

Prime THE PRIME EXAMINATIONS 2024
P.5 END OF TERM II
MATHEMATICS (New Curriculum)

Time allocated 2 hours 30 minutes



FOR
WELL EXPLAINED LESSON VIDEOS
WITH TESTS BY EXPERT TEACHERS
DOWNLOAD THE PRIME LEARN APP
www.prime-learn.com

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"

PUBLISHERS OF:-

THE PRIME; SCHEMING FRAME WORKS, PUPIL'S WORKBOOKS, LESSON COURSE BOOKS, HOLIDAY PACKAGES
LEARNING GAMES, REVISION BOOKS, PLE ANALYSIS REPORTS AND MANY MORE.

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

[Signature]
Consultant
Mathematics Department (PEC)

Organised by: **PRIME EDUCATIONAL CONSULT @2024** Kampala

Turn Over

Section A (40 Marks)

1

Workout: $18 \div 3$

2

Write "forty thousand twenty five" in figures.

3

If set $M = \{a, b, c, d\}$ and set $Q = \{2, 3, 5, 7\}$, describe the paired sets.

4

Change XLVI to Hindu-Arabic numerals.

5

Find the next numbers in the sequence.
1, 3, 5, 7, _____, _____

6

Workout the supplement of 70° .

7

Fill in the missing number:
 - 13 = 12

8

Write $\frac{2}{3}$ in words.

9

Draw tallies to represent 18 pens.

10

Change 150 minutes to hours.

WARNING: Not to be reproduced electronically

11 How many lines of folding symmetry has the figure below?



12 Expand 6904 using value form.

13 List down all the factors of 14.

14 Add: $\frac{3}{4} + \frac{1}{5}$

15 Work out:

kg	gm
5	75
+2	60
<hr/>	
<hr/>	

16 One pen costs sh.450. Find the cost of 9 similar pens.

17 Write the place value of 3 in 7532.

18 Change 36_{ten} to base five.

19 What is $\frac{2}{3}$ of 15 books?

20 Draw a trapezium in the space below.

Section B (60 Marks)

21

In a class, $\frac{3}{7}$ of the pupils are boys and the rest are girls. If the class has 63 pupils;

(a) Find the fraction of girls.

(02 marks)

(b) How many more girls than boys are in the class?

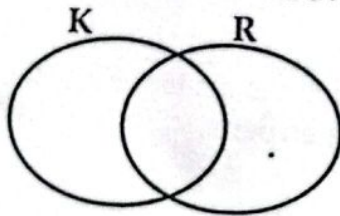
(03 marks)

22

If set $R = \{0, 2, 4, 5, 8, 9\}$ and set $K = \{1, 2, 3, 5, 6\}$.

(a) Represent the above information on a Venn diagram.

(03 marks)



(b) Find $n(K \cup R)$

(02 marks)

23

Using a pair of compasses, a ruler and a pencil only, construct a regular hexagon in a circle of radius 3cm.

(04 marks)

24

(a) Write the place value of 2 in 312_{five} .

(01 mark)

(b) Subtract: $314_{\text{five}} - 34_{\text{five}}$.

(02 marks)

(c) Change 404_{five} to base ten.

(02 marks)

25

Given that $p=3$, $m=2$ and $n=6$, find the value of;

(01 mark)

(a) $m + n + p$

(02 marks)

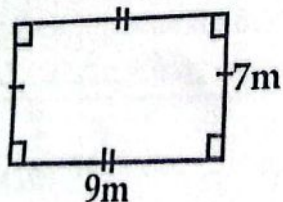
(b) $m + n - p$

(02 marks)

(c) $m \times n \times p$

26

Use the shape below to answer the questions that follow.



(01 mark)

(a) Name the above figure.

Page | 4

PTO

(b) How many right angles does it have?

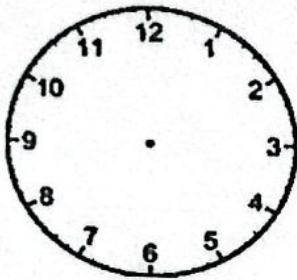
(02 marks)

(c) Work out its perimeter.

(02 marks)

27 (a) Show half past 3 on the clock face below.

(02 marks)



(b) Work out: Wks Days

$$\begin{array}{r} 6 \\ +2 \\ \hline \end{array}$$

(02 marks)

(c) How many days are in a fortnight?

(01 mark)

28 (a) List down a set of the first five even numbers.

(02 marks)

(b) Find the L.C.M of 4 and 7.

(02 marks)

(c) Find the sum of the first three triangular numbers.

(01 mark)

WARNING: Not to be reproduced electronically

29 John scored the following marks in a series of Mathematics tests
50, 35, 20, 10 and 45.

(a) What was the least score?

(01 mark)

(b) Find range.

(02 marks)

(c) Workout the mean.

(02 marks)

(02 marks)

30 (a) Multiply: 504×3

(b) Subtract 924 from 1000.

(02 marks)

(c) Divide; $20 \div 4$.

(02 marks)

31 Use the price list below to answer the questions that follow.

A book costs sh.2500

A pen costs sh.800

10 pencils cost sh.1500

A rubber costs sh.600.

(a) What is the cheapest item?

(01 mark)

WARNING: Not to be reproduced electronically

WARNING: Not to be reproduced electronically!

(b) How much can one pay for 7 books?

(02 marks)

(c) How many similar pens can one buy with sh.7200?

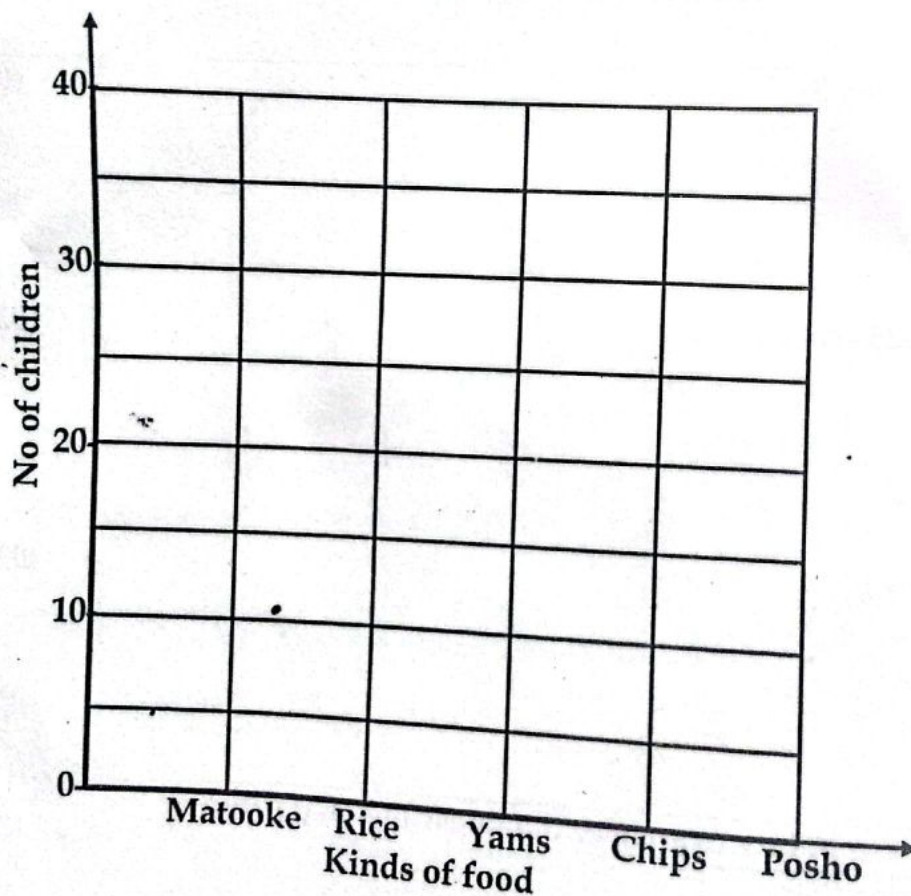
(02 marks)

32 The table below shows the number of children who ate different kinds of food at a birthday party.

Food	Yams	Matooke	Rice	Chips	Posho
No. of children	25	15	40	5	20

Draw a line graph to show the above information.

(05 marks)



WARNING: Not to be reproduced electronically!