THE CRANES EXAMINATIONS

" Ever Forward"

P.7 STANDARD EXAMINATIONS 2025

(SET 1)

MATHEMATICS

Time allowed: 2 Hours 30 Minutes

Random No.							Personal No.		

CANDIDATE'S NAME:.....

CANDIDATE'S SIGNATURE:.....

DISTRICT NAME:.....

Read the following instructions carefully:

1. This paper has **two** sections: **A** and **B.**
2. Section **A** has **40** questions (**40 marks**)
3. Section **B** has **12** questions (**60 marks**)
4. Answer **all** questions . all answers to both sections **A** and **B must** be written in the spaces provided.
5. **All** answers must be written using a **blue** or **black ball** point **pen** or **ink**. Diagrams should be drawn in a pencil.
6. **Unnecessary** changes in your work may lead to **loss** of marks.
7. Any handwriting that **cannot** be easily read may lead to **loss** of marks.
8. **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 – 10		
11 – 20		
21 – 22		
23 – 24		
25 – 26		
27 – 28		
29 – 30		
32 – 32		
TOTAL		

TURN OVER

LOCATION: KANSANGA-KL'A +256-762136454

SECTION: A

Answer **all** questions **in** this section.

Questions **1** to **20** carry **two** marks each.

1. Multiply:
$$\begin{array}{r} 205 \\ \times \quad 4 \\ \hline \\ \hline \end{array}$$

2. Shade $\frac{2}{5}$ on the diagram below.

3. Calculate the length of the side of a square field in metres whose area is 0.36 hectares.

4. Find the range of the next two numbers in the series below.
90, 87, 89, 86, 88, _____, _____

5. Simplify: 3x + 4y - 2x

6. Write twenty thousand two hundred twenty in figures.

7. Work out: $\frac{3}{5} \times \frac{2}{7}$

8. Bayati bought 0.47kg of rice. Convert the kilogrammes in grammes.

9. Set **X** has 15 proper subsets. Find the number of elements in set **X**.

10. Given that h = -3, r = 4 and y = 7. Evaluate $\frac{(hr)^2}{r} + y$

11. Share 21 oranges in the ratio 3:4

12. Add: $\frac{2}{3} + \frac{1}{5}$

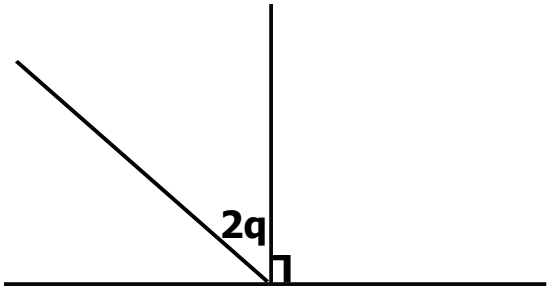
13. Find the difference between the place value of **7** and the value of **4** in the number 87946.

14. Find the expanded number$(2 \times 5^{\mathbf{1}}) + (4 \times 5^{\mathbf{3}}) + (3 \times 5^{\mathbf{2}}) + (1 \times 5^{\mathbf{0}})$

15. Work out the mean of **0,2,3,4**, and **6**.

16. Find the speed of a vehicle which moves at **30km** in **3** hours.

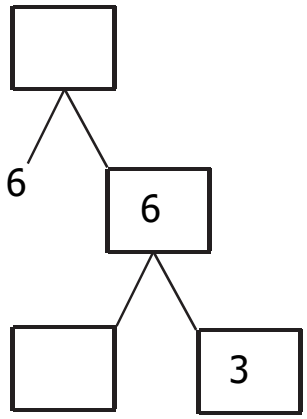
17. Find the value of angle **q**.



18. Round off 45.89 to the nearest tenths.

19. The probability of electing a girl is $\frac{3}{5}$. If there are **32** boys, how many pupils are in the class ?

20. Fill in the missing values using a factor tree.

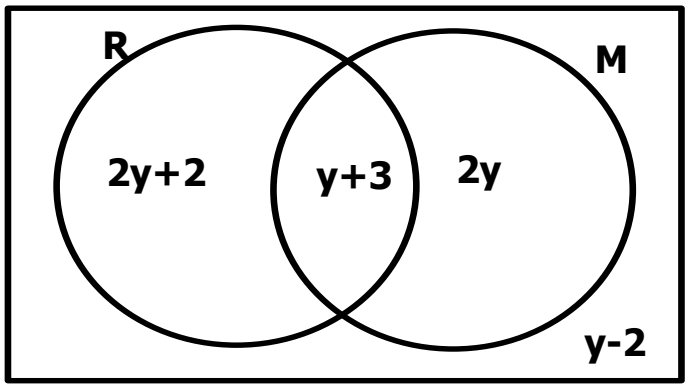


SECTION B: 60 MARKS

Answer **all** questions in **this** section.

Marks for **each** question are **indicated** in brackets.

21. In Bukatabira Primary School, boys enjoy rice(**R**) and girls enjoy matooke(**M**). Use the Venn diagram below to answer the questions that follow.



(a) Find the value of **y** if there are 12 more boys who enjoy rice than girls.

(3 marks)

(b) Calculate the total number of boys and girls in the whole school. *(2 marks)*

22. A woman spends $\frac{1}{4}$ of her income on rent, $\frac{2}{3}$ on food and 40% of the remainder on savings and the rest on clothings.

(a) Calculate the fraction for savings. *(3 marks)*

(b) If she spends shs. 90,000 on clothings, how much is her total income ?

(2 marks)

23. Bawuube is thrice the age of Kasakya. In six years' time, the difference in their ages will be 28 years.

(a) How old is Kasakya in six years' ? *(3 marks)*

(b) How old will Bawuube be in fifteen years' time ? *(2 marks)*

24.(a) If $\mathbf{2x_{four}} = \mathbf{1011_{two}}$. Find the value of **x**. *(3 marks)*

(b) Subtract:

$$\begin{array}{r} 2\ 0\ 3\ 4_{\textbf{five}} \\ -\quad\ 2\ 5_{\textbf{five}} \\ \hline \\ \hline \end{array}$$

(2 marks)

25.(a) In the space below, construct a rectangle **RSTU** in which **RS** = **8cm** and **ST** = **5cm**.

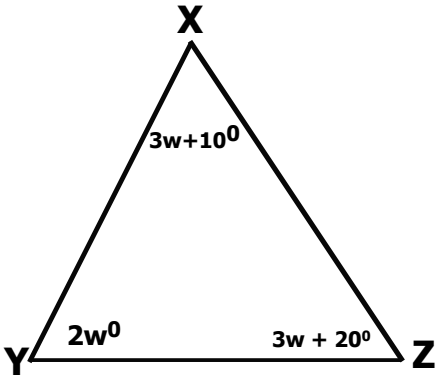
(4 marks)

(b) Measure diagonal **SU**. *(1mark)*

26.(a) Solve: $3(a + 4) - 2(2a - 4) = 8$ *(3 marks)*

(b) Evaluate: $\frac{12}{x + 4} = 2$ *(3 marks)*

27. Study the triangle **XYZ** and answer the questions that follow.



(a) Find the value of **w** in degrees. *(3 marks)*

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

28. Given the number **94528**.

(a) Write the value of digit **4** in the above number. *(2 marks)*

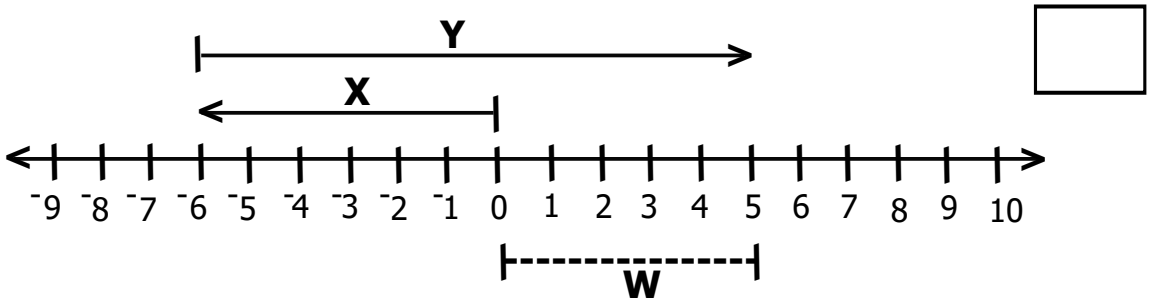
(b) Find the quotient of the value of the digit in the third position and the value of **2** in the above number.

(c) Write the above number in words. *(1 mark)*

29.(a) Express 0.3636..... as a rational number in its lowest form. *(3 marks)*

(b) Given that **x = y =** 4 and **w =** 6 ,find the value **$3x^2$ - yw**. *(2 marks)*

30. Study the number line below carefully and use it to answer the questions that follow.



(a) Write the integers for the arrows shown. *(1 mark each)*

(i) **W**= _____

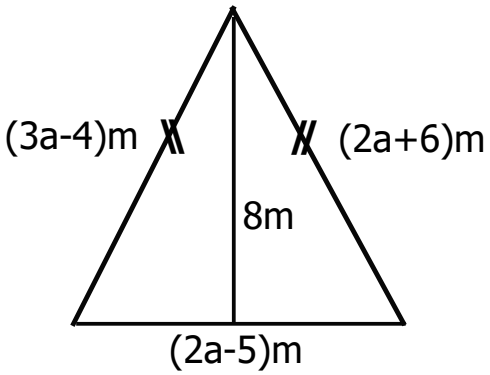
(ii) **X**= _____

(iii) **Y**= _____

(b) Write down the Mathematical statement represented by the number line.

(2 marks)

31. Use the figure below and answer the questions that follow.



(a) Calculate the value of **a** in the figure above. *(3 marks)*

(b) Find the area of the figure above. *(2 marks)*

32. The table below shows the marks scored by **10** learners of Lion Group who did a weekly test.

Marks	**60**	**70**	**80**	**90**
No. of learners	**3**	**4**	**K**	**1**

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

(b) Calculate the mean mark *(3 marks)*

END