THE PRIME EXAMINATIONS 2024

P.4 END OF 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		

APPROVED

Consultant
Mathematics Department (PEC)

PUBLISHERS OF:-

Turn Over

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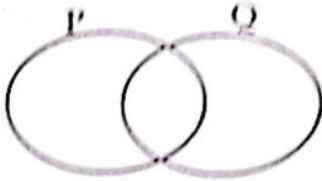
Section A (40 Marks)

1	Multiply: 6 7
	  $\underline{-4\ \ 3}$
	
	  $\underline{}$
		2	Name the set symbol below.
			
			$\longleftrightarrow$

3	Write 25 in Roman numerals.	4	Name the shape below.

5	Given stands for 5 vehicles, how many vehicles are represented by ?

6	Simplify: 4 books + 6 pens + 2 books + 2 pens.	7	Find the number of five hundred shilling coins that can be got from a rate of sh 1,000.
8	Work out: $\boxed{} - 4 = 3$	9	Find the value of 4 hundreds.

10	A boy had 10 litres of petrol and his father added him 16 more litres. How many litres of petrol does he have altogether?	11	Shade P∩Q in the figure below.
12	Find the next number in the sequence. 30, 28, 26, 24, _____	13	Add: $\frac{2}{7} + \frac{4}{7}$
14	Find the LCM of 4 and 3.	15	Change 3kg to grams.
16	Tell the afternoon time shown on the clock face below.	17	Workout: 433 × 2
18	Use <, > or = to complete the following. 14 + 5 _____ 6 × 3	19	Write 1046 in words.

20. Opus had $\frac{3}{5}$ of cake, he ate $\frac{2}{5}$. Find the fraction of the cake that remained.

Section B (60 Marks)

21. Show 431 on the abacus below. **(02 marks)**

H   T   O
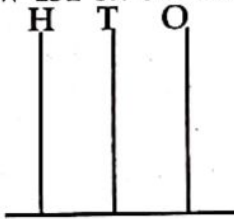
(b) Write the place value of the underlined digit 8572. **(01 mark)**

(c) Find the product of the value of 6 and the value of 4 in 76345. **(02 marks)**

22. Study the Venn diagram below and use it to answer the following questions.

P   Q

h   b   f   e
c   g   n
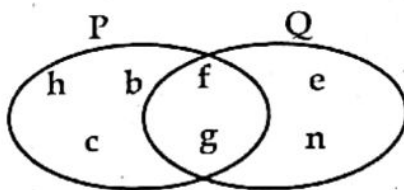
(a) List the members of P∩Q. **(01 mark)**

(b) Find the; (i) n(P∪Q) **(02 marks)**

(ii) n(P) **(02 marks)**

23 (a) Workout: 4 6 3 1
         + 3 1 6 4
         _____

         _____

(02 marks)

(b) Jamirah harvested 764kg of maize and she decided to sell 342kg of it. How many kilograms did she remain with? (02 marks)

24 Given the digits; 9,4,6, form all the possible 3 –digit numerals that can be formed from the above digits. (06 marks)

25 Study the figure below and use it to answer the questions that follow.

6m ... 4m
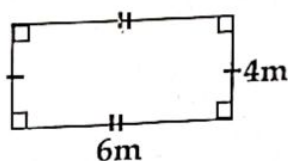
(a) Calculate the area of the figure above. (02 marks)

(b) Work out the perimeter of the above figure. (02 marks)

26 Form smaller sets from the big set below correctly. (06 marks)
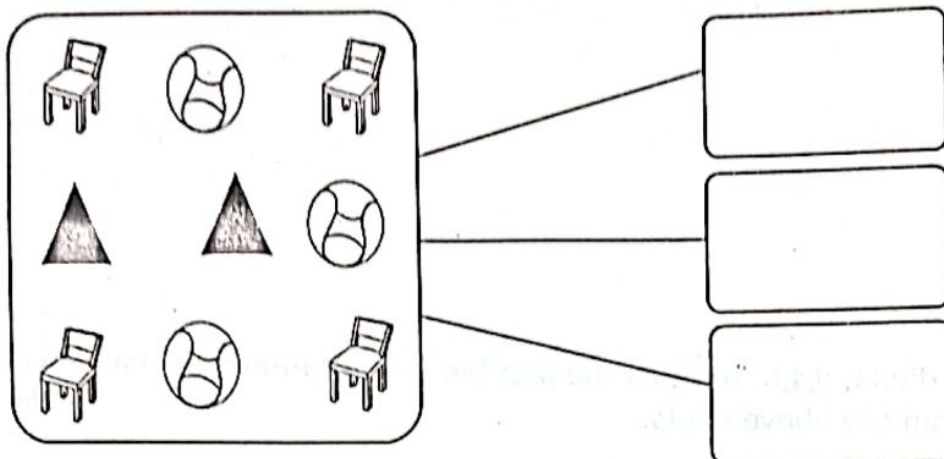
27 (a) Add: Years   Months   (02 marks)

$$
\begin{array}{cc}
6 & 7 \\
+3 & 4 \\
\hline
\end{array}
$$

(b) Work out: Weeks   Days   (02 marks)

$$
\begin{array}{cc}
8 & 9 \\
-5 & 6 \\
\hline
\end{array}
$$

28 Fill in the missing numbers.   (02 marks each)

(a) $\square - 4 = 5$

(b) $\square \div 2 = 3$

(c) $4 \times \square = 12$

29 (a) Expand 624 using values. (02 marks)

(b) What number has been expanded to give; 4000 + 800 + 30? (02 marks)

30 (a) List down all the factors of 18. (02 marks)

(b) (i) List all the multiples of 4 less than 20. (02 marks)

(ii) Find the sum of the 3rd and 5th multiples of 5. (02 marks)

31 Study the calendar and answer the questions that follow.

SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

(a) Which day of the week was the 2nd?   (01 mark)

(b) How many Wednesdays did the above month have?   (01 mark)

(c) How many Fridays were in the above month?   (02 marks)

32 Complete the table below correctly.   (06 marks)

No of tables.	1	2	3	4	___	___	12	___
No of legs.	4	8	___	___	20	30	___	72