# KAMPALA ACADEMIC EXAMINATIONS BOARD

## PRIMARY SEVEN TERM II SET I EXAMINATIONS 2024

# MATHEMATICS

*Time Allowed: 2 hours 30 minutes*

| Admission No. | | | | | | Personal No. | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

.

Candidate's Name: .....

Candidate's Signature :.....

School Name: .....

District Name: .....

## INSTRUCTIONS

**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO**
**Read the following instructions carefully**

1. The paper has two Sections **A** and **B.**
2. All workings for both sections **A** and **B** must be shown in the spaces provided.
3. Section **A** has **20** short questions **(40 marks).**
4. Section **B** has **12** questions **(60 marks)**
5. All working must be done using a blue or ball point pen or ink.
6. Diagrams should be drawn in pencils.
7. **No calculators** are allowed in the examination room.
8. Unnecessary **alteration** of work may lead to loss of mark.
9. Any hand writing that cannot easily be read may lead to **loss of marks.**
10. Do not fill in the boxes indicated; **"FOR EXAMINER' USE ONLY"** and those inside the question paper.

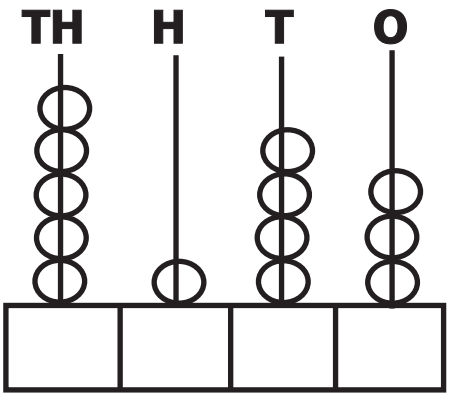
**FOR EXAMINERS USE ONLY**

| QN. NO. | MARKS SCORED | INITIAL |
|---|---|---|
| 1 - 5 | | |
| 6 - 10 | | |
| 11 - 15 | | |
| 16 - 20 | | |
| 21 - 24 | | |
| 25 - 26 | | |
| 27 - 28 | | |
| 29 - 30 | | |
| 31 - 32 | | |
| **TOTAL** | | |

*Turn over*

## SECTION A (40 MARKS)

1. Write the number shown on the abacus below.




2. Work out : $\frac{3}{7} + \frac{1}{7} =$

3. Simplify: 7p - x + p - 2x

4. Write 76 in words.

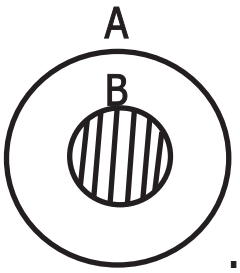
5. Find Lcm of 9 and 12.

6. Find the next number in sequence.

16, 25, 36, 49, _____

7. What is the square root of 36?

8. Describe the shaded region.




.....

9. The cost of 4 dresses is shs. 16,000. Find the cost of 8 similar dresses.

10. Calculate the value of K.
K + 11 = 120

11. Given that set W ={d, e, f, g}. Find the number of subsets.

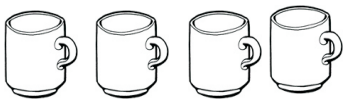
12. Write the short from of the given numbers.
$900 + (6 \times 10^{3}) + (4 \times 10^{1}) + (7 \times 10^{0})$

13. Work out : 18 + (239 - 99) ÷ 15.

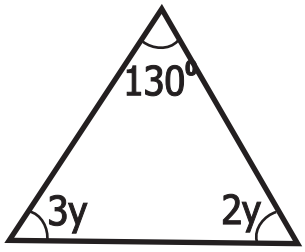
14. What is the square of 0.8?

15. Write 158 in Roman numerals.

16. Convert 120 minutes to hrs.

17. If  represents 15 cups. How many cups are represented by  ?

18. Find the value of y in degrees.




19. Calculate the distance covered in 36km/hr in 2hours.

20. Show the lines of symmetry in the figure below.

.....

## SECTION B (60 marks)

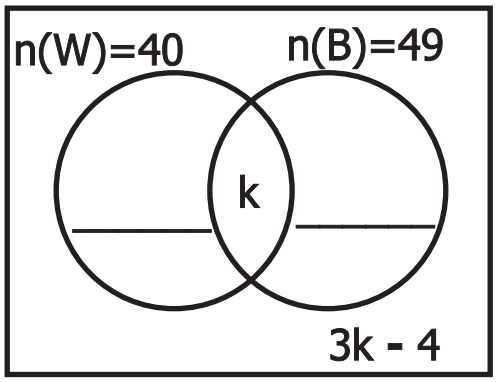
21. Convert $314_{five}$ to base three.

*(5marks)*

22. a) The venn diagram below shows the number of people who attended the birthday party and the drinks they were served i.e water (W) and beer (B) .

a) Complete the venn diagram.

*(2marks)*



b) Find the value of k if the $n(WUB)^{l} = 23$.

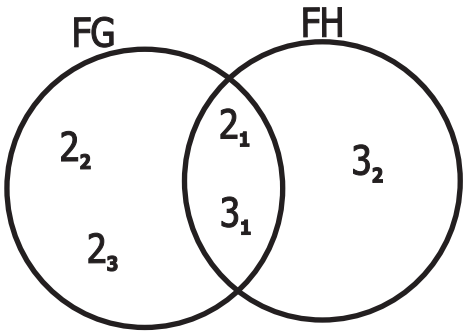
c) Find the number of universal $n(\varepsilon)$. *(2marks)*

23. Obote bought 10 oranges less than Okello. Both boys bought 18 oranges.

a) How many oranges did Obote buy? *(2marks)*

b) If each 3 oranges were bought at shs.600. how much money did Obote use to buy his oranges? *(2marks)*

24. Use the venn diagram below to answer the questions that follow.




a) Calculate the GCF of the numbers of G and H. *(02marks)*

b) Work out the LCM of G and H. *(2marks)*

c) Find the number of G. *(2marks)*

25. In a class of 60 pupils, $\frac{2}{3}$ are girls and the rest are boys.

a) What is the fraction of boys in the class?

b) How many girls are there?

c) Find the number of boys in the class.

26. a) Workout (48 x 13) + (13 x12)

*(2marks)*

b) A rectangular carpet measures 120cm by 20cm. Find the total distance around the carpet.

*(02marks)*

27. a) Solve: $\frac{3y}{4} + 5 = 14$ *(03marks)*

b) Simplify : 3p - 3q + 2p + 2q

*(2marks)*

28. a) A man shared shs. 36000 among his children Amoti , Joshua, and charles in the ratio 2 : 3 : 5 respectively.

a) How much did each get? *(03marks)*

b) How much did Charles get than Amoti? *(2marks)*

29. The sum of three consecutive number of 33.

a) What are the numbers? *(03marks)*

b) Calculate the sum of the least and the largest number. *(02marks)*

30. a) Simplify: $\frac{0.24 \times 1.8}{0.8 \times 0.6}$ *(3marks)*

b) Add: $\frac{1}{2} + \frac{1}{4} + \frac{3}{5}$ *(02marks)*

31. a) Jesca scored the following marks .
80 , 60, 50, 70, 80, 40.
Work out the mean mark. *(03marks)*

b) Calculate the medium mark. *(2marks)*

32. a) Use the digits 8, 7, 1 to form all possible three digit odd numbers. *(03marks)*

b) Find the difference between the largest and the least numbers formed. *(02marks)*

**END**