MBALE CITY PRIMARY SCHOOLS' HEAD TEACHERS' ASSOCIATION ACADEMIC BOARD

PRIMARY LEAVING MOCK EXAMINATION 2023 MATHEMATICS

Time Allowed: 2 Hours 30 Minutes

	Random No.				Personal No.	
Index No.						
Candidate's Na	ame:					
Candidate's Sig	gnature:					
School Randor	n No:					
District ID:						

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).
- Attempt all questions in both sections. All answers to both sections A and B. must be written in the spaces provided.
- All answers must be written in blue or black ball point pens or ink. Only diagrams and graph work must be done in pencil.
- Unnecessary alteration of work will lead to loss of marks.
- 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;

PAGES	MARKS	INITIALS
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 22	and and the second	
23 - 24		The Management
25 - 26		
27 - 28		
29 - 30		
31 - 32		
TOTAL		

Please turn over

MBALE CITY PRIMARY SCHOOLS' HEADTEACHERS' ASSOCIATION ACADEMIC BOARD 2023



SECTION: 40 MARKS

Attempt all questions in this section
Questions 1 to 20 carry two marks each

3.Express 90,919 in words.

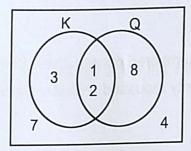
4. Find the G.C.F of 8 and 12.

5. Simplify:
$$\frac{8}{9} \div \frac{1}{3}$$

© Mbale City Primary Leaving Mock Examination -2023

6.Solve for p:
$$\frac{2}{2p} = 2$$

7.Study the venn diagram below and **list** the elements of set **K** complement.



8. The marks scored by Amos in **weekly** tests are 17, 13, 14 and 16. Work out his **average** mark.

9. James bought a pair of trousers for **sh. 32,000** and sold it for **sh.37,500**. Calculate the profit he made.

10.Construct an angle of 120° using a ruler, a pencil and a pair of compasses only in the space below.

11. Owori withdrew bank notes numbered consecutively from QR094558 to QR 094647 each worthy twenty thousand shillings. Calculate the amount of money he withdrew.

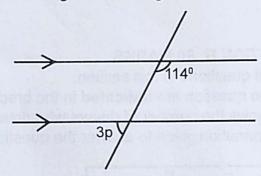
12.It takes $3\frac{1}{2}$ cups of butter to make one cake. How many cups of butter does it take to make $2\frac{1}{4}$ cakes?

13. Given that set X has 32 subsets. Find the number of elements in set X.

14. Change 4 tonnes to kilogrammes.

15. What number is written in standard form as 1.8 x 103?

16. Find the size of angle P in the figure below.

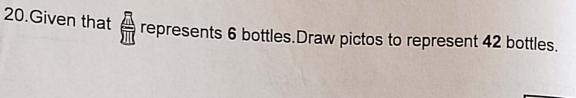


17. The cost of 1 US dollar is **sh. 3,800**. How much money in **US dollars** will Bwambale get from Ush. **760,000**?

18. What number is increased by 25% to become 12,500?

© Mbale City Primary Leaving Mock Examination - 2023

19. Find the time it stopped raining if it started at 2:30a.m and lasted

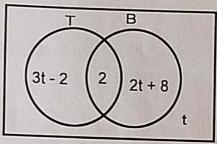


SECTION B: 60 MARKS

Attempt all questions in this section.

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

21. The venn diagram below shows the number of drivers who drive buses (B) or Taxis (T). Use the information given to answer the questions that



a) If 30 drivers do not drive buses, find the value of t.

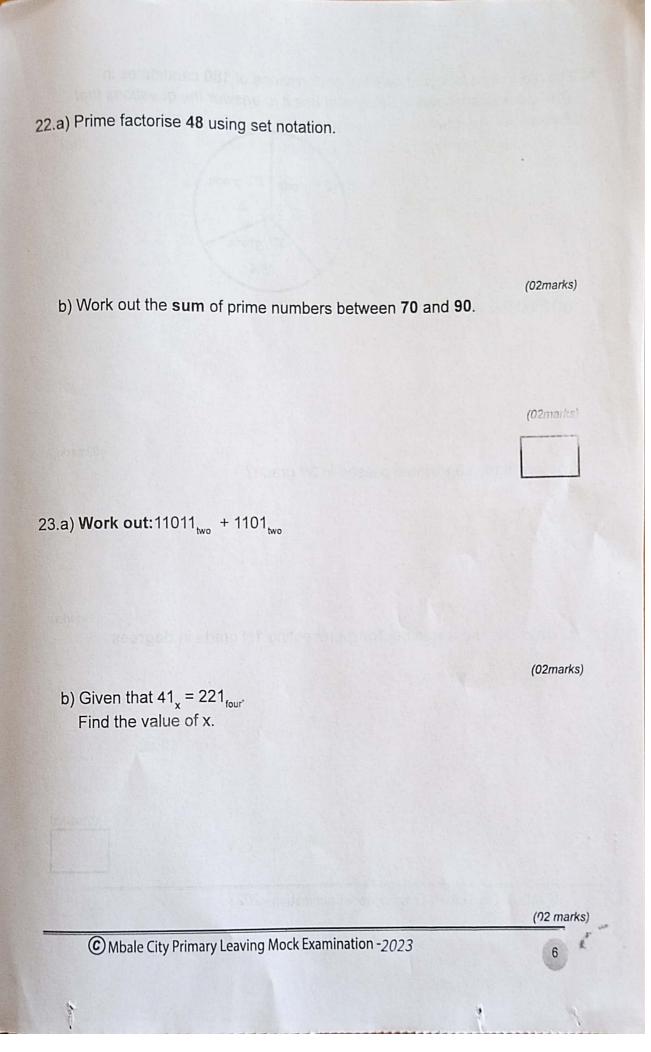
b) How many drivers drive one type of vehicle only?

(03marks)

(02marks)

© Mbale City Primary Leaving Mock Examination -2023





24. The pie - chart below shows the performance of 180 candidates in Pre-Mock examinations. Study and use it to answer the questions that follow. 1st grade 2nd grade 25% grade (a) Find the value of Y. (02marks) (b) How many candidates passed in 3rd grade? (02marks) (c) Calculate the angle sector representing 1st grade in degrees. (02marks) © Mbale City Primary Leaving Mock Examination - 2023

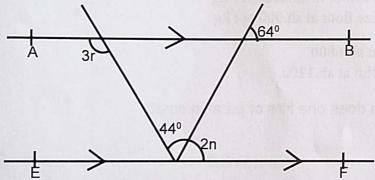
- 25. Tap M takes 2 minutes to fill a tank while Tap K takes 6 minutes to emr the same tank.
 - a) If both taps are opened at the same time, how many minutes will the take to fill the tank?

(03 marks)

b) If the tank holds **720** litres of water when full, how much water will be in the tank in one minute?

(02 marks)

26.In the figure below, line AB is parallel to line EF. Use it to answer the questions that follow.



a) Find the value of n in degrees.

(02 marks)

b) Work out the value of r in degrees.

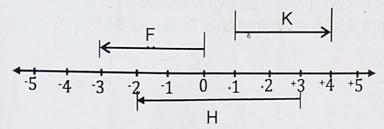
(03 (s)

© Mbale City Primary Leaving Mock Examination - . 2023

b) Mr.Ongodia is 4years older than his brother Tadeo. If their total age is years, what will be their average age after 10 years? 8.Nandutu went with fifty thousand shillings to a shop and bought the following items: 1500gm of soya flour at sh.1200per kg 1 kg of maize flour at sh.900 per kg	
b) Mr.Ongodia is 4years older than his brother Tadeo. If their total age is years, what will be their average age after 10 years? 8.Nandutu went with fifty thousand shillings to a shop and bought the following items: 1500gm of soya flour at sh.1200per kg 1 \frac{1}{4} kg of maize flour at sh.900 per kg	
b) Mr.Ongodia is 4years older than his brother Tadeo. If their total age is years, what will be their average age after 10 years? 8.Nandutu went with fifty thousand shillings to a shop and bought the following items: 1500gm of soya flour at sh.1200per kg 1 kg of maize flour at sh.900 per kg	
years, what will be their average age after 10 years? 8.Nandutu went with fifty thousand shillings to a shop and bought the following items: 1500gm of soya flour at sh.1200per kg 1 kg of maize flour at sh.900 per kg	02 marks) 12
8.Nandutu went with fifty thousand shillings to a shop and bought the following items: 1500gm of soya flour at sh.1200per kg 1 \frac{1}{4} kg of maize flour at sh.900 per kg	
8.Nandutu went with fifty thousand shillings to a shop and bought the following items: 1500gm of soya flour at sh.1200per kg 1 ½ kg of maize flour at sh.900 per kg	
1500gm of soya flour at sh.1200per kg 1 ½ kg of maize flour at sh.900 per kg	3 marks)
C1 C	
2kg of sugar at sh 6800 1 litre of paraffin at sh.1200.	
a) How much does one litre of paraffin cost?	
b) How much did she pay if she was given a discount of 10% on her bill?	2 marks)
(04	4 marks)
© Mbale City Primary Leaving Mock Examination 2023	9

27 a) Solve and state the solution set for the inequality. 3 < 2r - 5 < 7	
kes 2 minutes to fill a tank while Tank to	
b) Mr.Ongodia is 4 years older than his brother Tadeo. If their total a years, what will be their average age after 10 years?	
28. Nandutu went with fifty thousand shillings to a shop and bough following items: 1500gm of soya flour at sh.1200per kg	(03 marks) t the
1 ½ kg of maize flour at sh.900 per kg 2kg of sugar at sh 6800 1 litre of paraffin at sh.1200. a) How much does one litre of paraffin cost?	
b) How much did she pay if she was given a discount of 10% on he	(UZ marks)
	(04 marks)
© Mbale City Primary Leaving Mock Examination 2023	9

29.Study the **number line** below and use it to answer the questions that follow.



a) Write the integers represented on the number line.

b) **Work out:** 3 - 4 = e(finite 6)

(02marks)

30.A bus left Kasese for Kampala moving at a speed of 90km/h and covered a distance of 360km. The bus then took 5 hours on its return journey to Kasese. Find the average speed of the bus for the whole journey.



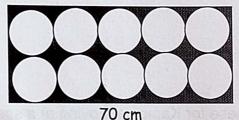
© Mbale City Primary Leaving Mock Examination - 2023

31.a) Using a ruler, a pencil and a pair of compasses only, construct a parallelogram SATB such that SA=7cm, and SAT=105° and AT= 5cm.

b) Measure angle ATB.

(04marks)

32. Amos cut out ten circular plates from a rectangular metal sheet of length 70cm as shown below.



(a) Find the width of the metal sheet.

(02marks)

(b) Find the area of the unused sheet after cutting out the circular plates. Use π as $\frac{22}{7}$

(03marks)

© Mbale City Primary Leaving Mock Examination 2023