THE CRANES EXAMINATIONS BOARD

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PRIMARY SIX ASSESSMENT 2025

MATHEMATICS

Time Allowed: 2 hours 30 minutes

Learner's Name: _____

Learner's Signature: _____

School Name. _____

Stream. _____

Read the following instructions carefully;

1. Do not forget to write name and stream.
2. The paper has two sections **A** and **B.**
   Section **A** has 20 questions and section **B** has 12questions.
   The paper has 8 printed pages altogether.
3. Answer all questions. All workings for both sections A and B must be shown in the spaces provided.
4. **All** workings must be written using blue or black ball point pen or ink. Any work written in pencil other than pictures, diagrams and graphs will **not** be marked.
5. No calculators are allowed in the examination room
6. Unnecessary changes of work and handwriting that cannot easily be 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 paper.

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

Turn Over

SECTION : A (40 Marks).

1. Workout:
$$\begin{array}{r} 1\ 3 \\ +\ 1\ 0 \\ \hline \end{array}$$

2. Simplify: $7y + 5x - 2y - 3x$

3. Find the square of the next number in the sequence.

   2, 3, 5, 7, _____

4. Write 64302 in words.

5. A motorist covered a distance of 240km in 4 hours. Calculate the speed at which he was travelling.

6. Draw a rectangle and on it, show its lines of folding symmetry.

7. What is the smallest number of sweets that can be divided among 6 or 7 boys leaving a reminder of 3 sweets?

8. Given the number 320_{four}. What is the place value of 3?

9. Baseke's salary of sh.20,000 was increased in the ratio of 7:4. Find his new salary.

10. Workout: $^{-}3 + {}^{+}8$

11. Given the number 5046. Find the sum of the value of 5 and the place value of 4 in the number above.

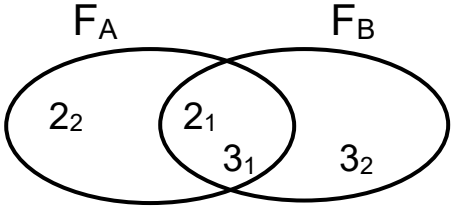
12. Using a ruler and a pair of compasses, construct an angle of 60^0 in the space provided below.

13. Find the average of; 9, 6, 4, 6 and 10

14. A bundle of bank notes numbered consecutively from AP3586701 to AP35866850. Find the number of notes in the bundle.

15. Benard is 79 years old. Express his age in Roman numerals.

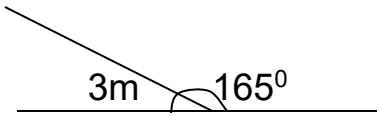
16. The Venn diagram below shows the Prime factors of two numbers A and B. Use it to answer the questions.



Workout the GCF of A and B.

17. Given that the cost of 3 box files is sh. 21000. What is the cost of 9 similar box files.

18. In the diagram below, find the value of m



19. Given that Set B = {all vowel letters}, find n(B)

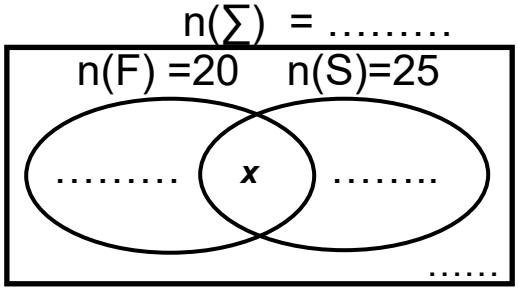
20. Given the Mawanda will visit us next week. What is the probability that he will visit on a day starting with letter “T”?

SECTION : B (60 Marks)

Answer all questions in this section

21. At a party attended by 40 guests, 20 took Fanta (F), 25 guests took Sprite (S), 3 guests took neither of the drinks while x took both drinks.

a) Complete the Venn diagram below **(3mks)**



b) How many guests took both drinks? **(2mks**

c) How many guests took only one drink? **(1mk)**

22. a) Workout: $\frac{1.2 \ x \ 0.3}{0.4}$ (**3mks**)

b) What number has been expanded to give (7x1000) + (4x100) + (9x10) **(1mk**

23. A taxi left Mbarara at 5:40p.m. and reached Kampala at 8:10p.m. The distance between the two towns is 150km.

a) How long did the taxi take to travel from Mbarara to Kampala? **(2mks**

b) Batambuze the driver is carrying 14 passengers in his taxi. They are all going to Entebbe and the transport fare is sh.2500 for each passenger. How much money will he collect at the end of the journey **(3mks)**

24. The sum of three consecutive even numbers is 36. Find the largest number. **(4mks**

25. The table represents the scores of Primary Six Pupils in an exam.

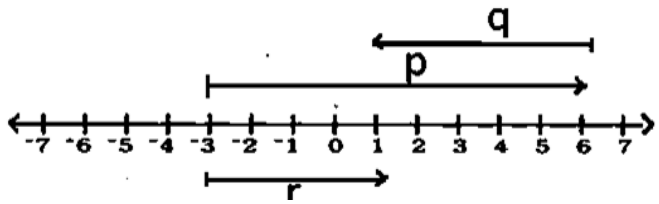
Marks	50	60	70	80	90
No. of pupils	2	3	2	2	1

a) How many pupils did the examination? **(1mk**

b) Calculate the modal mark. **(2mks**

c) Calculate the arithmetic mean. **(2mks**

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



a) Write down the integers represented by; **(1mk@)**

i) p_____

ii) r_____

iii) q_____

b) What is the additive inverse of -4? **(2mks)**

27. Nankya went to the market and bought the following items:
3 bars of soap at sh.4000 per bar
2 kgs of sugar at 4000 per kg
$2\frac{1}{2}$ kg of beans at sh. 1500 each kg
2 kg of rice at sh. 4200@

a) How much money did she spend altogether? **(5mks)**

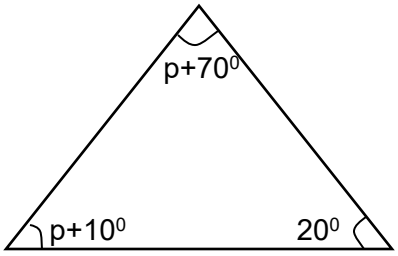
b) If Nankya received shs.7100 as change. How much money did she go with to the market? **(1mk**

28. a) Given that x = 3 and y = 4.
Evaluate: $\sqrt{x^2 + y^2}$ **(2mks**

b) Solve the equation: $\frac{a}{3} - 2 = 5$ **(3mks)**

29. a) Given that 4m and m + 40^0 are complementary angles.
Find the value of m. **(2mks)**

b) In the diagram below, find the value of the unknown degrees. **(3mks)**

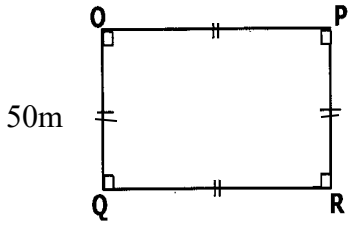


30. a) A father shared a certain amount of money among his three sons. Tony, Dickson and Bob in a ratio of 2:5:3 respectively.

a) If Bob got sh. 9000, how much money was shared. **(2mks**

b) How much more did Dickson receive than Tony **(3mks**

31. Study the diagram below OPQR of a running square track field measuring 50m and use it to answer the questions that follow.



a) Find the area occupied by the track field. **(2mks**

b) If James runs around the track field 2 times, what distance does she cover? **(3mks**

32. a) Using a ruler, a pencil and a pair of compasses only, construct a rectangle ABCD where AB = 7cm and BC = 4cm. **(4mks**

b) Draw and measure the length of diagonal AC (1mk