KIRYANDONGO DISTRICT
ACADEMIC BOARD
PRIMARY LEAVING MOCK 2026
MATHEMATICS
Time allowed; 2 hours 30 minutes

RANDOM NO.						PERSONAL NO.		

CANDIDATE'S NAME: .....

CANDIDATE'S SIGNATURE: .....

SCHOOL NAME.....

DISTRICT;.....

Read the following instructions carefully:

1. The paper has **two** Sections: **A** and **B.**

2. Answer **all** questions. **All** answers to both section **A** and **B** must be written in the Space provided.

3. **All** answers must be written using a blue Or black ball-point pen or ink.

4. Unnecessary changes of work may lead to loss of marks.

5. Any handwriting that cannot easily be read may lead to loss of marks.

6. Do not fill anything in the boxes shown: **"For Examiners' Use Only"**

FOR EXAMINERS' USE ONLY

FOR EXAMINERS' USE ONLY		
Qn. No.	**Marks**	**Examiner's No.**
1 – 5		
6 – 10		
11 – 15		
16 – 20		
21 – 22		
23 – 24		
25 – 26		
27 – 28		
29 – 30		
31 – 32		
Total		

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SECTION A (40 MARKS)

1. Workout: **7 0 6 4**
   + 9 2 5

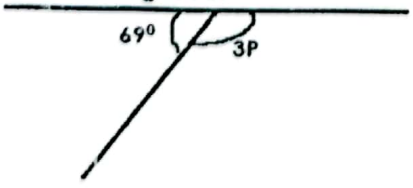
2. Write in figures: **Twenty million, two hundred two thousand, two hundred two.**

3. Find the next number in the sequence.

   1, 2, 6, 30, _____.

4. Express 400 grammes as a percentage of a kilogramme.

5. In the diagram below, find the value of **P** in degrees.



6. Simplify: **(2k + 5) – (k – 2).**

7. Change 9_{ten} to binary system.

8. Find the perimeter of a circular plate whose radius is 21dm. (Use π as $\frac{22}{7}$)

9. Write the year in which Uganda got her independence in Roman numerals.

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10. Set **A** has **2** subsets. Find **n(A)**.

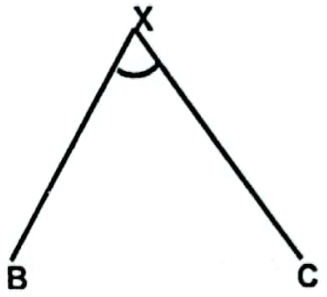
11. Given that **$2y \leq 8$**, state the solution set for **y** if **y** is a natural number.

12. It is **20** minutes past **10:00 a.m**. What time will it be when a minute hand moves through an angle of **450^0**?

13. Workout the arithmetic mean of **4, 3, 0, 6** and **7**.

14. Find the value of **$7^2 + 8^0$**.

15. Using a ruler and a pair of compasses only, bisect angle **BXC** below.



16. Peter spent $\frac{3}{11}$ of his salary on school fees and saved **sh. 660,000**. Calculate Peter's salary.

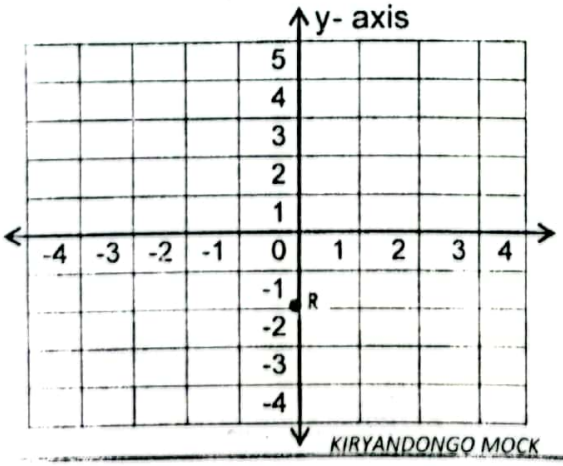
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17. Workout: **2 ÷ 3** (Finite 5)

18. Given that; **X = 2 x 3^2** and
Y = 2 x 3x 5, Find the Lowest Common Multiple **(LCM)** of **X** and **Y**.

19. Below are the exchange rates at a forex Bureau **Ksh 1** costs **Ugsh 36. US$1** costs **Ugsh 3,500**. How much money in Kenya shillings can one pay for a bicycle which costs **180** United States dollars?

20. Use the coordinate graph below to answer the questions that follow.



(a)State the coordinates of point R.

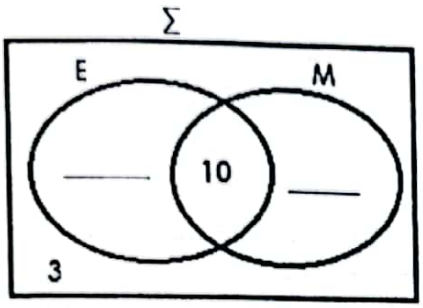
(b)Plot point **W($^+2$, $^+4$)** on the grid above.

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SECTION B (60 MARKS)

21. In a class, **(k + 22)** pupils like English **(E), (2k -5)** pupils like Mathematics**(M)** only, **10** pupils like both English and Mathematics while **3** pupils like none of the two subjects.

(a)Use the above information to complete the Venn diagram below. **(02 marks)**



(b) Given that **45** pupils like mathematics, find the value of k. **(2 marks)**

(c) A pupil is picked at random to lead the discussion, find the probability of picking a pupil who doesn't like English.

22. (a)Workout: **6.32 – 8.7 + 3.68** (02mrks)

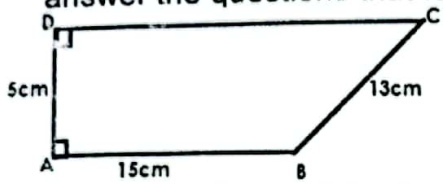
(b) **Simplify**: $\frac{1.44 \times 2.5}{0.09 + 0.63}$ (03 mrks)

23. A pipe releases water into a tank whose capacity is **54000** litres at a rate of **450** litres in every five minutes. How many hours does the tank last to get completely full? **(04 marks)**

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24. Rema learns a new dance in which she takes three steps forward followed by two steps backwards. Draw a number line to show how far from the starting point Rema will be after two measures of dance. **(5 marks)**

25. Below is a trapezoid **ABCD,** use it to answer the questions that follow.



(a) Find the length **DC. (3mrks)**

(b) Calculate the area of the trapezoid. **(2marks)**

26. A bus left town **K** for town **M** covering a distance of **130** kilometres in **2** hours. It delayed at town **M** for half an hour and then continued to town **N** travelling at a speed of **70km/h** for **1** hour **30** minutes.

(a) Find the distance from town **K** to town **N. (3 marks)**

(b) Calculate the bus' average speed for the whole journey. **(2marks)**

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27. In a parish, $\frac{5}{8}$ are females and the rest are boys. If there are **2400** more females than males.

(a)Determine the number of people in the whole Parish. **(04marks)**

(b) Find the number of males in the Parish. **(01 mark)**

28. The table below shows the scores obtained by some candidates at Pole P/S.

Marks (%)	**65**	**46**	**P**	**54**
No. of Pupils	**1**	**1**	**3**	**2**

(a) If their mean score is **60%**, find the value of **P. (3 marks)**

(b) Workout their Median score. **(2 marks)**

29. (a) Using a ruler and a pair compasses only, construct a rhombus **PQRS** in which line **PQ = 6cm** and angle **SPQ = 120^0**. **(04 marks)**

(b) Measure its diagonal **QS**.

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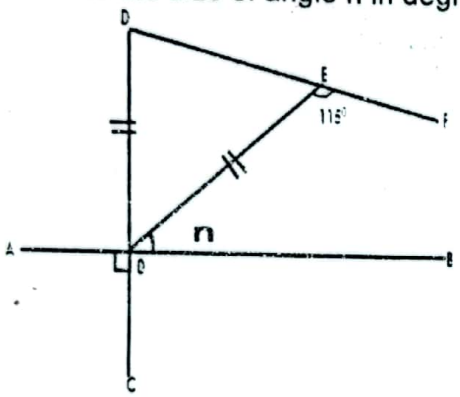
30. Musa went to the market and bought the following items.

- 2kg of meat at sh. 18,000 per kg
- 750ml of cooking oil at sh. 10,000 per litre
- 3kg of rice at sh. 2,500 per 500g
- 25 tomatoes at sh. 2,000 a heap of 5 tomatoes

Calculate Musa's total expenditure. **(5marks)**

31. In the diagram below, **AB** is a straight line and **DC** is perpendicular to line **AB** at **0** angle **OEF** is **115^0**. Use it to answer the question that follows.

Find the size of angle n in degrees. **(5 marks)**



32. Cynthia is **20** years younger than Esther. Five years ago, their total age was **60** years.

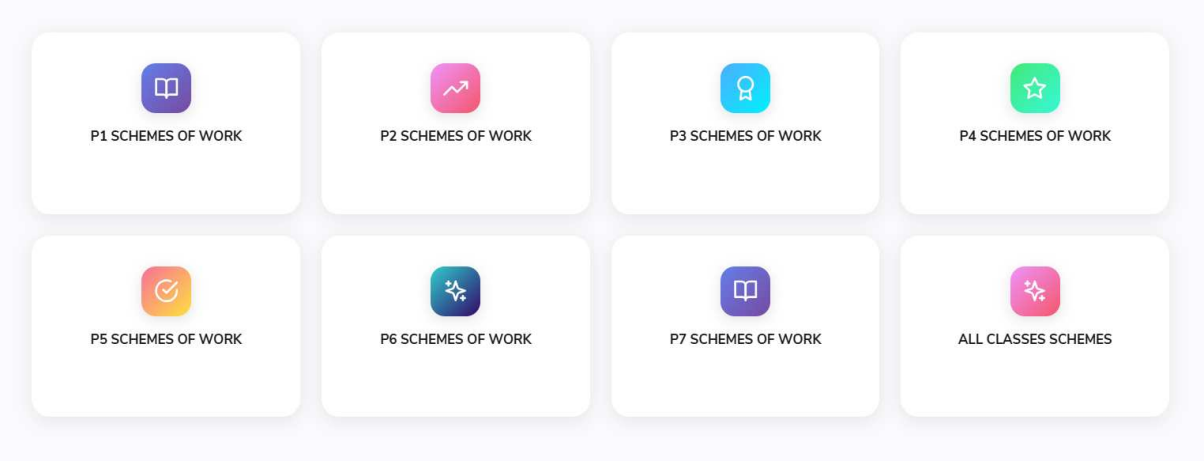
(a)How old is Esther now? **(03 marks)**

(b) How old was Cynthia then? **(02 marks)**

****End*****

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