

# LAMWO DISTRICT PRIMARY SCHOOLS EXAMINATIONS BOARD

## P.7 PRE-MOCK TERM II ASSESSMENT 2024

### MATHEMATICS

Time allowed: *2 Hours 30 Minutes*

Index No.	Random No.						Personal No.		

Candidate's Name: .....

School: .....

Candidate's Signature: .....

District: .....

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

**Read the following instructions carefully:**

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

1. This paper has two Sections: **A** and **B**.
2. Section **A** has **20** questions. (**40marks**)
3. Section **B** has **12** questions. (**60marks**)
4. All the working for both section **A** and **B** must be shown in the space provided.
5. All answers **must** be done using a **blue** or **black** ball-point pen or fountain pen.
6. Any handwriting that cannot be easily read may lead to **loss of marks**.
7. Do not fill anything in the boxes indicated:  
“**For Examiners' Use Only**” and those inside the question papers.

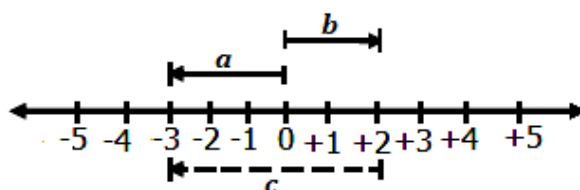
Turn Over

## SECTION A: (40 MARKS)

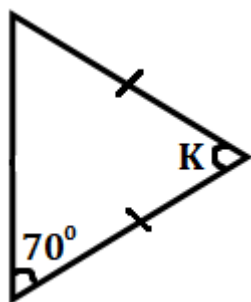
1. Workout:  **$40 + 24$**
2. Write **1,020** in words.
3. Given that **Set K** has **31** proper subsets. Find the number of elements in **Set K**.
4. Find the next number in the sequence below.  
**125, 64, 27, 8, \_\_\_\_\_.**
5. Express **0.3636** — — — as a common fraction to its simplest form.
6. Find the median of **3, 5, 7, 9, 11** and **13**.
7. The probability of choosing a girl to lead the anthem during morning assembly is **0.4**. What is the probability of choosing a boy?
8. Using a ruler and a pair of compasses only, construct an angle of  **$135^\circ$**  in the space provided below.
9. Joyce arrived in Uganda with **Ksh. 15,000**. She converted it to Uganda shillings. How much Uganda shillings did she get if **1ksh = Ugx 32**?
10. Express **40cm** as metres.

11. Solve for **n**:  $n + 4 = 1$

16. Write the mathematical statement represented on the number line below.



12. Calculate the size of angle marked **K** in the diagram below.



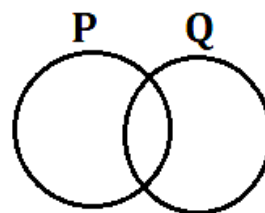
17. How many **250g** of NOMI packets can be obtained from a 4kg bucket of NOMI?

13. Express **4608** in scientific notation.

18. Use distributive property to work out;  $(54 \div 9) - (27 \div 9)$

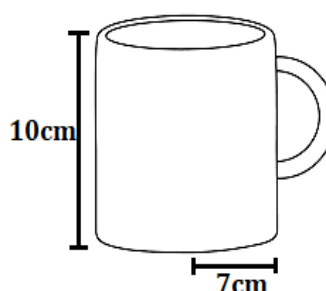
14. Given that  $x = \frac{1}{3}$  and  $y = \frac{1}{6}$ .  
Find  $\frac{x}{y}$

19. In the venn diagram below, shade set  $(Q - P)$ .



15. A school has enough food to feed **120** pupils for **5** days. How long will the food last to feed **200** pupils?

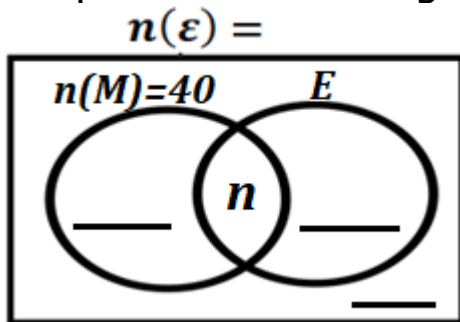
20. Calculate the volume of the figure below (Take  $\pi = \frac{22}{7}$ )



## SECTION B (60 MARKS)

21. In a class, **40** pupils like Mathematics (**M**), **2n** like English (**E**) only, **n** like both Mathematics and English while **5** pupils like none of the two subjects.

a) Complete the venn diagram below.



**(3 marks)**

- b) If **30** pupils like English, how many pupils like both subjects?

**(2 marks)**

22. a) Convert:  $103_{five}$  to base three.

**(2 marks)**

b) Workout:

$$\begin{array}{r}
 1 \quad 0 \quad 0 \quad 1_{\text{two}} \\
 + \quad 1 \quad 1 \quad 1_{\text{two}} \\
 \hline
 \\
 \hline
 \end{array}$$

**(2 marks)**

23. Divide:

a)  $\underline{24} \overline{)29880}$

**(2 marks)**

b) Workout:  $7 - 8 + 11$

**( 2 marks)**

24. a) Workout:

Hrs Mins

7 40

– 4 50

\_\_\_\_\_

\_\_\_\_\_

(2 marks)

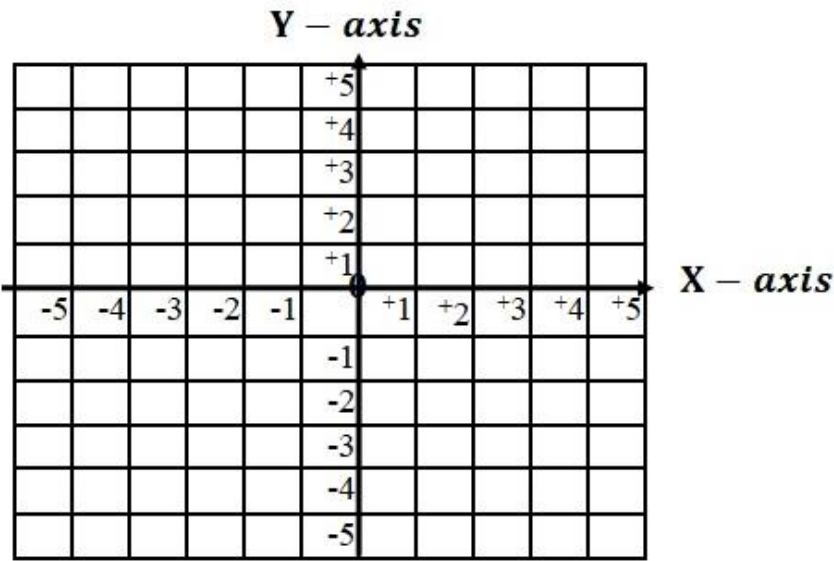
b) A cyclist covered a distance at a speed of **80km/hr** from **8:00am** to **11:30am**. Calculate the distance covered.

(3 marks)

25. Given the points; **A (-3,2)**, **B (1,2)**, **C (-3,-3)** and **D (4, -3)**

a) Plot the points on the graph below.

(4 marks)



- b) Join **A** to **B** to **D** to **C** and **C** to **A**.

c) What name is given to the figure formed?

(1 mark)

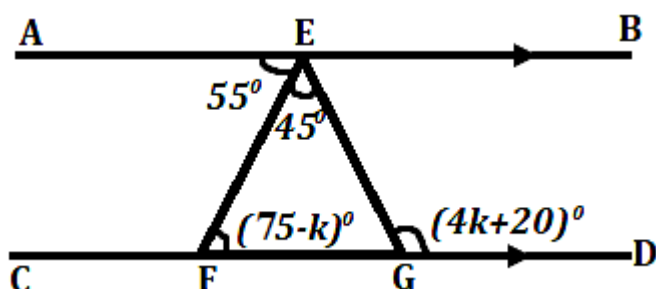
d) Find the area of the figure formed.

(2 marks)

26. A tailor used  $\frac{3}{8}$  of roll of cloth in making shirts and  $\frac{2}{5}$  of the remainder in making trousers. He was left with **9** metres. How long was the roll of the cloth at first? **(6 marks)**



27. Study the figure below and answer the questions that follow.



- a) Find the value of **K**. **(3 marks)**

- b) Calculate the size of angle **EFG**. **(2 marks)**

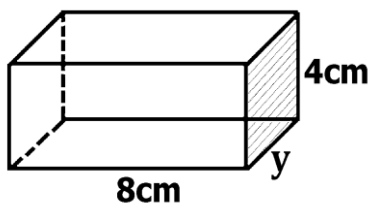
28. Anita paid **£1,517** for her car and Nancy paid **USD 2,240** for hers.  
a) Who paid more money in Ugandan shillings? (Use **£1=Ugx 5,200** and **USD1=Ugx 3,500**) **(5 marks)**

b) Find the difference in the amount of money they paid in Ugandan shillings. **(1 mark)**

29. a) Solve and write the solution set for **m**.  $2m+3 < 15$ . **(2 marks)**

b) A mother is **3** times as old as her daughter. Their total age is **48** years. How old is the daughter? **(3 marks)**

30. Below is a cuboid. Use it to answer the questions that follow.



a) If the volume of the given cuboid is  $224\text{cm}^3$ , find the value of  $y$ . **(3 marks)**

b) Work out the area of the shaded part of the cuboid above. **(2 marks)**

31. The sum of **3** consecutive even numbers is **60**. If the biggest number is represented by  $y$ , find all the three even numbers. **(4 marks)**

32. Given the numbers;  
**8, 7, 5, 9, 3, 7, 4, 7, 4.**

Find the ;

a) Mode

**(1 mark)**

b) Range

**(1 mark)**

c) Mean

**(2 marks)**

**THE END**