



HILLSIDE PRIMARY SCHOOL- NAALYA

MID TERM ONE

P.6 MID-TERM I EXAMINATION - 2024

MATHEMATICS

Time allowed : 2 hours 30 minutes

Name of Candidate

Name of School.....

Name of District.....

Read the following instructions carefully:

1. This paper has **two** sections: **A** and **B**.
Section **A** has **20** questions and section **B** has **12** questions.
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" and boxes inside the question paper.

FOR EXAMINERS' USE ONLY		
QN. NO.	MARKS	EXR`S NO.
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26		
27 -28		
29 -30		
31 - 32		
TOTAL		

SECTION A (40 MARKS)

Answer **all** questions in this Section

Questions **1** to **20** carry two marks each

1. Add: 5 3

$$\begin{array}{r} + 4 \ 2 \\ \hline \end{array}$$

2. Write 77,019 in words.

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3. Set $Q = \{ 2, 4, 8 \}$ List all the subsets of set Q.

4. Divide: 2424 by 4.

5. Work out the sum of the next two numbers in the sequence.

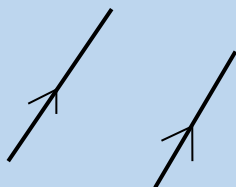
1 , 3 , 6 , 10 , 15, _____, _____

6. Write **XLVIII** in Hindu Arabic numerals.

7. How many $\frac{1}{3}$ chapattis can you get from 3 whole chapattis?

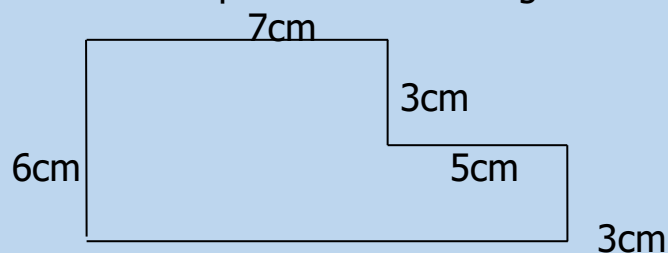
8. Work out: $-4 + -5$

1. What special name is given to the pair of lines below?



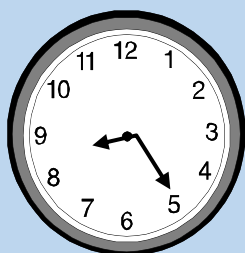
10. A mathematics lesson which started at 9:30 am ended at 11: 00 am. How long did it take?

11. Find the perimeter of the figure below.



12. Given that $a = 2$, $b = 3$ and $c = 5$. Find the value of $2a + 3c - b$.

13. Write the morning time shown on the clock face below in 24-hour clock.



14. Arrange -7, +7, +5, -9, 0 beginning from the biggest.

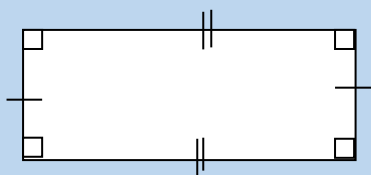
15. What number is represented by the tallies?

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16. A tailor made a dress at a cost of sh. 35000 and sold it at sh. 22000. What percentage loss did he make?

17. Solve: $21 = 6 + x$.

18. How many lines of symmetry has the figure?



19. Add: $\frac{3}{20} + \frac{2}{5}$

20. Mukisa's cow gives 6700 milliliters of milk every day. Express its milk production in litres.

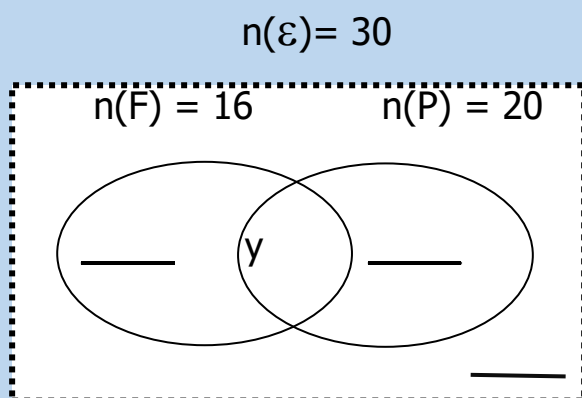
SECTION B: 60 MARKS

Answer **all** the questions in this Section.

Marks for each question are indicated in brackets.

21. At a party of 30 friends, 16 drank Fanta (**F**) , 20 drank Pepsi cola(**P**) , 4 did not drink any of the two but some (**y**) drank both drinks.

- a) Complete the Venn diagram below. (3 marks)



- (b) How many drank both Fanta and Pepsi cola? (2 marks)

- (c) How many pupils drank only one type of soda? (1 mark)

22. Using a ruler , pencil and a pair of compasses only, construct a square **PQRS** in a circle of radius 5.3cm. (4marks)

- 23.(a) Draw beads to show **4205** on the abacus below. (1mark)

TH H T O



- (b) Round off **9674** to the nearest hundreds. (2marks)

- (c) Expand **6482** using place values. (2marks)

24. Kristi scored the following marks in series of home work tests.

60, 52, 40, 60 and 78.

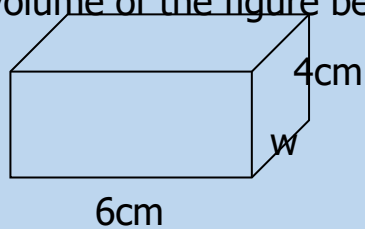
(a) Find his range. (*1mark*)

(b) Work out his median. (*2marks*)

(c) Calculate his mean. (*2marks*)

25. Use the figure below and answer the questions that follow.

The volume of the figure below is 120cm^3 .



(a) Find the value of w . (*2marks*)

(b) Find its total surface area. (*2marks*)

26. Okello went to the market and bought the following items.

2kg of sugar at sh. 3500 per **kg**.

$1\frac{1}{2}$ kg of meat at sh. 10000 per **kg**.

5 tins of blue band at **sh. 6000**.

2 loaves of bread at sh. 4000 **per loaf**.

a) Calculate his total expenditure. (*4marks*)

(b) If Okello remained with change of sh. 4000, how much money had he at first? (*1mark*)

27a) Arrange $\frac{2}{3}, \frac{1}{5}, \frac{5}{6}, \frac{1}{4}$ in ascending order. (2marks)

(b) In a class of 600 pupils, $\frac{2}{3}$ of them eat meat and the rest eat fish. How many more pupils eat meat than those who eat fish? (3marks)

28a) The sum of $2x$, x and 12 is 30. Find the value of x . (2marks)

(b) Solve: $\frac{2P}{5} = 12$. (2marks)

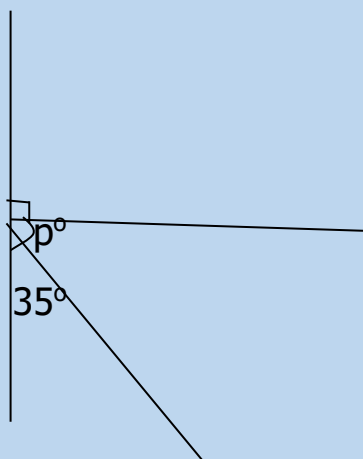
(c) Think of a number, add 27 to it. The answer is 42. What is the number?
(2marks)

29. (a) A mini bus was travelling at an average speed of 80kmper hour. It travelled for $3\frac{1}{2}$ hours. What distance did it cover? (2marks)

(b) Work out: **Wks** **Days** (2marks)

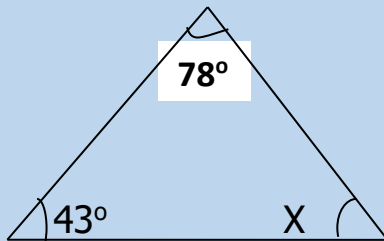
4	5
+ 2	4
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30. (a) What is the size of the angle marked P? (2marks)

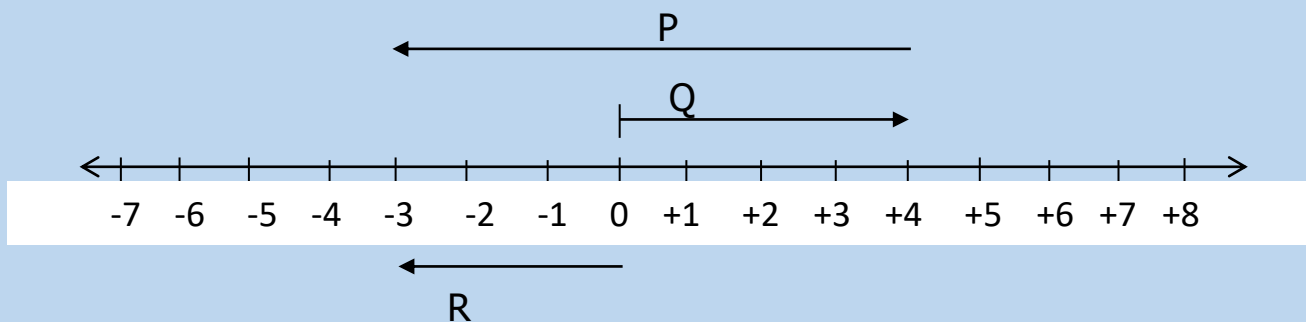


(b) How many degrees are there in three quarter turns? (2 marks)

(c) Find the size of the angle marked X. (2marks)



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



a) Write down the integers represented by letters. (1mark each)

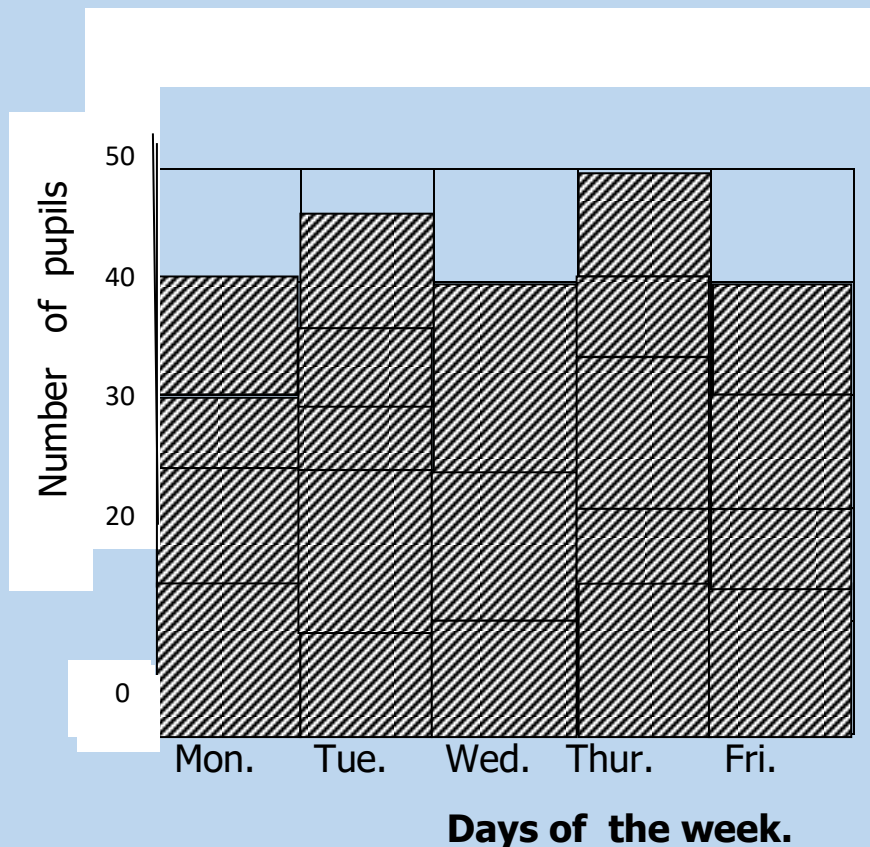
(i) P

(ii) R.....

(iii) Q

(b) Write down the mathematical statement shown on the number line. (*2marks*)

32. The graph below shows the number of pupils who attended school for a week.



(a) How many pupils were present on Tuesday? (*1 mark*)

(b) If all pupils were present on Thursday, how many pupils were absent on Wednesday? (*2 marks*)

(c) Calculate the average attendance of the week. (*2marks*)

END

