



**THE ORBIT EXAMINATIONS BOARD**  
**PRIMARY FIVE MID-TERM II EXAMINATIONS**  
**2024**

**MATHEMATICS**

***Time Allowed: 2 hours 30 minutes***

Admission No.						Personal No.		

**Student's name:**.....

**Student's signature:**.....

**School name:**.....

**District name:**.....

**Read the following instructions carefully:**

1. Do not forget to write your **school** and **district name** on this paper.
2. This paper has two sections: **A** and **B**. Section **A** has **20** questions and section **B** has **12** questions. This paper has 12 printed pages altogether.
3. Answer all questions. **All** the workings for both section **A** and **B** must be shown on the spaces provided.
4. All answers must be written using a blue or a black ball point pen or ink. Any work done in pencil other than graphs and diagrams will not be marked.
5. **No calculators** are allowed in the examination room.
6. Unnecessary **alteration** of work and handwriting that cannot easily be read may lead to loss of marks.
7. Do not fill anything in the table indicated **"for Examiner's Use only"** and boxes

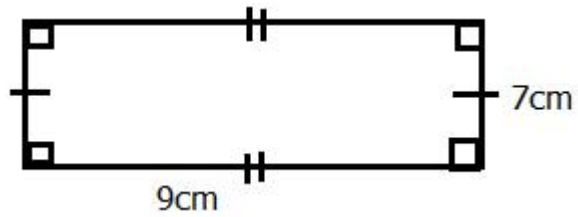
FOR EXAMINER'S USE ONLY		
Qn. No.	MARKS	EXR'S NO.
1-5		
6-10		
11-15		
16-20		
21-22		
23-24		
25-26		
27-28		
29-30		
31-32		
TOTAL		

**Section A: 40 MARKS**

Answer **all** Questions In This Section  
Question 1 To **20** Carry Two Marks Each

1. Add:  $106 + 3674$
  
  
  
  
  
  
  
  
  
  
2. Nicole cut a piece of sugarcane 600cm in length. Find the length of the the sugarcane in metres.
  
  
  
  
  
  
  
  
  
  
3. Draw a venn diagram to show that all boys (B) are males (M).
  
  
  
  
  
  
  
  
  
  
4. Bernice bought a score of books at sh. 3000 per book. How much money did she spend altogether?
  
  
  
  
  
  
  
  
  
  
5. Omongot was born in 1994. write the year he was born in Roman numerals.

6. An insect moved around the rectangular flower garden below once. Find the distance it covered.



7. Find the next number in the sequence below;  
2 , 3 , 5 , 7 , \_\_\_\_\_

8. Convert 19kg into grams.

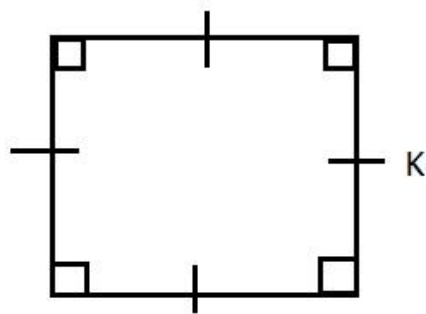
9. Ekwith had  $\frac{2}{3}$  of the cake and he gave  $\frac{1}{3}$  to Areke. What fraction of the cake did he remain with?

10. Simplify:  $3y - 2k + 4y + 9k$

11. Draw a clock face and show a half past 2.


12. A dice is tossed once, what is the chance that a triangular number will show up?

13. The area of a square below is  $64\text{cm}^2$ . find the value of k.



14. Workout:  $3 + 5 = \underline{\hspace{1cm}} \pmod{7}$  using a number line

15. Use Napier's rod method to workout the product of 234 and 45.

16. If  represents 5 flowers, how many such pictures will represent 35 flowers?

17. Kato bought a shirt at sh. 12000. He sold it and made a profit of sh. 3000. What was his selling price?

18. How many half litre cups can fill a twenty litre jerrycans of Water?

19. Solve:  $4x = 24$

20. Martin walks 15km from his home to the market. Express the distance in metres.

## SECTION B: 60 MARKS

Answer **all** questions in this section

Marks for each question are indicated in brackets

21. (a) Workout

( 01 Mark)

HRS    Minutes

13      20

+ 2      55

\_\_\_\_\_

(b) A cyclist rode for 3 hours at a speed of 40km per hour. Calculate the distance he travelled

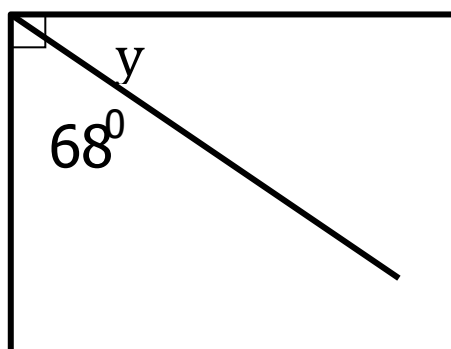
(02 Marks)

(c) How many hours are there in 5 days?

(02Marks)

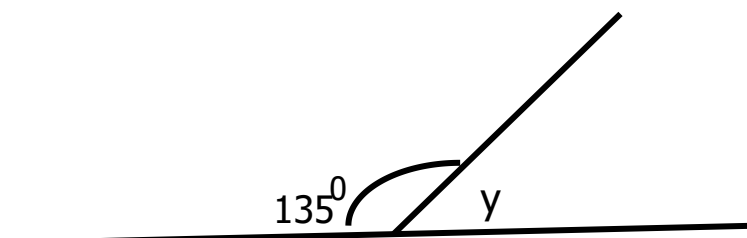
22. Find the size of the unknown angles.

(a)



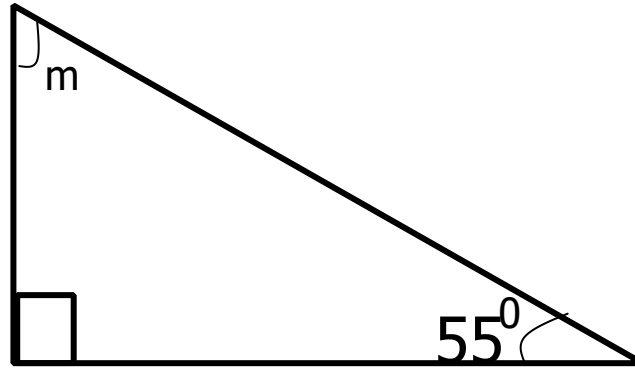
(02 Marks)

(b)



(03 Marks)

(c)



23. Chake bought the following items

**4kg of millet at sh. 1500 per kg.**

**3 bars of soap at sh. 2500 each bar.**

**500 grams of salt at sh. 1000 per kg.**

**2  $\frac{1}{2}$  kg of meat at sh. 8000 per kg**

(a) Find her total expenditure

(05 Marks)

(b) How much was her change?

(01 Mark)

24.(a) Solve:  $\frac{w}{4} = 7$

(02 Marks)

(b) Solve:  $y + y + y + y = 12$

(02 Marks)

(c) Think of a number and add 30 to it. The answer is 48. What is the number?

(02 Marks)

25. Hussein scored the following marks in Mathematics mixed exercises; 10, 20, 35, 10, 40, 15, 10

(a) Find the modal mark.

(01 Mark)

(b) What is the median mark?

(01 Mark)

(c) Find the range.

(01 Mark)



(d) Work out the mean mark.

(02 Marks)

26. (a) Express  $\frac{2}{5}$  as a decimal.

(02 Marks)

(c) Arrange the following fractions starting with the smallest

(02 Marks)

$\frac{2}{3}$  ,  $\frac{1}{2}$  ,  $\frac{5}{6}$  ,  $\frac{1}{4}$

(d) Express 0.6 as a common fraction to its lowest terms

(02 Marks)

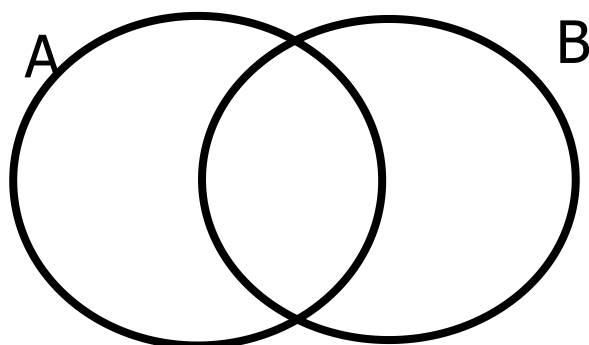


27. Given that  $A = \{3, 4, 5, 6\}$

$B = \{3, 5, 7, 8\}$

(a) Complete the venn diagram below

(02 Marks)



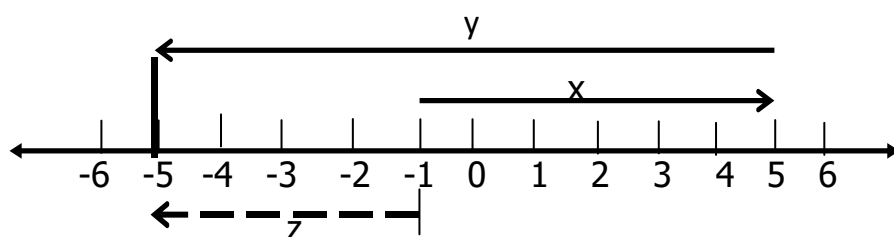
(b) List the members in set A  $\cap$  B

(01 Mark)

(c) Find the number of subsets in set  $A \cap B$ ?

(01 Mark)

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



(a) Find the integers represented by the arrows

(03 Marks)

(i) X \_\_\_\_\_

(ii) Y \_\_\_\_\_

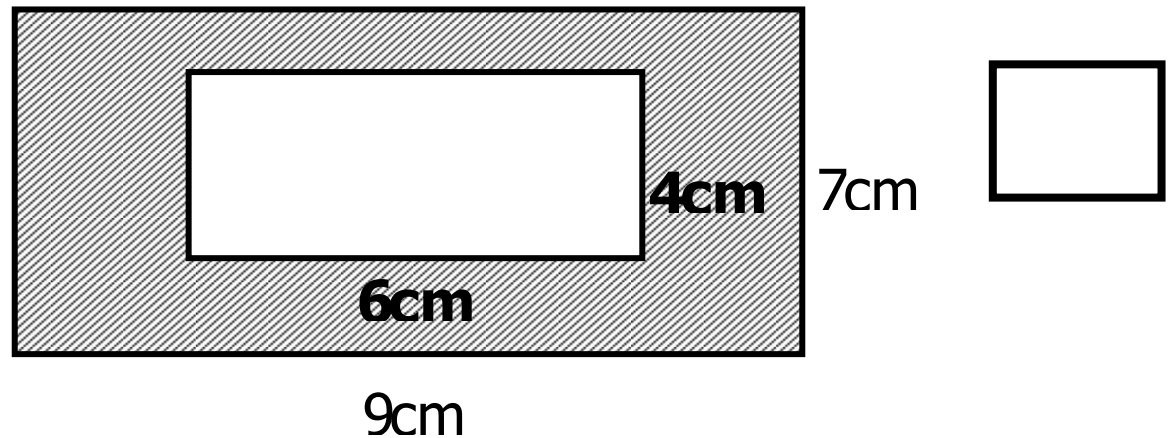
(iii) Z \_\_\_\_\_

(b) Write the mathematical sentence shown on the number line

(02 Mark)

29. Find area of the shaded part

(04 Marks)



30. A man had sh. 1000. He gave away  $\frac{2}{5}$  to his wife. How much money did he give to his wife?

(02 Marks)

(b) How much money did he remain with?

(02 Marks)

(c) A Mathematical lesson takes  $\frac{2}{5}$  of an hour. How long is the Mathematics lesson in minutes?

( 02 Marks)

31. Using a pencil, a ruler and a pair of compasses only, construct a square of side 5cm. (05 Marks)

32. a) convert  $211_{five}$  into decimal base. (2 marks)

- b) Find the sum of  $234_{five}$  and  $32_{five}$  (2 marks)