

GREENHILL PRIMARY SCHOOL BUWAATE

PRE- END OF TERM ONE SET 2, 2023

CLASS : P.7
SUBJECT : MATHEMATICS
DURATION : 2 HOURS 30 MINUTES.

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. Section A has 20 answer questions (40 marks)
3. Section B has 12 questions (60 marks)
4. Answer ALL questions. Answers to both sections must be written in the spaces provided.
5. All answers must be written using blue ink.
Diagrams should be drawn in pencil.
6. Unnecessary alteration of work may lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do not fill anything in the box indicated for examiner's use only.

For Examiner's use only	
A	
B	
TOT	

SECTION A (20 QUESTIONS - 40 MARKS)

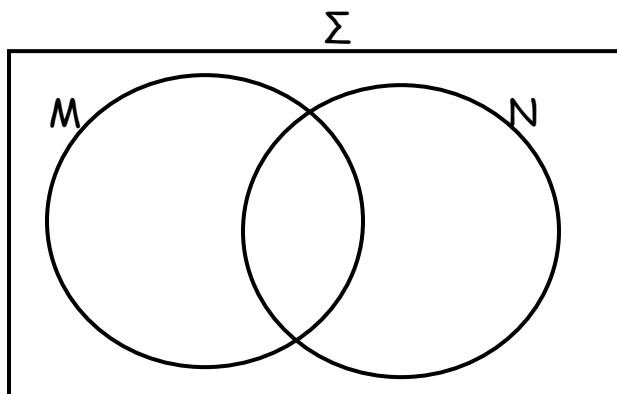
1. Work out : $43 + 23$

2. Write: 201043 in words.

3. Simplify: $\frac{2}{3} - \frac{1}{4}$

4. Change 72_{ten} to binary system.

5. Show the region $(M - N)'$ on the venn diagram below.



6. Solve : $3y - 6 = 12$.
7. In a certain primary school, there are 688 pupils. If there are 16 classes, find the average number of pupils per class.
8. Using a pair of compasses, a ruler and a sharp pencil only, construct an angle of 75° in the space below.
9. Square the next number in the sequence below.
4, 6, 8, 10, 12, _____

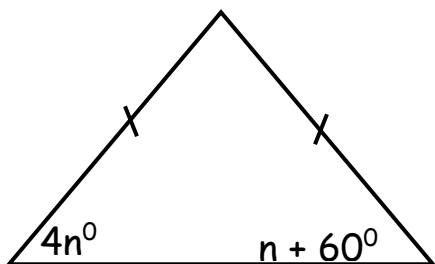
10. Simplify : $-3 - +5$

11. An article that was sold at shs. 4500, was bought at shs. 5200. Calculate the loss.

12. Given that set P has 32 subsets, calculate the number of elements in set P.

13. Express CDXLIV in Hindu Arabic numerals.

14. Below is an isosceles triangle, find the value of n in degrees.

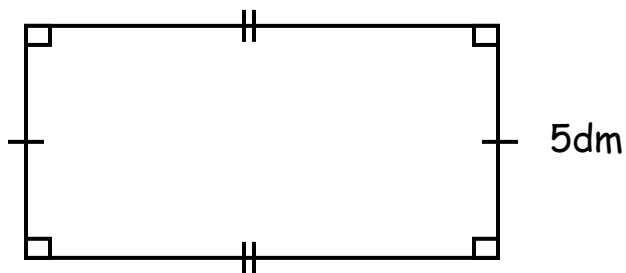


15. A bag contains 5 good oranges and 8 rotten oranges. If an orange is picked at random from the bag, what is the probability of picking a good orange?

16. Work out : $4.05 + 11.4 + 2.37$

17. Find the Greatest Common Factor of 27 and 36.

18. The perimeter of a rectangle below is 30dm. Find the length of the rectangle if its width is 5dm.



19. A baby went to sleep at 2130 hours. At what time did it wake up if it took four hours sleeping in a 12 hour clock?

20. Water and milk are mixed in the ratio of 3:1 to make tea for a birthday. How many litres of milk are in 20 litres of tea?

SECTION B - (12 QUESTIONS - 60 MARKS)

21. Given the number 4396

(a) Expand the above number using values. (1 mark)

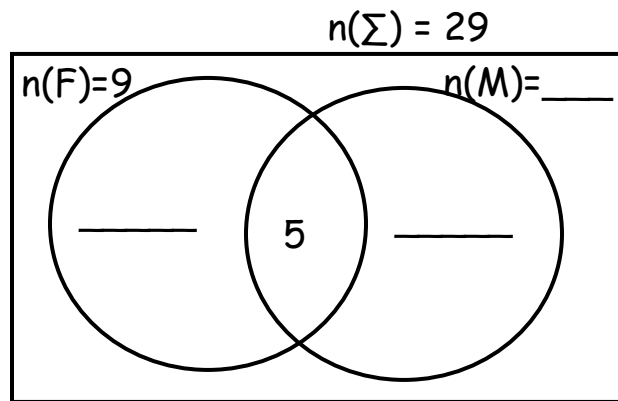
(b) Find the sum of the value of 9 and the value of 4 in the number 4396 (2 marks)

(c) Round off the number to the nearest thousands. (2 marks)

22. In a class of 29 pupils, 9 eat fish (F), 5 eat both meat and fish and P eat meat (M) only.

(a) Complete the venn diagram.

(3 marks)



(b) Find the total number of pupils who eat meat.

(2 marks)

23. Work out:

(a)

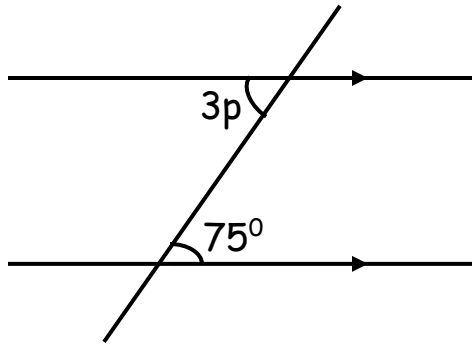
Weeks	Days
7	5
+ 2	6

(b) (2 marks @)

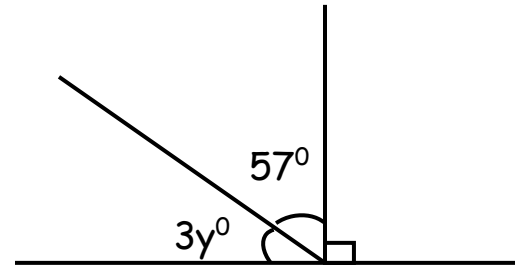
Hours	Minutes
4	15
- 2	39

24. Find the value of the unknown in the figure below.

(a) (2 marks)



(b) (3 marks)



25. A driver covered a distance of 120km in $1\frac{1}{2}$ hours.

(a) Work out his average speed.

(3 marks)

(b) Find the distance he would have covered in $2\frac{3}{4}$ hours.

(2 marks)

26. The table below shows marks scored by the pupils in a mathematics test.
Use it to answer questions that follow.

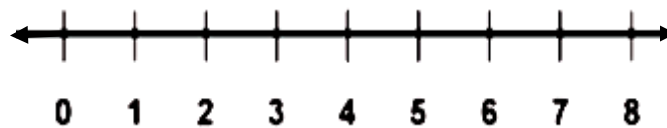
Marks	70	40	30	50
Number of pupils	3	4	2	1

(a) How many pupils scored above the modal mark? (2 marks)

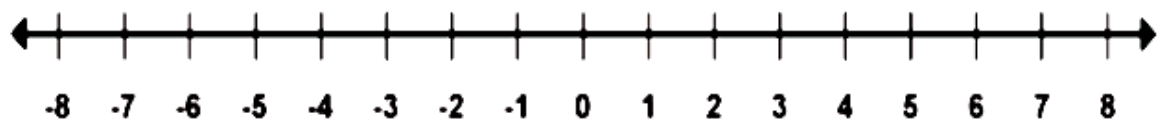
(b) Work out the mean mark. (3 marks)

27. Use a number line below to work out;

(a) 3×2 (2 marks)



(b) $-5 + +7$ (3 marks)



28. Using a pair of compasses, a ruler, and a sharp pencil only.

(a) Construct a triangle PQR where line PQ = 7cm, angle RPQ = 60° and line PR = 5cm. Drop a perpendicular from point R to meet line PQ at M.

(4 marks)

(b) Measure angle PQR. _____

(1 mark)

29. I am now **M** years old and my youngest sister is five years old. In seven years' time, I will be four times as old as my sister.

(a) How old am I now?

(3 marks)

(b) How old will the sister be in seven years time?

(1 mark)

30. The table below shows a list of scholastic materials, which a candidate bought for use at school.

(a) Complete the table.

(4 marks)

Item	Quantity		Amount
Ball point pens	$\frac{1}{2}$ dozen	Sh. 700	Sh. _____
Pencils	_____	Sh. 300	Sh. 5,400
Counter books	_____	Sh. 4,500	Sh. _____
Total expenditure			Sh. 36,600

(b) If the candidate went with four ten thousand shilling notes, find her change

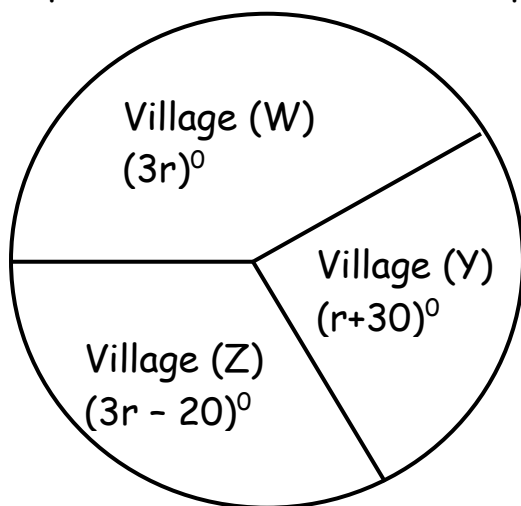
(2 marks)

31. Work out :

(a) $\frac{3}{4} + \frac{1}{3} - \frac{1}{2}$ (2 marks)

(b) $\frac{0.72 - 0.21}{0.3}$ (3 marks)

32. The pie chart below shows the population of people in three villages.



(a) Find the value of r . (3 marks)

(b) Given that the population of village Y is 108 people. Find the population of village (W) (3 marks)

