

CREATIVE EDUCATIONAL SERVICES

END OF TERM I EXAMINATIONS

2023

MATHEMATICS

PRIMARY SEVEN

Time Allowed: 2 hours 30 minutes

Pupil's Name :

Stream :

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

Read the following instructions carefully:

1. This paper has **two** sections: **A** and **B**.
2. 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 fountain pen. Any work done in pencil other than graphs, pictures and diagrams will **not** be marked.
4. **No calculators** are allowed in the examination room.
5. Unnecessary changes of work may lead to **loss** of marks.
6. Any handwriting that cannot easily be read may lead to **loss of marks**.
7. Do **not** fill anything in the boxes indicated:
"For Examiners' Use Only"

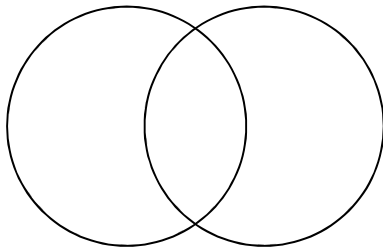
FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXRS' IN.
1 – 5		
6 – 10		
11 – 15		
16 – 20		
21 – 22		
23 – 24		
25 – 26		
27 – 28		
29 – 30		
31 – 32		

SECTION A (40marks)

1. Subtract:
$$\begin{array}{r} 321 \\ - 111 \\ \hline \end{array}$$

2. List down the factors of 18.

3. Name the sets and shade set A.



4. Which number has been expanded to get $(4 \times 10^4) + (3 \times 10^0) + (2 \times 10^1)$?

5. Tom bought 5 text books at sh. 25000. How much would he pay for 2 similar text books?

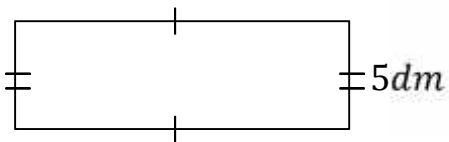
6. Find the complement of 73° .

7. Workout: $1\frac{2}{7} - \frac{5}{7}$

8. The mean mass of 7 girls is 80kg. find their total mass.

9. Simplify: $-5 + 9$

10. The area of the figure below is 60dm^2 . find its length.



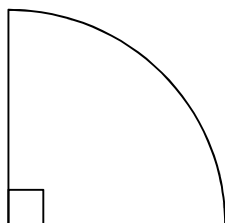
11. Solve: $6 - 2y = 18$

12. Given that $A = \{a, b, c, d\}$ and $B = \{c, d, e, f, g\}$. Find $n(A \cup B)$

13. A school bought 500 bags of beans and maize. If 30% of them were beans, how many bags of beans were bought?

14. Write 6432 in standard form.

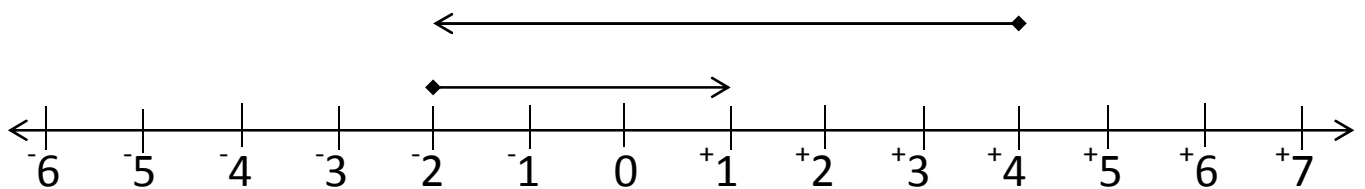
15. How many lines of folding symmetry does the figure below have?



16. Covert 4000cm^3 to litres.

17. Kate bought 249 heads of cattle. Express it in Roman numerals.

18. Form a mathematical statement for the arrow diagram below.



19. Workout: $4.5 - 6.3 + 3.6$

20. If $K = -2$, and $P = 3$, find the value of PK^2 .

SECTION B (60marks)

21. Given the digits 4, 7 and 3.

(a) Form all the three digit even numbers.

(2marks)

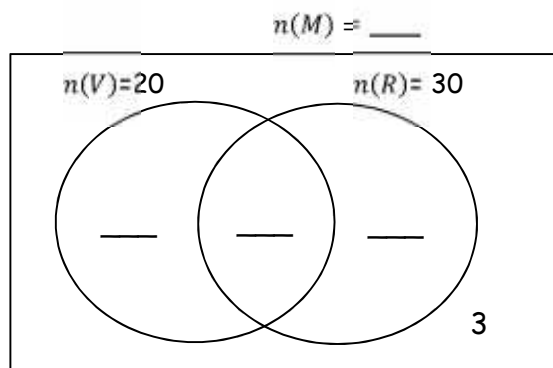
(b) Workout the sum of the numbers formed above.

(2marks)

22. In a class of 40 students, all students like Matooke (M) 20 like both Matooke and Cassava (V), 30 like Rice (R) and matooke while 3 like only matooke and y like all the three kinds of food.

(a) Complete the Venn diagram below.

(3marks)



(b) How many students like all the three kinds of food?

(2marks)

23. At a birthday party attended by 84 guests, $\frac{3}{7}$ of them are females and the rest are males.

(a) How many more males attended the party than females? (3marks)

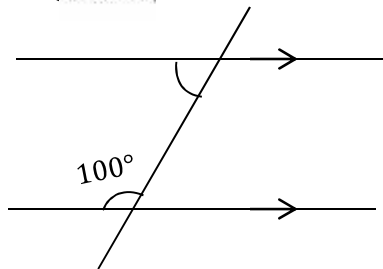
(b) If each female paid sh. 12000 for entrance, how much was collected from them? (2marks)

24. (a) The cost of a book and a ruler is sh. 4800. If a ruler costs sh. 500 less than a book, find the cost of a book. (3marks)

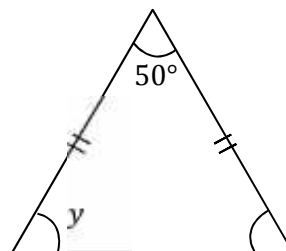
(b) How much does a ruler cost? (2marks)

25. Find the size of missing angles.

(a) (2marks)



(b)



(3marks)

26. The table below shows the scores of some pupils in midterm exams.

No. of pupils	3	1	2	4
Marks	80	85	90	75

(a) Find the number of pupils.

(2marks)

(b) Write the modal mark.

(1mark)

(c) Calculate their mean mark.

(3marks)

27. The headteacher drove his car from his home to school at the speed of 75km/hr. for 2 hours. On his way back home, he took only 3 hours.

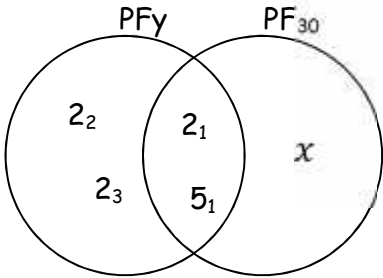
(a) Calculate the distance between his home and the school.

(2marks)

(b) Find the average speed for the whole journey to and from.

(3marks)

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



(a) Find the value:

i. y

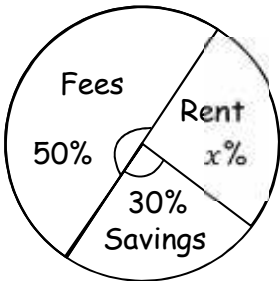
ii. x

(2marks@)

(b)Workout the LCM of Y and 30.

(2marks)

29. Study the circle graph below and answer the questions about it.



(a) Find the value of x .

(2marks)

(b) If Mr. Musoke earns sh. 300,000 per month, how much does he save? (2marks)


(c) Express the sector for fees as a fraction in its lowest term. (2marks)

30. Using a pair of compass and a ruler, construct a rectangle ABCD where $AB = 8\text{cm}$ and $CD = 6\text{cm}$. (4marks)

31. Tom shared his piece of land among his three sons Tim, Jimmy and Moses in ratio 2:3:5 respectively. If the size of land was 30 hectares, find the size of land each son got. (4marks)

32. Complete the shopping table below:

(5marks)

Item	Quantity	Unit cost	Amount
Sugar	3kg	Sh. 3000	Sh. _____
Bread	_____loaves	Sh. 2500	Sh. 10,000.
Tea leaves	4 packets	Sh. _____	Sh. 3200
Milk	1  res	Sh. 2000	Sh. _____
Total expenditure			Sh. _____

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