the spaces provided.
3. All working **must** be done using a blue or black ball point pen or ink. Any work done in pencil other than on graphs and diagrams will **not** be marked.
4. No calculators are allowed in the examination room.
5. Unnecessary changes in your work and handwriting that cannot be read easily may lead to **loss of marks**.
6. Do not fill anything in the table indicated

"FOR EXAMINERS' USE ONLY"

FOR EXAMINERS' USE ONLY		
QUESTION NUMBER	MARKS ATTAINED	INITIALS
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26		
27 - 28		
29 - 30		
31 - 32		
TOTAL		

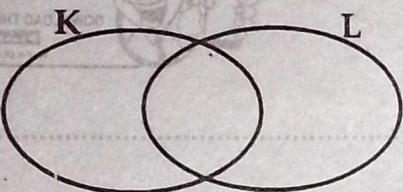
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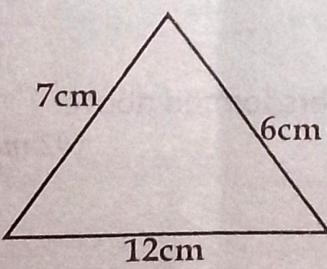
Consultant
Mathematics Department (PEC)

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LEARNING GAMES, REVISION BOOKS, PLE ANALYSIS REPORTS AND MANY MORE.

Section A (40 Marks)

1 Work out: $\begin{array}{r} 2 & 3 \\ + & 4 & 5 \\ \hline \end{array}$	2 Shade $\frac{3}{4}$ of the diagram below.
3 Shade $K \cap L$ on the Venn diagram.	4 Write 24 in Roman numerals.
	
5 Draw a cylinder in the space below.	6 Write 2026 in words.
7 Find the next number in the sequence. $7, 10, 13, 16, 19, \underline{\hspace{2cm}}$	8 Convert 9m to cm.
9 Work out: $10 - 17 + 9$	10 Work out: Weeks Days $\begin{array}{r} 1 & 4 \\ + & 6 \\ \hline \end{array}$
11 James bought 3 pens at sh. 1800. Find the cost of each pen.	12 Work out: $\frac{11}{14} - \frac{5}{14}$

13	Find the value of 8 in the number 3805.	14	Find the missing number. <input type="text"/> + 7 = 12				
15	Round off 7693 to the nearest hundreds.	16	Simplify: 4 hoes + 6 hoes - 7 hoes.				
17	Using a ruler, a sharp pencil and a pair of compasses only, draw a circle of radius 4cm.						
18	Find the total distance around the triangle below.						
							
19	Given that $P = \{2, 3, 5, 7, 11\}$ and $Q = \{1, 3, 5, 7, 9\}$, find PUQ.	20	Show the number 2056 on the abacus below.				
			<table border="1" data-bbox="874 1564 1140 1852"><tr><td>TH</td><td>H</td><td>T</td><td>O</td></tr></table>	TH	H	T	O
TH	H	T	O				

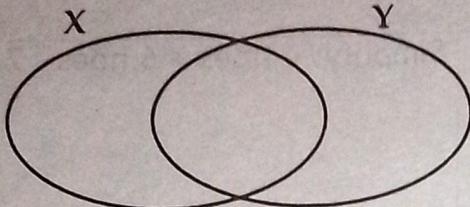
Section B (60 Marks)

21

Given that $X = \{ \text{all counting numbers less than } 10 \}$ and $Y = \{1, 2, 3, 4, 12\}$

(03 marks)

(a) Complete the Venn diagram below.



(b) Find $n(X \cap Y)$.

(02 marks)

22

Use the digits 9, 4, 6 to form;

(a) The largest 3-digit number.

(01 mark)

(b) The smallest 3-digit number.

(01 mark)

(c) Find the sum of the largest and the smallest numbers formed above.

(02 marks)

(d) Find the place value of 4 in the smallest number.

(02 marks)

23

(a) Write the number 3782 in expanded form.

(02 marks)

(b) Find the difference between the value of 7 and the value of 8 in the number above. (03 marks)

24 (a) Change $2\frac{2}{3}$ to an improper fraction. (02 marks)

(b) Write $\frac{1}{10}$ in words. (01 mark)

(c) Work out: $\frac{3}{8} + \frac{1}{8} + \frac{3}{8}$ (02 marks)

25 Use ">", "<" or "=" to complete the statements. (01 mark each)

(a) 104 _____ 140

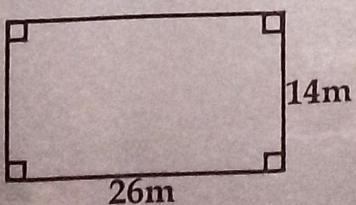
(b) 13 days _____ a fortnight

(c) XXIX _____ 18

(d) half an hour _____ 40 minutes

(e) $\frac{1}{2}$ years _____ 6 months

26 Below is a rectangular field. Study it and answer the questions that follow.



- (a) If Opolot ran around the field once, what distance did he cover? (02 marks)
- (b) Workout the area of the field. (02 marks)
- (c) How many right angles does the above figure has? (01 mark)

27 Find the missing number. (02 marks each)

(a) $\frac{\square}{4} = 3$

(b) $\square + 9 = 14$

(c) $5 \times \square = 10$

28 Study the price list below and use it to answer the questions that follow.

A book costs sh.1200

A bottle of soda costs sh.1000

A pen costs sh.600

A ruler costs sh.1500

(a) Find the cost of two books.

(02 marks)

(b) Find the total cost of 2 rulers and 3 pens. (03 marks)

29

In a P.5 class of 60 pupils, $\frac{2}{3}$ of them are girls and the rest are boys.

(a) Find the fraction of boys in the class.

(02 marks)

(b) How many more girls than boys are there in class? (02 marks)

30

(a) Using a ruler and a sharp pencil only, draw a line segment PQ of length 6cm.

(02 marks)

(b) How many right angles are in 540° ?

(02 marks)

31 (a) Given that $1\text{km} = 1000\text{m}$, how many metres are in 13km ? (02 marks)(b) The length of a rope is $18\text{m } 20\text{cm}$. If $6\text{m } 40\text{cm}$ of the rope is painted green. What length of the rope is not painted? (02 marks)

2 Complete the magic square below. (06 marks)

6	1	9
7	12	3
2	11	4