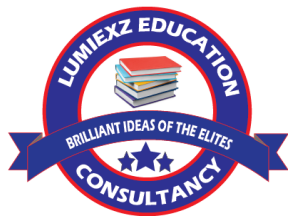


LUMIEXZ EDUCATION CONSULTANCY-KAMPALA

0783644808 / 0766442232



PRIMARY SEVEN MOCK EXAMINATION SET I 2025

MATHEMATICS

Time allowed: 2Hrs 30Mins

Random No.						Personal No.		

CANDIDATE'S NAME:

CANDIDATE'S SIGNATURE:

DISTRICT NAME:

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

Read the following instructions carefully:

1. This paper is made up of **two** section: **A** and **B**.
2. Section **A** has **20** questions (**40marks**)
3. Section **B** has **12** questions (**60marks**).
4. Answer **ALL** questions in both section **A** and **B**.
5. **All** answers **must** be written in the space provided in **blue** or **black ball point pens** and ink. Only **diagrams** should be done in pencil.
6. Unnecessary crossing of answers will lead to **loss** of marks.
7. Any handwriting which **cannot** easily be read may lead to loss of marks.
8. **Do not** fill any thing in the boxes indicated for examiner's use only. **"FOR EXAMINER'S USE ONLY"** and boxes inside the question paper.

FOR EXAMINERS USE ONLY		
QN. NO.	MARK	<u>SIGN</u>
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

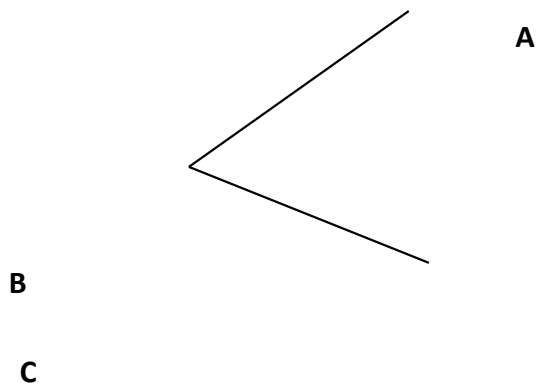
Turn Over

SECTION A. (40 marks)

1. Work out $18 \div 2$
2. Write $\frac{9}{10}$ in words.
3. Given that $P = \{2, 3, 4, 5\}$ and $Q = \{2, 4, 6, 8\}$ find $n(PQ)$
4. Work out $\frac{1}{9} \times \frac{3}{4}$
5. Simplify $6xy - 2xp - xy + 9 \times p$

6. Find the next number in the sequence 88, 44, 22, 11,

7. Bisect the acute angle ABC below.



8. A trader bought a trouser at sh. 85,000. He later sold it and made a loss of sh. 12500. At what price did he sell the trouser?

9. The mass of a packet of coffee is $\frac{1}{4}$ kg. What is this mass in grams?

10. Work out $3\ 1\ 2_{\text{five}}$

$- 1\ 3_{\text{five}}$

11. Given that $w = 4$ and $K = -3$, evaluate $2w + k$

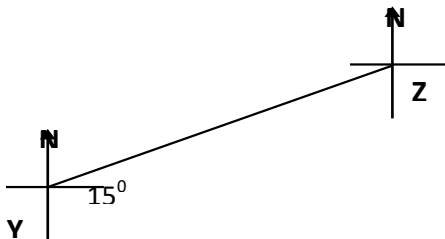
12. The mean age of 7 boys is 11 years. When one boy leaves the group, the mean age becomes 12 years. What is the age of the boy who left the group?

13. Find the square root of $1\frac{7}{9}$

14. Write the number whose scientific form is 6.94×10^{-2} .

15. A cyclist covers 70km in $2\frac{1}{2}$ hrs. How long will he take to cover 21km at the same speed?

16. Find the direction of point Y from point Z in the diagram below.



17. Solve $4^{3m} \div 4^m = 4$

18. Mary slept at 1215 hrs. Express this time in the 12 hour clock.

19. A man got a loan of sh. 120,000 from micro-finance at a simple interest rate of 8% per annum. He paid an interest of sh. 7,200 on the loan. How long was the loan?

20. $33\frac{1}{3}\%$ of a number is 72. What is the number?

21. A water metre reading at the beginning of the month was 123456 and 123556 at the end of the month.

(a) How many units were used that month?

(b) If each unit cost shs. 690, calculate the water bill for the month.

22. (a) Work out $\frac{3.9 + 3.6}{0.5 \times 0.03}$

(b) Simplify $3\frac{1}{6} \div 2 \times 2\frac{2}{5}$

23. (a) Using a ruler, a sharp pencil and a pair of compasses only, construct a triangle ABC in which $AB = 8\text{cm}$, $\angle BAC = 75^\circ$ and $\angle ABC = 45^\circ$.

(b) Drop a perpendicular line from C to meet AB at K . Find the area of the triangle ABC.

24. (a) Complete the tally table below.

Mark	Tally	Frequency	Total
60	//		120
40		6	

(b) If  represents 4000 houses, draw pictures to represent 12,000 houses.

25. (a) Paul is 20 years old and Mary is 6 years old. After how many years will Paul be twice as old as Mary?

(b) How old will Mary be then?

26. A game park wants to fence a circular field of diameter 28m using poles placed at intervals of 80cm.

(a) How many poles are needed to fence the field? (Take π as $\frac{22}{7}$)

(b) If each pole costs sh.500, how much money will the game park spend on the poles?

27. The exchange rate for Kenya shillings(Ksh) to Uganda shillings (Ug sh.) and the United state dollars (US\$) to Uganda shillings are shown below;

Ksh. 1 = ug. Sh.30

US \$ 1 = Ug.sh. 2580

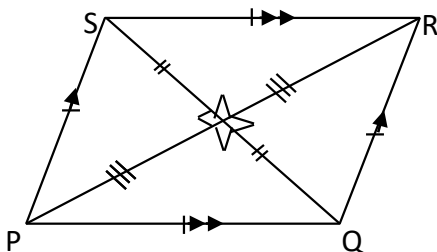
(a) How many United States dollars will one get from 21500 Kenya shillings?

- (b) If the cost of a new bicycle is 110 United States dollars, how much would this be in Kenya shillings?

28. A man drove from Kampala to Jinja at a speed of 60km/hr for 2 hours. He had a meeting which lasted for three quarters of an hour and drove back in 3 hours.

Calculate his average speed for the whole journey.

29. Below is a quadrilateral. Study it carefully and answer questions that follow.

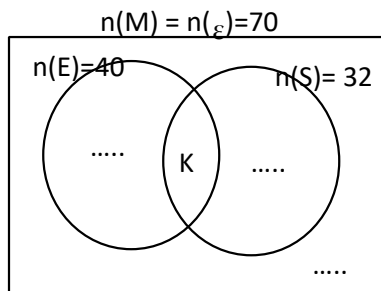


- (a) Given that its perimeter is 40cm and diagonal $QS = 12\text{cm}$, find the length of diagonal $\overline{PR}$.

- (b) Work out its area.

30. In a class of 70 pupils, all like Mathematics (M), 40 like Mathematics and English (E), 32 like Science and Mathematics like all the three subjects and 3 like only mathematics.

- (a) Complete the venn diagram below correctly.



- (b) How many pupils like either English or Science?

31. (a) Represent 6073 on an abacus.

(b) Find the product of the value of 8 and the place value of 5 in 9804.15.

32. A wheel of radius of 35cm makes 186 revolutions. What distance does it cover in kilometers?

THE END