

CAMBRIDGE JUNIOR SCHOOL EXAMINATIONS BOARD
WEEKLY TEST TERM III SET I 2023
MATHEMATICS PRIMARY SIX

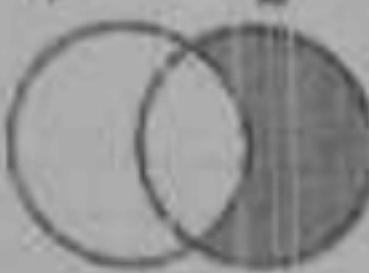
Name: _____
 Class: _____

INSTRUCTIONS:

1. Attempt all questions.
2. Any drawing must be done in pencil.
3. You must use a very good handwriting.

EXAMINERS USE ONLY	
SECTION A	
SECTION B	
TOTAL	

SECTION A (40marks)

1.	Work out: $\begin{array}{r} 3 \quad 4 \\ + 1 \cdot 3 \\ \hline \end{array}$	2.	Write 126 in Roman numerals.
3.	Find the next two numbers in the sequence; 2, 3, 5, _____, _____	4.	Describe the shaded region in the Venn diagram below. 
5.	Find the LCM of 12 and 18.	6.	Convert 34_{six} to decimal base.

7. Joan had $\frac{3}{4}$ of a pineapple. If she gave $\frac{1}{5}$ to her friend Anitah, find the fraction of the pineapple Joan remained with.
8. Given that 9 pencils cost sh.9000, find the cost of 6 similar pencils.

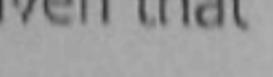
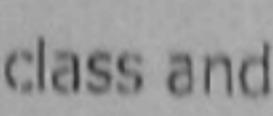
9. Simplify: $^+5 + ^-4$

10. Given that $t = 3$ and $P = 4$, find the value of $3t - p$.

11. Set $Y = \{c, o, w\}$. find number of subsets in set Y.

12. With a help of a ruler, pair of compasses and pencil only, construct an angle of 120°

13. Workout the mean of 8, 10, 12, 16 and 4.

14. Given that  represents 26 girls in a class and  represents 20 boys in the class, find the total number of pupils represented by 

15.	Add: Hours min $ \begin{array}{r} 2 \qquad \qquad 30 \\ + 1 \qquad \qquad \underline{45} \\ \hline \end{array} $	16. A woman bought 2.5kg of maize flour, Express the mass bought in grammes.
17.	4 boys can mow the compound in 6 days. How many boys can mow the same compound in 8 days?	18. Express $\frac{3}{4}$ as decimal.
19.	Using a dial, workout $2-3 = \underline{\hspace{2cm}}$ (finite 5)	20. Simplify: $5p + p - 3p$

SECTION B (60 marks)

(Marks for each question are indicated in the brackets.)

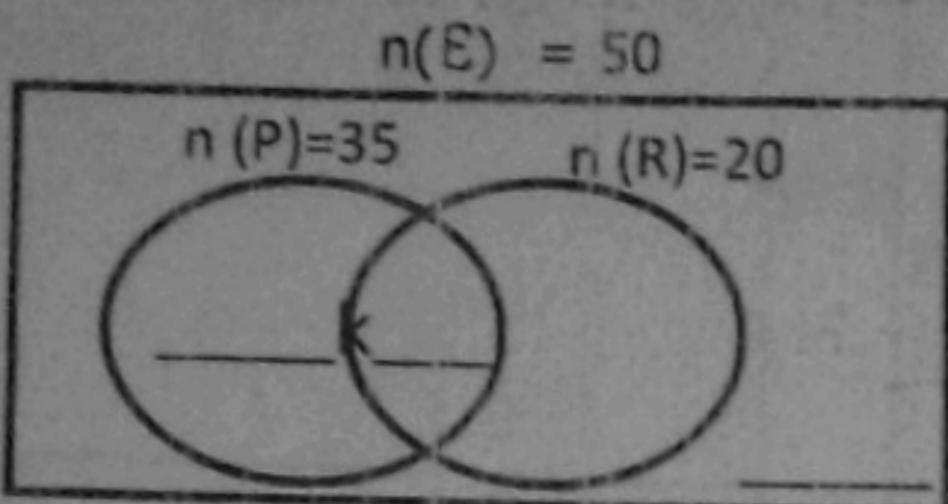
21. The sum of **3** consecutive counting numbers is **42**.

a) Find these numbers. *(4marks)*

b) Work out the product of the smallest and largest numbers. *(1mark)*

22. In a class of 50 pupils, 35 like posho(P), 20 pupils like rice (R), If k pupils like both posho and rice, 3 pupils like neither of two.

a) Complete the Venn diagram below. (3marks)



b) How many pupils like both rice and posho? (2marks)

23. Given the Numeral 24,356,

a) Write the numeral in words. (1mark)

b) Expand the numeral using powers of ten. (2marks)

c) Find the sum of the value of 4 and value of 5 in the number. (2marks)

24. At a wedding party attended by 720 guests, $\frac{7}{12}$ were females and the rest were males.

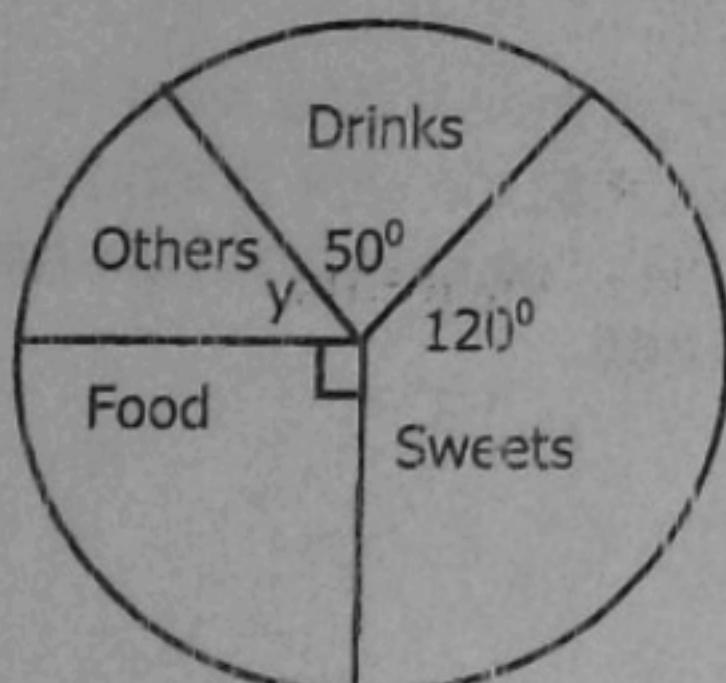
a) Find the fraction of males who attended the party. (1mark)

b) How many more females than males attended the party? (2marks)

25. a) Add: 324_{five}
 $+ 13_{\text{five}}$
_____.

b) If $34_n = 19_{\text{ten}}$. Find the unknown base. (3marks)

26. The circle graph below shows how a student spent her pocket money of sh.54,000. Use it to answer the questions that follow.



a) Find the value of y in degrees. (2marks)

b) How much more money did he spend on sweets than food? (2marks)

c) Express the amount of money spent on food as a percentage. (1 mark)

27. a) Using a ruler, pencil and a pair of compasses only, construct a regular hexagon in a circle of radius of 4.0cm. (4marks)

b) Work out perimeter of the above figure. (1mark)

28. Akoth went to the market and bought the following items.

2kg of rice at sh.4500 perkg.

500gms of beans at sh.4000 perkg.

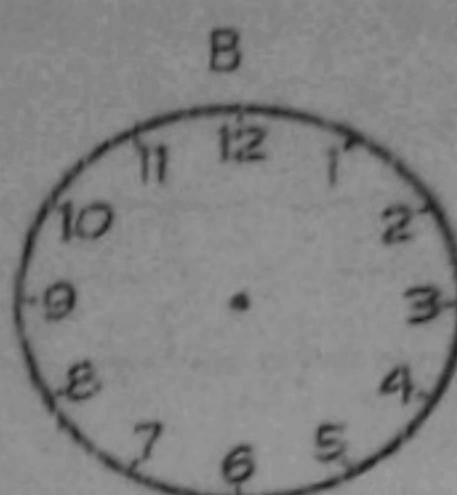
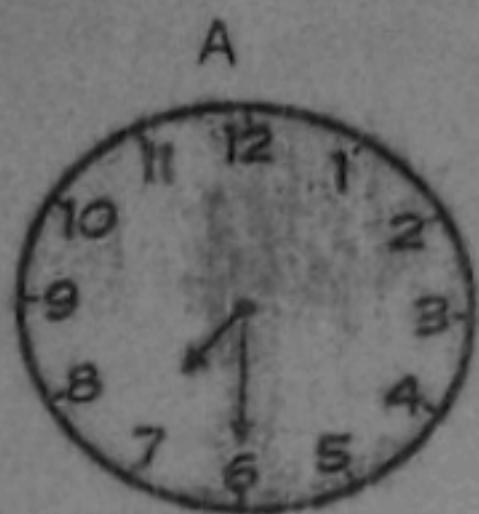
$1\frac{1}{2}$ kg of maize flour at sh.3000 perkg.

12 tomatoes at sh.500 for every 3 tomatoes.

a) Calculate Akoth's total expenditure. (4marks)

b) If she remained with sh.2500, how much money did she have before? (1 mark)

29. a) A mathematics lesson started at the time shown on the clock face A.



If the lesson lasted for **1 hour 20 minutes**, show the time it ended on clock face **B** **(2marks)**

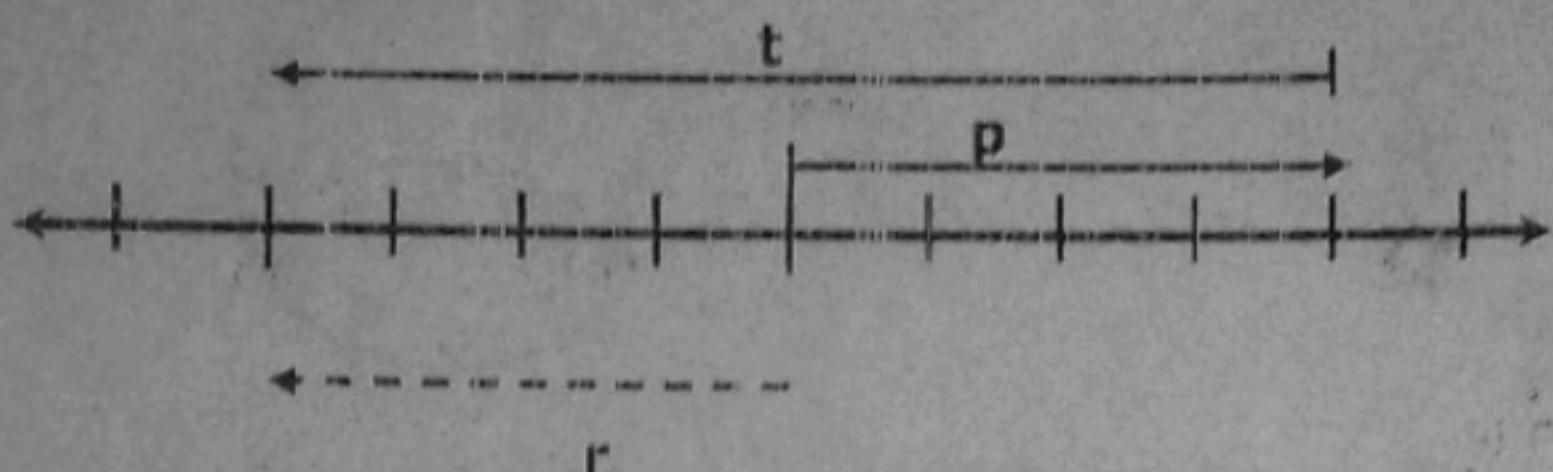
b) A motorist travelled from town **X** to town **Y** at an average speed of 60km/h for 2 hour. How far is town **X** from town **Y**? **(3marks)**

30. Casey, Masaw and Albert agreed to start up deftride company limited. If their initial contribution was sh.360,000 in the ratio of 2:1:3 respectively, How much did each contribute? **(4marks)**

31. a) Solve for X; $2x + 4 = 12$ **(2marks)**

b) The cost of a book is sh.400 more than the cost of a pen. If the total cost of a pen and a book is sh.2000, find the cost of a pen and a book. **(3marks)**

32. Study the numberline below carefully and use it to answer questions that follow.



a) Find the integers represented by the arrows. *(1mark each)*

i) P

ii) t

iii) r

b) Write a mathematical statement for the above numberline. *(2marks)*

END