THE **PRIME** EXAMINATIONS 2023
PRIMARY FIVE END OF YEAR
MATHEMATICS

Time allocated 2 hours 30 minutes

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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:-

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		

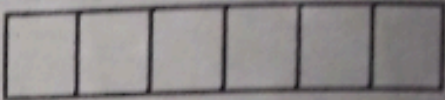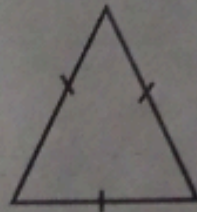**APPROVED**

Consultant
Mathematics Department (PEC)

SCHEMES OF WORK, PUPIL'S WORKBOOKS, LESSON COURSE BOOKS, HOLIDAY PACKAGES
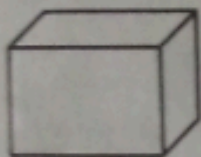REVISION BOOKS, PLE ANALYSIS REPORTS AND MANY MORE.

Turn Over

Section A (40 Marks)

1 Workout: $15 \div 5$	2 Simplify: $6c - 7c + 5c$
3. Write 3,004 in words.	4 Shade $\frac{5}{6}$ on the diagram below.

5. Convert 6 weeks to days.

6 Simplify: $-4 + {}^+1$	7 Write 24 in Roman numerals.

8 Given that ![mat] represents 6 mats, how many mats are represented by;

![three mats] ?

9 How many lines of symmetry has the figure below?	10 Find the value of 4 hundreds.

11 Name the shape below.	12 A trader bought a goat at sh 120,000 and sold it making a loss of sh.40,000. At how much did he sell the goat?
13 Add: 14.35 + 6.35	14 Write 547 in expanded form using values.

15 Using a ruler, a pencil and a protractor only, draw an angle of 60^0.

16. Find the next two numbers in the series below; 1, 3, 5, 7, ___, ___	17 Solve: $m - 6 = 3$

18 Ella had sh.8000 in her handbag. She exchanged it into coins of sh.200. How many coins did she get?

19	Calculate the diameter of the circle whose radius is 4m.	20	How many grams are in 7kg?
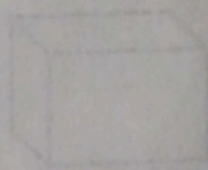
Section B (60 Marks)

21 Study the Venn diagram below and answer the questions that follow.
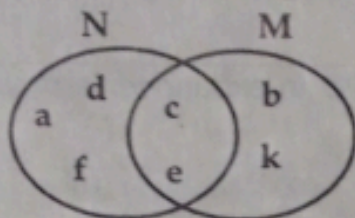
(a) List all elements of set N-M. **(01 mark)**

(b) Find;
  (i) n(NUM) **(02 marks)**

  (ii) n(N∩M) **(02 marks)**

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22 (a) Change 141_{five} to base ten. **(02 marks)**
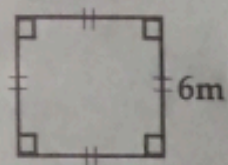
(b) Workout: $2\ 0\ 1_{five}$
$$+2\ 1\ 2_{five}$$
_____

(c) Write the place value of 4 in 5402_{five}. **(02 marks)**

23 Study the figure below and answer the questions about it.

6m

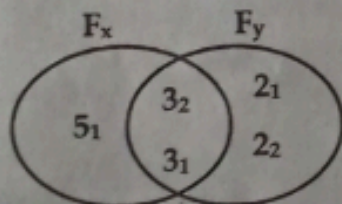(a) Name the figure above. (01 mark)

(b) Calculate the area of the figure above. (02 marks)

(c) Find the perimeter of the above figure. (02 marks)

24 Study the Venn diagram below and answer the following.

F_x F_y

5_1 3_2 2_1
  3_1 2_2

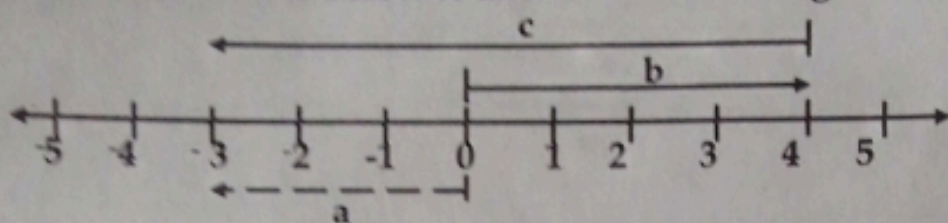(a) Find the value of;
(i) y (02 marks)

(ii) x (02 marks)

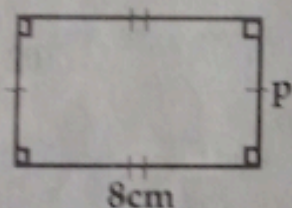(b) Find the G.C.F of F_x and F_y. (01 mark)

25 Use the numberline below to answer the following.

(a) Write the integers represented by the letters above.   (01 mark each)

(i) a _____   (ii) b _____   (iii) c _____

(b) Write the mathematical statement for the above numberline.   (02 marks)

26 The figure below has an area of 48cm².

8cm

(a) Find the value of p.   (02 marks)

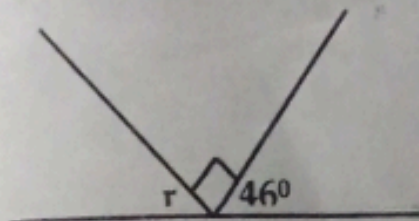(b) Find the total distance around the figure.   (03 marks)

27 (a) Ojok was facing West. He turned through an angle of 135° clockwise. Find his new direction.   (02 marks)

(b) Find the size of angle r in the diagram below. **(03 marks)**
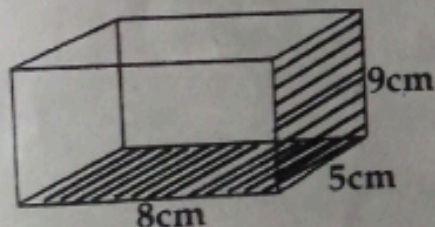

28. Given the numeral 6473.
   (a) Write the place value of 4 in the numeral above. **(03 marks)**

   (b) Find the value of 7 in the numeral above. **(02 marks)**

29. Study the rectangular prism below.

9cm

5cm

8cm

(a) Find the number of; **(01 mark each)**
   (i) vertices _____
   (ii) faces _____
   (iii) edges _____

(b) Find the total area of the shaded parts **(02 marks)**

30. Work out the following; **(02 marks)**
   (a) ☐ ÷ 4 = 6

   (02 marks)

   (b) 3 × ☐ = 9

   (01 mark)

   (c) ☐ - 3 = 7

31 Using a pair of compasses, a ruler and a pencil only, construct a regular hexagon of radius 4cm. (02 mar

(b) Find the perimeter of the figure above. (02 mar

32 Study Anita's shopping bill below.

Item	Quantity	Unit cost	Total amount
Rice	2kg	sh _____ per kg	sh 7000
Meat	_____ kg	sh.15000 per kg	sh.7500
Salt	500gm	sh .1200 per kg	sh _____
Total			sh _____

(a) Complete the table. (01 mark ea

(b) If she went shopping with sh.20,000, find her change. (01ma