

BUKOMANSIMBI DISTRICT ACADEMIC BOARD

PRIMARY SEVEN LEAVING MOCK EXAMINATION- 2022

MATHEMATICS

Time: 2 hours 30 minutes

School: _____

EMIS No.						Personal No.		

Candidate's Name: _____

Candidate's Signature: _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO

READ THE FOLLOWING INSTRUCTIONS CAREFULLY

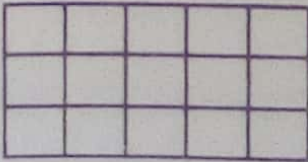
1. This paper has two sections A and B.
2. Section A, has 20 short questions (40 marks).
3. Section B has 12 questions (60 marks)
4. Answer all questions.
5. All answers to all questions must be written in the spaces provided.
6. All answers must be written using blue or black ball pen or ink. Diagrams should be drawn in pencil.
7. Unnecessary crossing of work will lead to loss of marks.
8. Any handwriting that cannot easily be read may lead to loss of marks.
9. 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		
25-28		
29-30		
31-32		
TOTAL		

Turn over

SECTION: A

1.	Work out: $97 + 4903$	2.	Find the next number in the sequence; $1, 4, 9, 26, \underline{\hspace{2cm}}$
3.	Write 20202 in words.	4.	Simplify: $7a + 5p - 2a + 3p$
5.	Given that : $A = \{a, b\}$. List all the subsets in set A.		
6.	Simplify: $\frac{1}{3} \div \frac{1}{4}$	7.	Change 50 minutes to seconds.
8.	Round off 40.498 to the nearest hundredths.	9.	Shade $\frac{3}{5}$ in the figure below. 

10.	Simplify: $2^{-2} \times 6^{-1}$	11.	Find the modal frequency of the following. 2, 4, 3, 2, 4, 2, 8, 2, 4, 8
12.	What number has been written in standard form? 6.72×10^{-4}	13.	If  represents 6 oranges. Draw such pictures to represent 54 oranges.
14.	Use a ruler and a pair of compasses only to construct an angle of 30° .		
15.	Find the square of 0.4.	16.	Share 450 cakes in the ratio of 5:4
-3-			

17. A teacher can mark CDXVII books in one hour. Convert this to the Hindu Arabic system.

18. Find the value of x :
 $4 \times 5 = x$ (finite 7)

19. Grace bought a tin of mangoes at sh. 16,000/=. She sold the mangoes and made a profit of sh. 9000. At what price did she sell the mangoes?

20. A business woman deposited shs. 180,000/= in a bank that offers an interest rate of 20% per year.

How much interest will she get after 8 months?

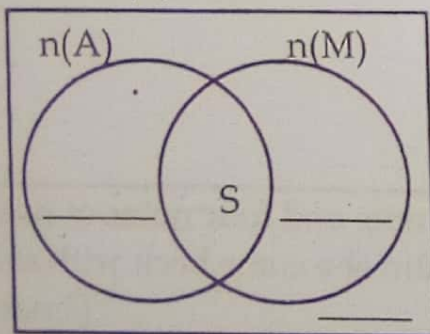
SECTION: A

21. In a class of 60 pupils, 18 pupils like Art and Craft only (A), 24 likes Music (M) only, S pupils like both subject and 25 pupils do not like any of the subjects.

(a) Use the above information to complete the Venn diagram below.

(3marks)

$$n(E) = 60$$



- (b) How many pupils like neither of the two subjects? (2mks)

22. Nassimbwa went to the shop and bought the following items;
- 3kg of sugar at sh. 4000 each
 - 2 tins of blue band at shs. 1500
 - 250g of salt at sh. 1600 per kg
 - 2 bars of soap at shs. 7000each

(a) Find her total expenditure.

(4marks)

(b) If she had one ten thousand shilling note and four notes of five thousand shillings. How much change did she come back with at home?

(2marks)

23. At Buswege Primary school, three bells are sounded at different intervals. For a nursery section. It is sounded every after 30 minutes, for middle section every after 40 minutes and for upper section, every after 50 minutes.

- (a) If these three bells are sounded at the same time, after how many minutes will they sound again. (2marks)

- (b) How many times did each of these bells sound? (3marks)

24. The pie chart below shows Lynette's monthly expenditure. Study it and answer the questions that follow.



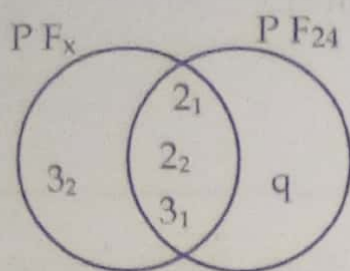
- (a) Find the value of x. (2marks)

(b) If she earns 200,000 a month. How much money does she spend on Rent? (2marks)

(c) Find the size of the angle that represents the sector for saving. (1mark)

25. The perimeter of a rectangle is 40cm, it's length is 15cm. Find the width. (4marks)

26. Study the Venn diagram below and answer the questions that follow.

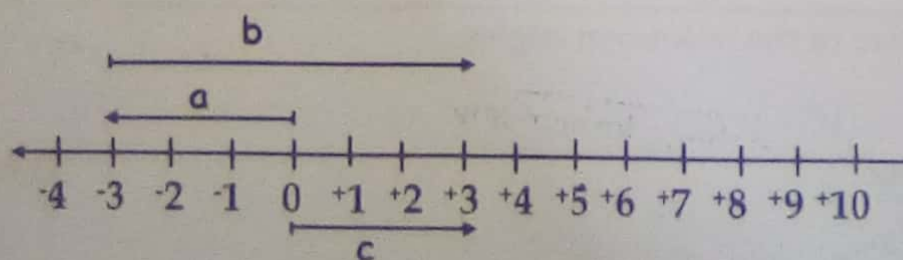


(a) Find the value of x . (2marks)

(b) Find the value of q . (2marks)

(c) Work out the G.C.F of X and 24 . (2marks)

27. Study the number line below and answer the questions.



(a) Write the integers represented by letters. (3marks)

$a =$ _____ $b =$ _____

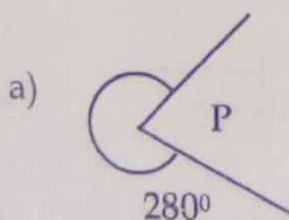
$c =$ _____

(b) Write a mathematical statement represented on the numberline above.
(1mark)

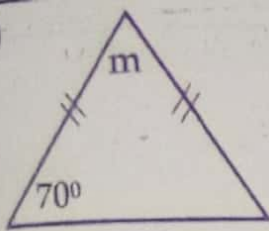
28. At Sunrise Primary School, a PTA
(a) meeting started at 09:15am and ended at 11:45am. For how long did it last?
(2marks)

- (b) A cyclist travelled for $2\frac{1}{2}$ hours at a speed of 80km per hour.
What distance did she cover?
(2marks)

29. Find the size of the unknown angles.



(3marks)



(2marks)

In a class of 60 pupils, $\frac{2}{6}$ are boys and the rest are girls. If $\frac{1}{5}$ of the boys are absent and the rest present,

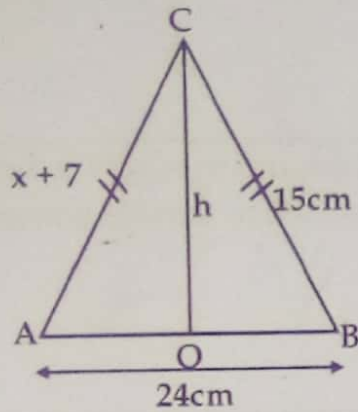
(a) How many girls are in the class? (2marks)

(b) Find the total number of pupils who are present. (2marks)

31. The figure below shows a triangle. Study it carefully and answer the questions that follow.

(a) Find the value of x .

(2marks)



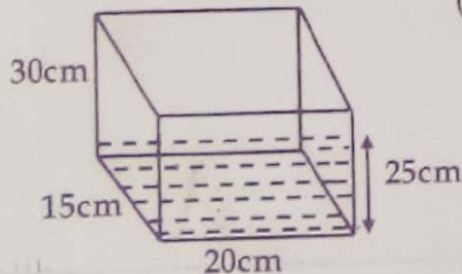
- (b) Find the Area of the triangle.

(4marks)

32. The figure below shows a water tank. Study it carefully and answer the questions that follow.

(a) Find the volume of the water tank.

(2marks)



- (b) How many litres of water are in the tank?

(4marks)

END