



# FLOURISH OF EXCELLENCE

2024

MATHEMATICS

*Time Allowed: 2 hours 30 minutes*

PRIMARY SEVEN MID FEB EXAMINATIONS

Pupil's Name: .....

School ..... District.....

**Read the following instructions carefully:**

1. Do not write your **school** or **district name** anywhere on this paper.
2. This paper has two sections: **A** and **B**.  
Section **A** has **20** questions and  
Section **B** has **12** questions. The paper  
has **14 printed pages** altogether.
3. Answer **all** questions. **All** answers to both  
sections **A** and **B** must be written in the  
spaces provide
4. **All** answers **must** be written using a **blue**  
or **black** ball point pen or ink. Any work  
written in pencil will **not** be marked.
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"** 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 - 44		
25- 26		
27 - 28		
29 - 30		
31 - 32		
TOTAL	TOTAL	

## **SECTION A: 40 MARKS**

**Questions 1 to 40 carry one mark each**

1. Add: 432

$$\begin{array}{r} + 456 \\ \hline \\ \hline \end{array}$$

2. Given that set  $A = \{a, b, c, d, e\}$  and  $B = \{a, b, u, d\}$ . Find  $A \cap B$ .

3. Write 54 in Roman numerals.

4. Work out:  $\frac{4}{7} + \frac{2}{7}$

5. Round off 438 to the nearest tens.

6. Increase 400 cows in the ratio 3:2

7. A factory produces 225 pens daily. How many pens will a factory produce in a week?

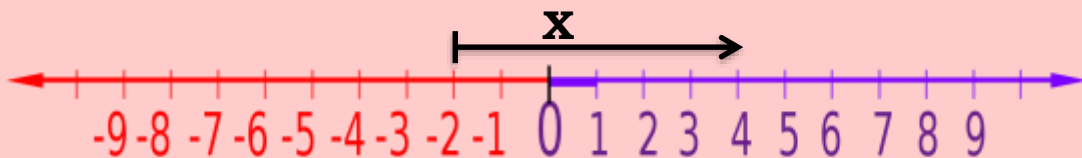
8. The cost of 1 US\$ dollar to Uganda shillings is 1 US\$=ugsh.3500, find the cost of Uganda shillings for 10 US\$.

9. The school bursar has a receipt book with receipts numbered consecutively from 201 to 250. How many receipts are in the receipt book?

10. Solve:  $K+5=20$

11. Desire ate a  $\frac{1}{2}$  of the sugar cane on Monday she ate  $\frac{1}{3}$  of the same sugar cane on Tuesday. Find the total fraction she ate in two days

12. Find the integer represented by arrow **X**.



X = \_\_\_\_\_

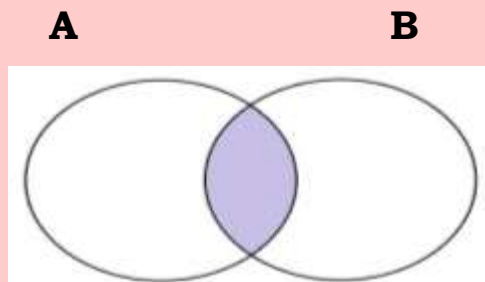
13. Find the distance a driver covers in 2 hours at a speed of 90 km/hr.

14. Nambozo scored the following marks in a series of tests 45%, 67%, 80%, 45%, 67%, 40%, 50%. Find her range in marks.

15. Find the next number in the sequence.

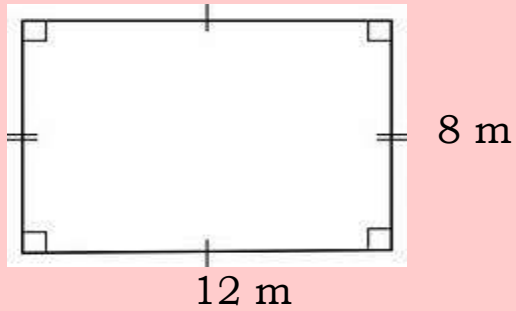
2, 5, 8, 11, 14\_\_\_\_\_

16. Describe the shaded part in the Venn diagram below.



17. Write 2023 in expanded form using values.

18. Vanessa moved around the piece of land below once; Find the total distance she covered.



19. Simplify:  $\frac{2}{3} \div \frac{4}{3}$

20. Express 2:5 as a fraction.

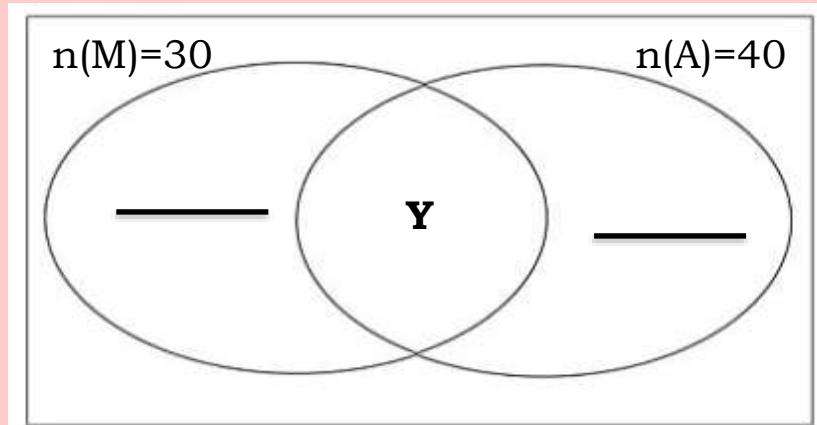
### **SECTION B: (60 MARKS)**

21. In p.6 class there are 60 pupils, 30 pupils support Manchester united (M), 40 support Arsenal (A), Y pupils support both team

a). Use the information above to complete the Venn diagram below.

$$n(\epsilon) = 60$$

(2 marks).



b). Find the value of **Y** (2 marks)

c). Work out the number of pupils who support one team.

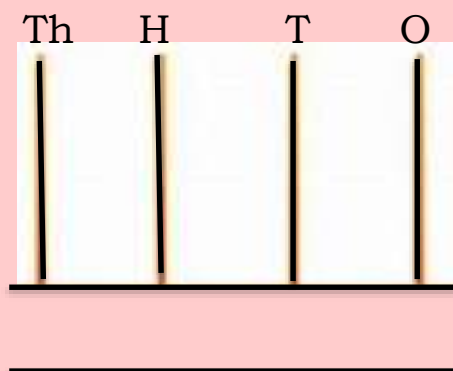
(2 marks)

22. Given the numeral. 3845.

a). Write the given numerals in words (2 marks)

b). Expand the numeral above using value. (2 marks)

c). Represent the above numeral on the abacus below (1 mark)





23. a). Study the shopping bill below and answer the questions that follow. Complete the table correctly. (5 marks)

Item	Quantity	Unit cost	Total costs
Meat	2kg	Sh.10,000 per kg	Sh.....
Rice	.....	Sh.3,000 per kg	Sh.9,000
Cooking oil	1 $\frac{1}{2}$ litres	Sh.....	Sh.9,000
Salt	2 kg	Sh.....	Sh.2,000
Total expenditure			.....

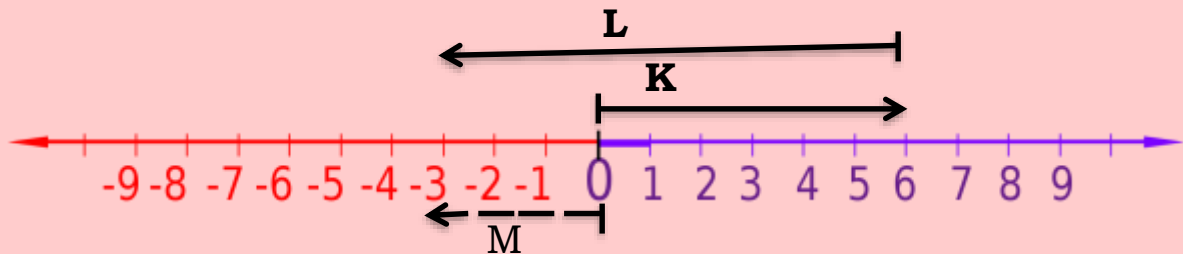
b). If Nakibuuka had sh.50,000, find her change. (1 mark)

24. using a pair of compasses, a ruler and a pencil only construct a rectangle ABCD such that AB=8cm and BC=6cm. (4 marks)

b). Find the perimeter of the rectangle constructed above.

(2 marks)

25. Study the number line below and answer the questions about it.



a). Write integer represented by the arrows KLM. (1 mark each)

(i) K \_\_\_\_\_ (ii) L \_\_\_\_\_ (iii) M \_\_\_\_\_

b). Write the mathematical statement represented on the number line above  
(1 mark)

26 a). Work out  $\frac{0.7 \times 0.6}{0.3}$

(3 marks)

b). Change 0.6 to a common fraction

(2 marks)

27. Given the digits 4, 5, 3 and 1.

a). Form the smallest four digit number using the digits.

(1 mark each)

b). Write the largest four digit numbers using the digits.

c). Find the sum of the smallest and the largest four digit numbers formed above.

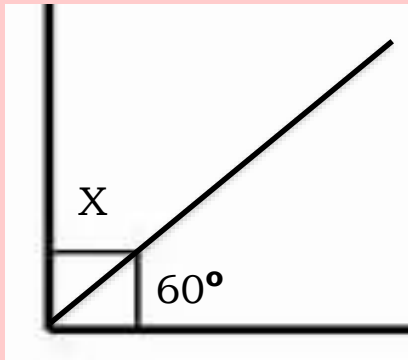
(2 marks)

28.a). The sum of three consecutive counting numbers is 39.find the numbers (3 marks)

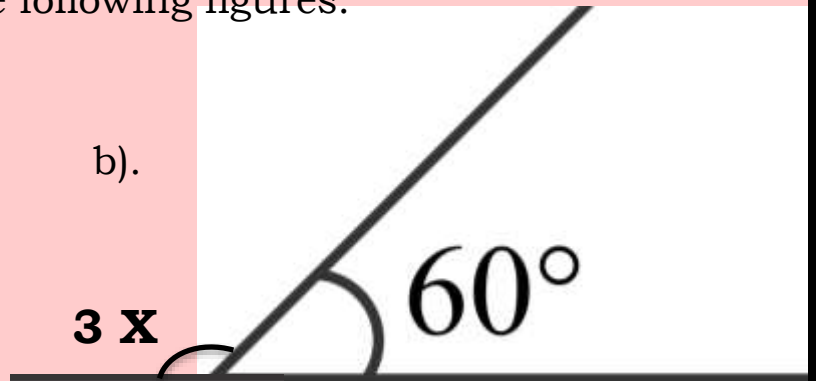
b). Find the range of the numbers (1 mark)

29. Find the value of **X** in the following figures.

a).



b).



30. A group of pupils in P.6 were asked to mention the number of members in their families. Here is the record a teacher collected.  
7, 8, 7, 6, 9, 7 and 5.

a). Find the mode (1 mark)

b) Calculate the range (1 mark)

c). What is the median (2 marks)

d). Calculate the average number of families (2 marks)

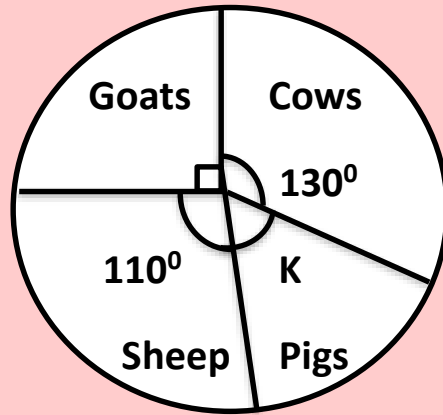
31. a). Work out: 4 8 7 (2 marks)

$$\begin{array}{r} 487 \\ +513 \\ \hline \hline \end{array}$$

b). Subtract: 4 5 5 (2 marks)

$$\begin{array}{r} 455 \\ -226 \\ \hline \hline \end{array}$$

32. The pie-chart below shows how 72 animals are distributed on Mr. Enyogu's farm. Use it to answer the questions that follow.



a). Find the value of K (2 marks)

b). How many cows are on the farm? (2 marks)

c). Express the sector for goats as a percentage. (2 marks)

**THE END I WISH YOU SUCCES**