THE PRIME EXAMINATIONS 2023

PRIMARY FIVE END OF TERM II

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.**

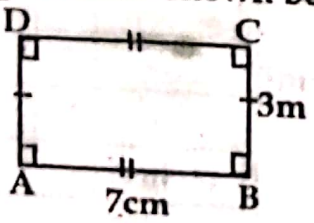
6. Do not fill anything in the table indicated "**FOR EXAMINERS' USE ONLY**"

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

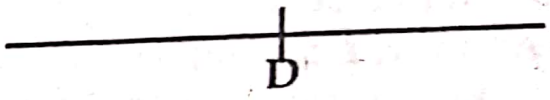
Consultant
Mathematics Department (PEC)

Section A (40 Marks)

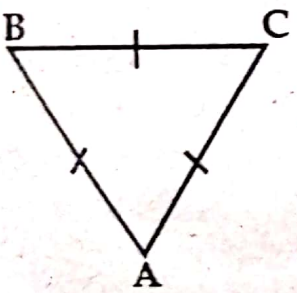
1	**Workout: 3 x 4**	2	Write 1,243 in words.
3.	**Simplify: +4 + -6**	4	Find the next number in the sequence. 28, 21, 15, 10, 6, 3, ____
5	**Solve: k + 4 = 9**	6	Given that Set R = {1, 2, 3, 4, 5, 6}, set S = { 2, 3, 5, 7, 11} Find n(R∩S)
7	Find the number expanded to give; (8x1000) + (7x100) + (5x10) + (4 x1)	8	The loss on a dress bought at sh.23,000 was sh.2500. Calculate the selling price of the dress.
9	**Calculate the perimeter of the rectangle ABCD shown below.**  	10	A certain meeting started at 2:30pm and lasted for 45 minutes. At what time did the meeting end?
11	**Simplify: $\frac{8}{9} - \frac{2}{9}$**	12	Find the place value of a number whose value is 4000.

13 In a certain P.5 class, there are 20 boys and 30 girls. Find the total number of pupils in the class.

14 Using a pair of compasses, a ruler and a pencil only, construct an angle of 90^0 at point D.



15 **The figure below is a triangle ABC. Show all the lines of folding symmetry it has.**



16. Given that a = 3, and b = 2, find the value of 2a + 3b.

17 If 1 Litre = 1000ml, express 2000ml in litres.

18 A tea seller prepared 20 litres of tea and sold 12 litres of the tea. Find the number of litres of tea that remained.

19 Find the average of 40, 70, 60, 40 and 80.

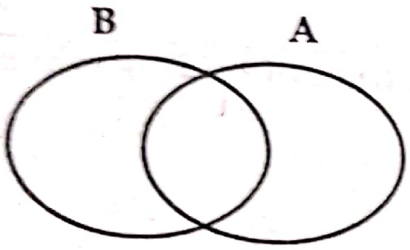
20 Work out: 38 -17 + 13

Section B (60 Marks)

21 Given that sets;

A= {w, e, l, c, o, m} B= {t, e, l, c, a, p}

(a) Represent the above information on the Venn diagram below. *(03 marks)*



(b) Find n(A∪B)

(01 mark)

(c) Find n(B)

(01 mark)

22 (a) Work out: $3\,4\,3_{\text{five}}$

$+\ 4\,4_{\text{five}}$

(02 marks)

(b) Find the value of 2 in 321_{five}.

(02 marks)

(c) Write 44 in Roman Numerals.

(01 mark)

23 (a) Simplify: $0.48 - 2.32 + 3.5$. *(03 marks)*

(b) Express $\frac{4}{5}$ as a decimal. *(02 marks)*

(c) Find the place value of 6 in 0.563. *(01 mark)*

24 **Amina bought 3 litres of milk at sh 2000 per litre, 2 kg of salt at sh 1200 each kg and 5 mangoes at sh 400 per mango.**

(a) Calculate the total cost of the items. *(04 marks)*

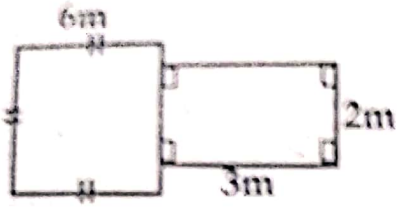
(b) Amina paid sh 9000 for the items. How much discount did the shopkeeper give her? *(01 mark)*

A cyclist covered 90km in 3 hours.

(a) Calculate the speed of the cyclist. *(02 marks)*

b) What distance would the cyclist cover in 5 hours moving at the same speed? *(02 marks)*

26 Work out the area of the flower garden shown below. *(06 marks)*



27 (a) Using a pair of compasses, a ruler and a pencil only, construct a square of side 6cm. *(03 marks)*

(b) Workout the perimeter of the square. *(02 marks)*

28 In a class of 40 pupils, $\frac{2}{5}$ of the pupils are girls and the rest are boys.

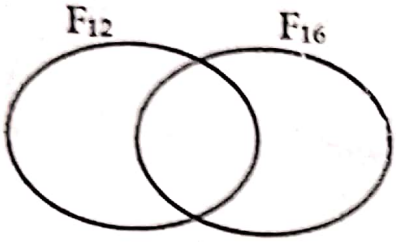
(a) What is the fraction of boys? *(02 marks)*

(b) How many more boys than girls are in the class? *(03 marks)*

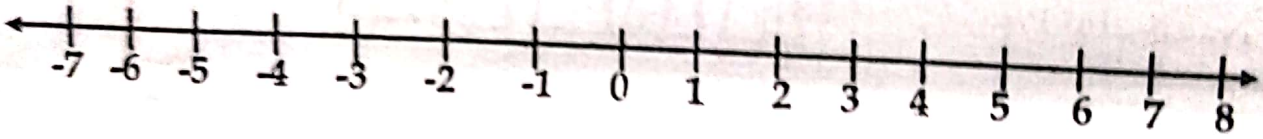
29 (a) List down all the factors of 12 . *(01 mark)*

(b) List down all the factors of 16. *(01 mark)*

(c) Represent the factors of 12 and 16 on the Venn diagram below. *(03 marks)*



30 (a) Work out $^{-}7 + {}^{+}3$ using a number line below. *(03 marks)*



(b) Arrange $^{+}4$, 0, $^{-}3$, $^{+}8$ and $^{-}2$ in descending order. *(02 marks)*

31 (a) Solve: $3n = 12$ *(02 marks)*

(b) Work out: $\square \div 5 = 4$ *(02 marks)*

32 The picto graph below shows books distributed by the minister of Kampala to 2022 PLE candidates in seven schools in Kampala.

KCC Busega	📖📖📖📖
Katwe P/S	📖📖📖
Kansanga	📖📖
Ggaba Dem	📖📖
Kawempe Muslim	📖📖📖📖📖📖📖📖📖
Police Children P/S	📖📖📖📖📖📖
Nakivubo P/s	📖📖📖📖📖

If 📖 represents 15 books.

(a) How many books were received by **Kawempe Muslims P/S?** *(01 mark)*

(b) Which school got 90 books? *(01 mark)*

(c) Which schools got the same number of books? *(01 mark)*

(d) Calculate the total number of books given out by ministers. *(02 marks)*