



PERFECT EDUCATION SERVICES - KAMPALA  
PRIMARY SEVEN MID TERM 1 EXAMINATION  
2023

MATHEMATICS

Time Allowed: 2 hours 30 minutes

Index No.

EMIS No.					Personal No.		

Candidate's Name .....

Candidate's Signature .....

EMIS Number .....

District 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 questions. All answers to both sections A and B must be written in the spaces provided.
3. All answers must be written using a blue or black ball point pen or ink. Any work written in pencil other than graphs and diagrams will not be marked.
4. Unnecessary changes in your 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 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		

Turn Over



**SECTION A (40 Marks)**

1. Workout:  $34 \times 2$

2. Damba lost **99** points during the competition. Express the number of points lost in **Roman numerals**.

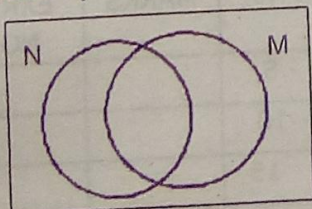
3. Find the HCF of **7 and 13**.

4. Express **4500** grammes as **Kg**.

5. Solve for **y** given:  $3y - (y+3) = 3$

6. Work out  $2.4 \div 15$ .

7. Shade  $(M-N)$  complement



8. A driver covered a distance of **120Km** in  $1\frac{1}{2}$  hrs. What was his average speed?

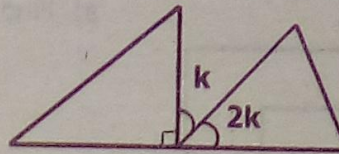
9. The **LCM** of two numbers is **18** and their **GCF** is **3**. If one of the numbers is **9**. Find the other number.

10. Express  $10101_{\text{two}}$  to denary base.



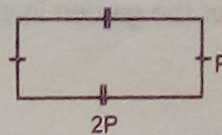
11. Write in figures "**Four hundred three thousand five hundred twenty four**"

12. Find the value of **K**.



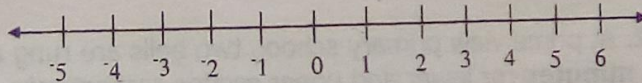
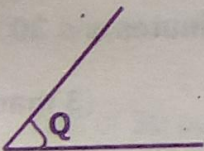
13. The cost of **7** packets of milk biscuits is **Sh. 5,950**. Find the cost of **4** similar packets.

14. The perimeter of the rectangle below is **30m**. Find the value of **P**.



15. With the help of a protractor, measure the size of angle marked **Q**.

16. Work out  $3 - 4$  Using the number line below

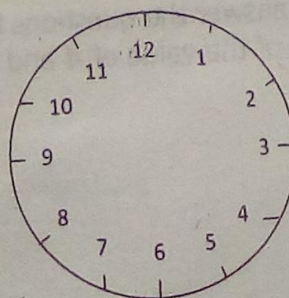


17. The average age of **4** boys is **19 years**. Calculate the total age of the **four** boys.

18. Given that set  $X = \{1, 2, 3\}$ . List all the subsets of set **X**.

19. What number when decreased by **10%** becomes **90**?

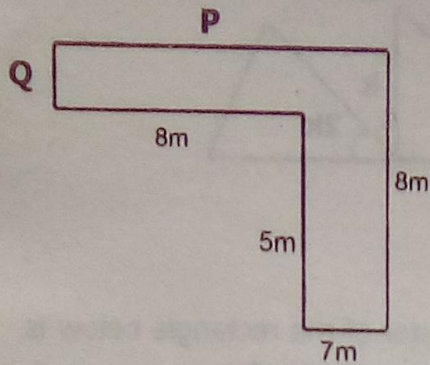
20. On the clock face below, show "**A** quarter past eleven o'clock"





**SECTION B (60Marks)**

21. JBK has a garden of the shape shown below.



a). Find the value of **P** and **Q**.

(1 mark each)

b) Calculate the area of the garden in square metres.

(3marks)

22. At prime view primary school, two bells are rung at intervals of **50 minutes** and **30 minutes** for lower and upper section respectively.

a) After how long will the two bells ring at the same time?

(3 marks)

b) If they ring together at **9:00 am**. At what time will they ring together again?

(2 marks)

23. Use **70,403** to answer the questions that follow.

a) Find the product of the value of **4** and the place value of **3**.

(3 marks)



b) Round off the numeral given to the nearest thousands.

(2 marks)

24. Nalongo shared a certain sum of money among her three sons; Wasswa, Kato, and Kizza in the ratio **2:3:4** respectively.

a) If Kato received **Sh.12,000**, how much did Wasswa get?

(2 marks)

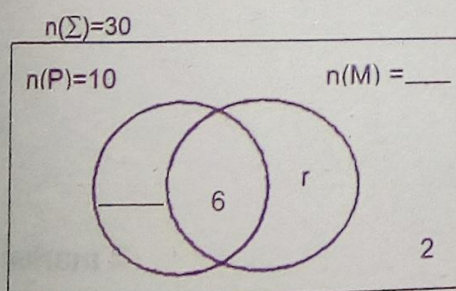
b) How much was shared?

(2 marks)

25. In a class of **30** pupils, **10** eat posho (**P**), **6** eat both Matooke and Posho, **r** eat Matooke (**M**) only while **2** eat none of the two types of food.

a) Complete the Venn diagram below.

(2 marks)



b) Find the value of **r**.

(2 marks)

c) What is the probability of choosing a pupil who likes Matooke?

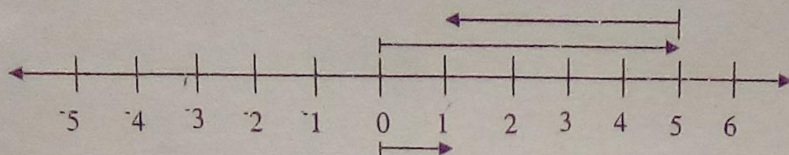
(2 marks)

d)



26.a) Use the number line below to write the addition statement.

(2 marks)



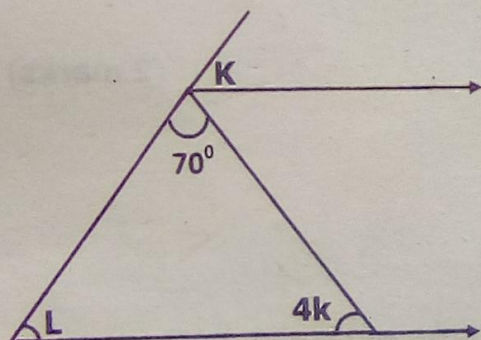
b). Arrange  $-2, 1, -5, 1, -3, 0$  in decreasing order.

(2 marks)

27. Study the figure below and use it to answer the questions that follow.

a). Find the value of  $K$ .

(3 marks)



b). Calculate the size of angle marked  $L$ .

(3 marks)

28. a) Solve:  $n + \frac{n}{4} = 12$

(2 marks)

b) Given that  $w = -5, x = -4, y = -9$ . Find the value of  $(w - x - y)^2$

(3 marks)



29. a) Work out:

(2 marks)

$$\begin{array}{r} 1001_{\text{two}} \\ + 101_{\text{two}} \\ \hline \end{array}$$

b) Find the value of  $m$ . If  $3 - 5 = m$  (finite 6).

(2 marks)

30. The table below shows the marks scored by P.7 pupils.

No. of pupils	4	5	3	2	1
Marks scored	15	35	20	25	30

a) How many pupils are in the class?

(2 marks)

b) What is the modal frequency?

(1 mark)

c) How many pupils scored above the mean mark?

(3 marks)



31. Marvin bought the following items

$2\frac{1}{2}$  of sugar at **Sh.3,200** per kg

**3** bars of soap at **Sh.2,400** each bar

**250gms** of salt at **Sh.1,200** per kg and

**2** packets of biscuits worth **Sh.1,500**.

a) What was his total expenditure?

(4 marks)

b) If he was given change of **sh. 4,000**, how much did he go with?

(2 marks)

32.a) A cyclist covered **5km** in **45 minutes** and **3km** in **20 minutes**. Find his average speed in **km/hr**.

(3 marks)

b). An athlete ran **100metres** in **10 seconds**. Express his speed in **km/hr**.

(2 marks)