

KIYALA HIGH SCHOOL
MID-TERM TWO ASSESSMENT TEST 2024
MATHIMATICS
S.2

Time: 2 Hours

INSTRUCTIONS:

➤ *Attempt all the items in this section*

Item 1

You bought books that is Picfare books and Rwenzori books for term II 2024. The number of Picfare books bought is more than Rwenzori books by one. If Y and X are the number of Picfare and Rwenzori books bought respectively.

Task

Form the inequality for the books bought, represent the inequality on a graph and shade the unwanted region.

Item 2

Faith the class teacher senior two (2) interviewed her students on the fruits they like most. 6% liked mangoes, 23% like oranges, 21 liked apples, 30% liked watermelon and the rest liked pineapples.

Task

- a) As a student of math, calculate the percentage of students who like pineapples.
- b) Represent the information above on a pie chart
- c) If they are 50 students in the class, find the number of students who liked each fruit.

Item 3

Your friend has a rectangular garden which he planted maize. The length of the garden is $(X-8)$ and the width is $(X-5)$

Task

Help your friend to get the expression of the area of the garden.

Item 4

Kate is a business woman who deals with tomatoes, onions and cabbage. She buys 30 heaps of tomatoes, each with 8 tomatoes from a farmer.

Task

- i)* What is the number of tomatoes in base eight?
- ii)* By converting to base ten, how much will Kate earn by selling each tomato at 200 shillings.

GOODLUCK