

**MITYANA DISTRICT PRIMARY SCHOOLS  
HEAD TEACHERS ASSOCIATION  
PRIMARY LEAVING MOCK EXAMINATIONS 2024  
MATHEMATICS**

Time Allowed: 2 Hours 30 Minutes

<b>Random No.</b>						<b>Personal No.</b>		

Candidate's Name: \_\_\_\_\_

Candidate's Signature: \_\_\_\_\_

School: \_\_\_\_\_

**READ THE FOLLOWING INSTRUCTIONS  
CAREFULLY:**

1. This paper has two sections: **A** and **B**.
2. Section **A** has **20** questions (**40 Marks**).
3. Section **B** has **12** questions (**60 Marks**).
4. Attempt all questions in both sections. All answers to both sections A and B must be written in the spaces provided.
5. All answers must be written in blue or black ball point pens or **ink**. Only diagrams and graph work must be done in **pencil**.
6. Unnecessary **alteration** of work will 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 boxes indicated:

**"FOR EXAMINER'S USE ONLY"**

**For Examiner's Use Only;**

Qn No.	MARKS	INITIALS
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26		
27 - 28		
29 - 30		
31 - 32		
<b>Total</b>		

**Please turn over**

*Mityana District Primary Leaving Mock Examinations - 2024*



# SECTION A: 40 MARKS

Attempt **all** questions in this section.

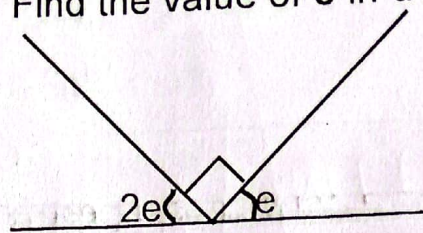
Questions 1 to 20 carry **two** marks each.

1 Work out:  $96 - 43$

2 Write **49,019** in words.

3 If  $q = -4$ ,  $u = 2$ , find the **value** of  $3qu$ .

4 Find the value of  $e$  in **degrees**.



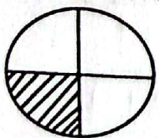
5 Convert **250gm** to **kilograms**.

6 The **probability** of electing a boy as a class monitor is  $\frac{3}{7}$ .

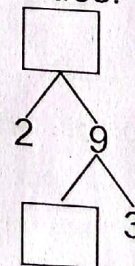
If there are 32 girls, how many pupils are in the class?



7 What **percentage** of the figure below is **unshaded**?

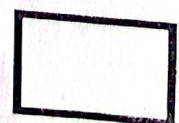


8 Use the factor tree to fill in the **missing** values.



9 Express **00 45 hours** to **12 hour clock time**.

10 Use a **dial** to work out:  
 $2 - 3 = y \pmod{5}$



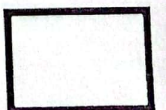
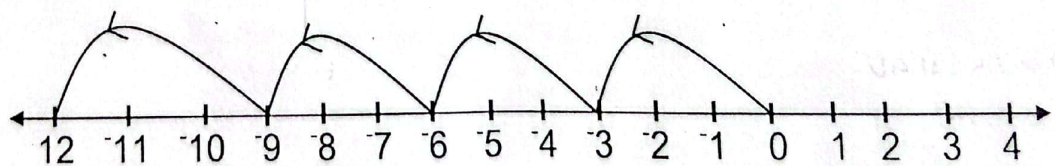
11 If set  $G = \{u, w, q\}$ . List all the subsets of set  $G$ .

12 Babirye bought  $2\frac{1}{2}$  litres of cooking oil at sh. 3,000 for every half litre. How much did she pay?

13 Using a ruler, a pencil and a **protractor**, draw an angle of  $105^\circ$ .

14 The **mean** of 4, 5, 6 and  $y$  is 6. Find the value of  $y$ .

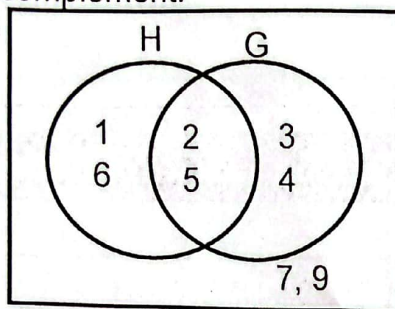
15 Write the mathematical **multiplicative** sentence for the number line drawn below.





- 16 Express 78.32 in **standard form**. 17 Solve for w:  $3(w + 2) = 12$

- 18 In the venn diagram below, find the number of elements of set G complement.



- 19 A bicycle wheel has a **radius** of 14dm. What distance can it cover in one **revolution**?

- 20 It takes **ninety minutes** for a tractor to travel a **distance** of 120km. Find its speed.

## SECTION B: 60 MARKS

Attempt all questions in this section.

Marks for each part of the question are indicated in the brackets

21a) Work out:

$$\begin{array}{r} 3 \ 3 \ 4 \\ + 1 \ 2 \ 3 \\ \hline \end{array}$$

five  
five

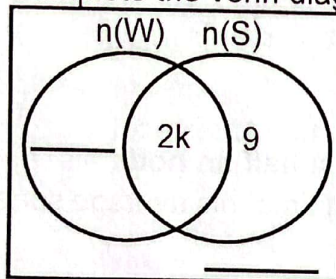
(02 marks)

(b) If  $2w_{\text{four}} = 1011_{\text{two}}$   
Find the value of W. (03 marks)

- 22 At a birthday party, 7 people took water (W) **only**, some took **soda** (S), 2k took **both** drinks and **k+3** took other drinks.

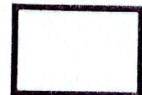
- (a) Complete the venn diagram below.

(02 marks)



- (b) If 29 people took soda, find the value of k.

(02 marks)



23. There were three friends namely: Ddemba, Ddumba and Ddembe in Busunju Sub - county who decided to start a business and managed to raise sh. 6,600,000. After an agreement, Ddumba managed to raise half as much as the money raised by Ddamba while Ddembe managed to raise thrice of the money raised by Ddumba.

(03 marks)

- (a) How much did Ddumba contribute?

- (b) Find Ddembe's contribution.

(02 marks)

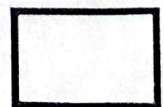
- 24 Kato took **3 hours** for the whole journey. For the first **half an hour**, his average speed was **100km/h** and for the remaining time, his average speed was 52km/h.

- (a) Calculate the total distance he covered.

(04 marks)

- (b) Work out his **average speed** for the **whole** journey.

(02 marks)





- 25 The three alarm clocks sound at intervals of **9 minutes**, **12 minutes** and **15 minutes** respectively. When will they sound at the same time if they first sounded together at **9:30a.m**?  
(04 marks)

- 26 Ssebunnya went to the market and bought the following items:

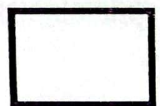
**3 heaps** of oranges at **sh 2,000** per heap.

**12 mangoes** at **sh. 1,200** for every **3 mangoes**.

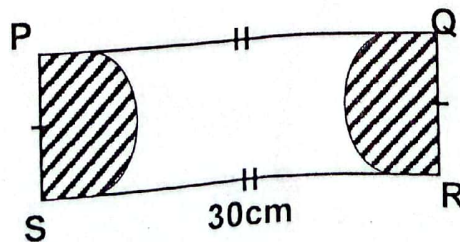
**400gm** of rice at **sh. 4,000** per kg.

**2 trays** of eggs at **sh. 18,000**.

- (a) Find his total expenditure. (04 marks)
- (b) If he was given a **discount** of sh. 1400, how **much** did he pay? (02 marks)



- 27 The figure below shows a **rectangle** with two semi-circles inside it. Study the figure and answer the questions that follow.



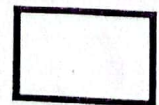
- (a) Find the **width** of a rectangle if the **area** of the shaded part is  $154\text{cm}^2$ . (03 marks)

- (b) Work out the **area** of the **unshaded** part. (02 marks)

- 28a) With the help of a ruler, a pencil and a pair of compasses only, **construct** a rectangle PQRS in which  $PQ = 7\text{cm}$  and  $QR = 4\text{cm}$ . (04 marks)

- (b) Measure line QS.

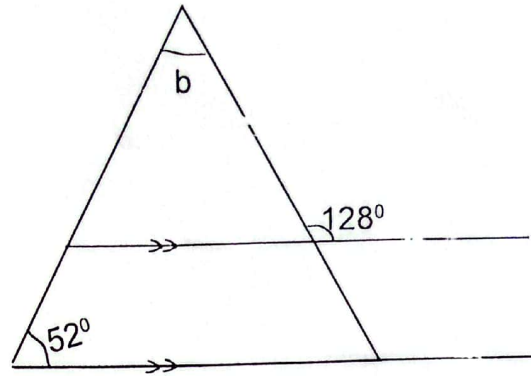
(01 mark)



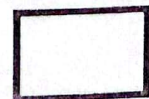


29a) The exterior angle of a regular octagon is  $(3x + 18)$ . Find the value of  $x$  in degrees. (03 marks)

(b) Using the figure below, find the angle marked  $b$  in degrees. (02 marks)



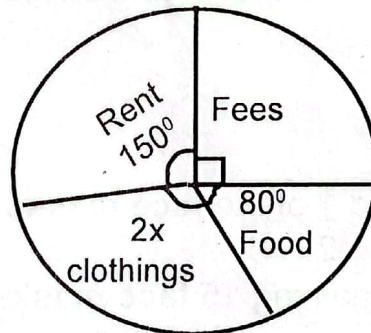
- 30 Asiimwe's family received  $\frac{1}{2}$  of the **face masks** on **Friday**,  $\frac{1}{4}$  of the remainder on **Saturday** and the remaining **15 face masks** on **Sunday**.
- (a) Find the fraction of the face masks the family received on Sunday. (03 marks)
- (b) Find the total number of face masks the family received. (02 marks)



31a) **Work out:**  $5151 - 9,183 + 8062$   
(02 marks)

(b) The reading of a **water metre** at the beginning of the month was **0049502 units** and at the end of the month was **0049521 units**. If 1 unit costs **sh. 150**, how much was paid at the end of the month? (03 marks)

32 . The circle graph below shows Musoke's monthly **expenditure**. *Study and use it to answer the questions that follow.*



- (a) Find the value of  $x$ . (02 marks) (b) If Musoke spent **sh. 49,000** more on rent than food, calculate his monthly expenditure. (03 marks)