



THE PRIME EXAMINATIONS 2023

PRIMARY SEVEN MID MARCH MATHEMATICS (Abridged Curriculum)

Time allocated 2 hours 30 minutes



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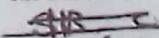
READ THE FOLLOWING INSTRUCTIONS CAREFULLY

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"

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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)

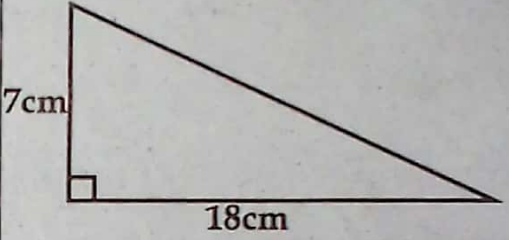


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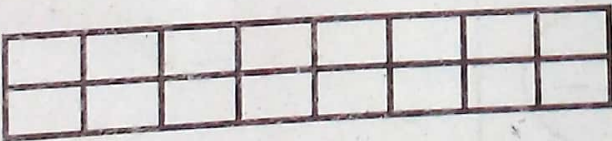
THE PRIME; SCHEMING FRAMEWORKS, PUPIL'S WORKBOOKS, LESSON COURSE BOOKS, HOLIDAY PACKAGES
LEARNING GAMES, REVISION BOOKS, PLE ANALYSIS REPORTS AND MANY MORE

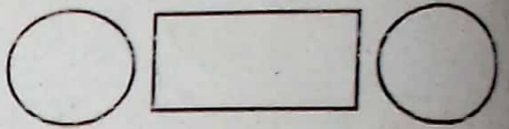
Turn Over

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Section A (40 Marks)

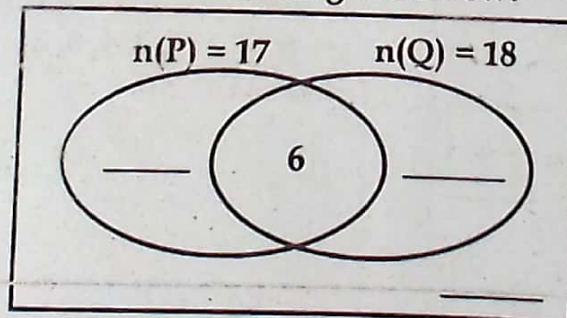
1	Work out: $42 + 18$	2	Write 97 in Roman numerals.
3	Workout: $\frac{1}{5} \times \frac{2}{5}$	4	Given that set P has 16 subsets, find $n(P)$.
5	Convert 8cm to mm.	6	Find the area of the figure below. 
7	A mathematics lesson started at 8:30am. At what time did it end if it lasted for 1 hour and 40 minutes?	8	Workout; $-4 - +7$
9	Given that  represents 16 flowers, how many flowers are represented by  ?	10	The cost of 9 mangoes is sh 2700. Find the cost of 5 similar mangoes.

11	Draw an angle of 55° in the space provided below.		
12	What number has been expanded to give $(7 \times 10^3) + (6 \times 10^2) + (2 \times 10^1) + (1 \times 10^0)$?	13	In a line of girls, Anitah is the 9th from either sides, how many girls are in the line?
14	Shade $\frac{3}{8}$ of the diagram below. 	15	Given that set $T = \{3, 5, 7, 9, 8, 2\}$ and set $S = \{1, 2, 3, 4, 5, 6\}$ Find $n(T \cap S)$

16	A taxi moved at a speed of 75km/hr for 3hrs. Find the distance covered.	17	Convert 85_{ten} to base five.
18	Solve; $4 - 3p = 13$	19	Name the geometrical shape below. 
20	Find the median of the following scores; 20, 16, 25, 14, 13, 35, 12		

Section B (60 Marks)

- 21 Given that $n(P) = 17$, $n(Q) = 18$, $n(P \cap Q) = 6$ and $n(P \cup Q)' = 5$. Show the above information on the Venn diagram below. (03 marks)



(b) Find $n(E)$

(01 mark)

(c) Find $n(Q)$

(01 mark)

22

Given the numeral 726453.

(a) What is the place value of 4?

(01 mark)

(b) Find the difference between the value of 2 and the value of 5. (03 marks)

(c) Write the above numeral in words.

(01 mark)

23

In a class of 68 pupils, $\frac{9}{17}$ are boys and the rest are girls.

(a) What fraction of the pupils are girls?

(01 mark)

(b) Find the number of boys.

(02 marks)

(c) Find the number of girls.

(02 marks)

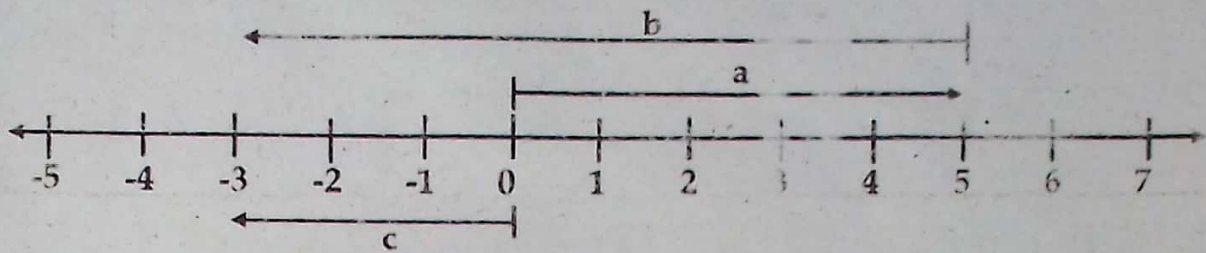
24 (a) Using a ruler, a pencil and a pair of compasses only, construct a regular hexagon of radius 3.5cm. (03 marks)

(b) Find it's perimeter. (02 marks)

25 The marks below were scored by Joseph in his BOT exams;
65, 40, 50, 65, 70.
(a) Find the range of the marks. (02 marks)

(b) Find Joseph's mean score. (03 marks)

26 Study the number line below and answer questions that follow.



(a) Write the integers represented by the arrows

(01 mark each)

(i) $a =$ _____

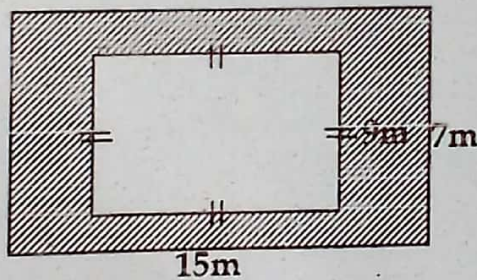
(ii) $b =$ _____

(iii) $c =$ _____

(b) Write the Mathematical statement represented on the number line.

(02 marks)

27 Study the figure below and answer questions that follow.



(a) Find the area of the outer figure.

(02 marks)

(b) Find the area of the inner figure.

(01 mark)

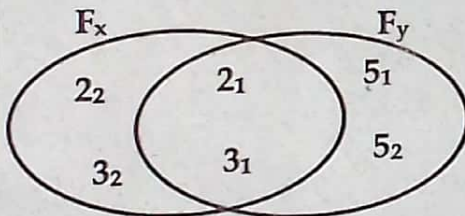
	(c) Find the area of the shaded part.	(02 marks)
28	(a) Given that $a = 3$, $b = 2$ and $c = 4$ find the value of $ab + bc$. 	

30 (a) The table below shows the items bought by Hygenyi. (04 marks)

Item	Quantity	Unit cost	Amount
Sugar	2kg	Sh 4200 per kg	Sh _____
Soap	_____	Sh 3500 per bar	Sh 10,500
Cooking oil	1½ litres	sh _____ per litre	Sh 6,000
Total			Sh _____

(b) If he was given a change of sh 5100, how much money did he have at the beginning? (01 mark)

31 Study the figure below and answer questions that follow.

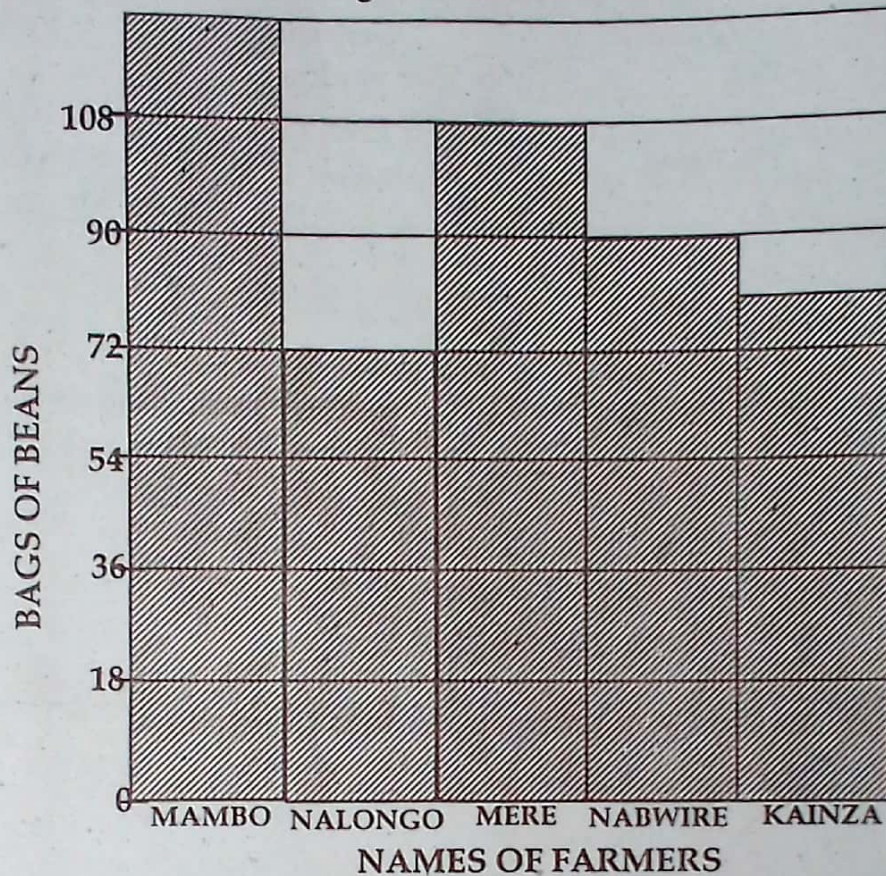


(a) Find the value of x. (02 marks)

(b) Find the value of y. (02 marks)

(c) Find the G.C.F of x and y. (01 mark)

The graph below shows the bags of beans harvested by five different farmers.



- (a) How many bags of beans did Mambo harvest? (01 mark)
- (b) Find the total number of bags of beans harvested by the five farmers. (02 marks)
- (c) How many more bags of beans did Mere harvest than Nabwire? (02 marks)