KAMPALA CENTRAL EXAMINATIONS BOARD

PRIMARY SEVEN PLE PREPARATION SET ONE

2024

MATHEMATICS

Time Allowed: 2 hours 30 minutes

Candidate's Name: ……

Candidate's Signature: ……

School Name: ……..

Read the following instructions carefully:

1. This paper has two sections: A and B. Section A has 20 questions and section B has 12 questions.
2. Answer all the questions. All the working for both sections A and B must be shown in the spaces provided.
3. All the working must be done using a blue or black ball point pen or ink. Any work done in pencils other than graphs and diagrams will not be marked.
4. No calculators are allowed in the examination room.
5. Unnecessary changes in your work and handwriting that cannot be read easily may lead to loss of marks.
6. 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.**
1-5		
6 - 10		
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26		
27 - 28		
29 - 30		
31 -32		
TOTAL		

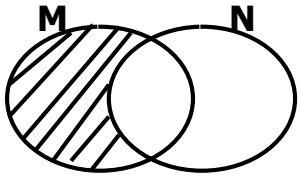
SECTION A

1. **Subtract:** **5 4 7**
– 3 3 2
_____

2. Write in figure. "Three thousand two hundred eighty two".

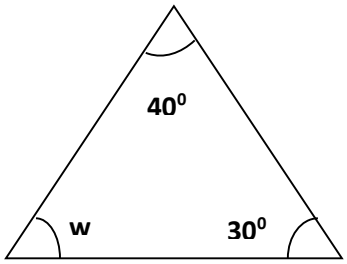
3. Muyenga started her journey at **8:30am** and reached her destination at **10:30am**. How long did she take to complete the journey?

4. Kityo shaded the Venn diagram as shown below. Describe the region he shaded.



5. **Workout:** $\frac{1}{2} + \frac{1}{3}$

6. Calculate the value of w in degrees.



7. The probability of Nalubega going to Kampala is $\frac{3}{7}$. What is the probability of her not going to Kampala?

8. Find the next number in the sequence below.

1, 3, 5, 7, _____

9. How many $\frac{1}{2}$ litre cups of water will fill **10** litre jerrycan?

10. **Add: 2 3 3$_{five}$**
+ 1 1 2$_{five}$

_____

11. Given that **A** = $\{0, 2, 4, 6, 8\}$ and set **B** = $\{1, 2, 3, 4, 5\}$

Find **A** ∩ **B**

12. **Simplify: 4 – $^{-}$3**

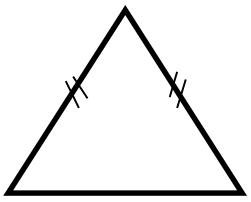
13. Today is Monday. What day of the week will it be **21** days from now?

14. **Solve: 2m = 8**

15. Arrange $^{+}$**5, 4, 2,** $^{-}$**1, 0, 6** in ascending order.

16. What number has been represented by tallies below?

17. How many lines of symmetry has the figure below?



18. Divide **1515** by **5**

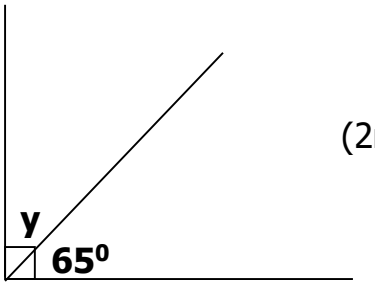
19. Namatovu bought a skirt at **Sh. 15000** and sold it at **Sh. 12000**. Calculate her loss.

20. What is the place value of **7** in **5.726**?

SECTION B

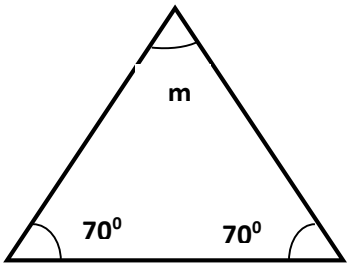
21. In each of the figure below, find the value of the un known angles in degrees.

a)



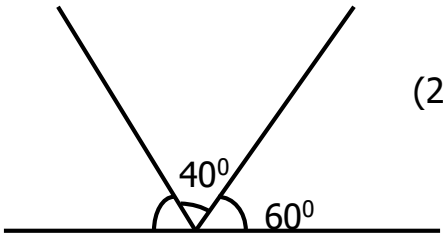
(2mks)

b)



(2mks)

c)



(2mks)

22. Given that **a** = **2**, **b = c = 3**. Find the value of the following.

a) a + b + c (2mks)

b) abc (2mks)

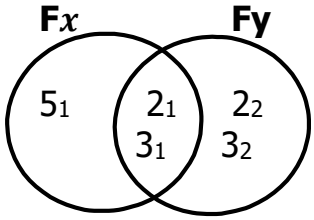
23. Wasajja had cards numbered **5, 7, 8** and **4**.

a) Using the card above form the smallest number. (1mk)

b) What is the largest number that Wasajja formed using the cards? (1mk)

c) Find the sum of the smallest and largest number formed. (2mks)

24. The Venn diagram below shows the prime factorization of two numbers x and **y**.



a) Find the value of; (1mk each)

i) x

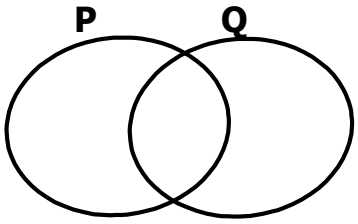
ii) **y**

b) Work out the **L.C.M** of x and **y**. (2mks)

c) What is the **G.C.F** of x and **y**. (1mk)

25. Given that set **P** = { a, b, c, d, e } and set **Q** = { a, b, d, e, f, h }

i) Show the sets on a Venn diagram below.



(2mks)

ii) Find **(P ∩ Q)** from the above Venn diagram. (2mks)

iii) Find **(P ∪ Q)** from the above Venn diagram. (2mks)

26. In a group of **60** guests invited for party, $\frac{2}{5}$ of them were male guests while the rest were female guest.

a) How many male guests attended the party? (2mks)

b) What fraction of the group was for female guests? (1mk)

c) How many more male guests than female guests were invited to the party? (2mks)

27. Zurah went shopping and bought the following items.
- **4** packets of biscuits at **Sh. 3000** each
- **2** books at **Sh. 1000** each
- A ruler at **Sh. 1000** each
- **4** pens at **Sh. 2000**.

a) How much did she spend altogether? (3mks)

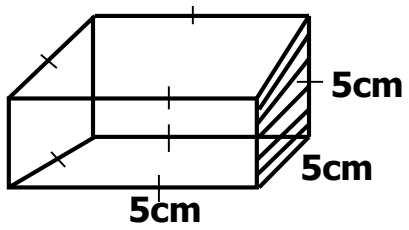
b) If she went with **Shs. 50,000**, what was his balance? (2mks)

28.a) Write **758** in the expanded notation using powers of ten. (2mks)

b) What number has been expanded to get **8000 + 20 + 7**? (2mks)

c) Write **4134** in words. (1mk)

29. **Study the cuboid below and answer the questions that follow.**



a) How many vertices has it got? (1mk)

b) Find the area of the shaded part. (2mks)

c) Calculate the volume of the cuboid. (2mks)

30. Use a ruler, a pencil and a pair of compasses to construct a regular hexagon in a circle of radius **4cm**. (6mks)

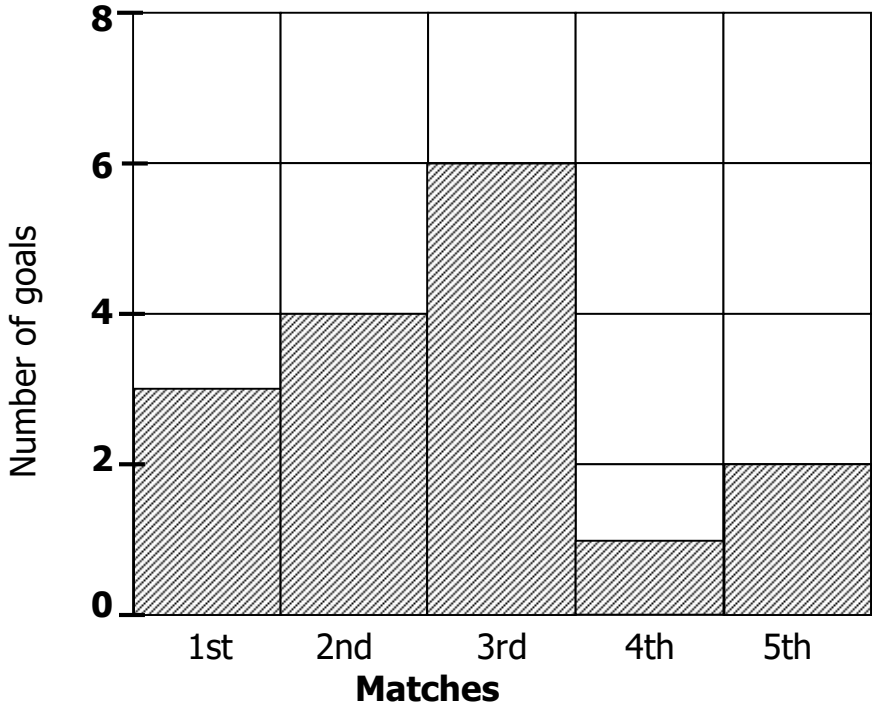
31. Nansikombi scored the following marks in the Mid – term exams.
40, 60, 50, 50, 40, 60

a) What is the median mark? (1mk)

b) Find the range. (1mk)

c) Work out the mean mark. (2mks)

32. **The graph below shows goals scored in 5 football matches.**



a) How many goals were scored in the second match? (1mk)

b) In which match were the least number of goals scored? (1mk)

c) Find the difference between the goals scored in the first and third matches. (1mk)

d) Find the total number of goals scored in the five matches. (2mks)

END