

KABOJJA JUNIOR SCHOOL

MID TERM THREE EXAMINATIONS - 2022

MATHEMATICS - P.6

Time allowed: 2½Hrs

Name: Stream:

- INSTRUCTIONS:** 1. Attempt all questions.
2. All working must be shown.
3. Any drawing must be done in pencil.

FOR EXAMINER'S USE ONLY

SECTION A		Total (%)
SECTION B		

SECTION A

1.	Multiply: 2×5	4.	Find the value of 3 in 5326 .
2.	Simplify: $+9 - -3$	5.	Today is Wednesday, what day of the week will it be 21 days from now?
3.	Given that $P = \{K, L\}$; list all the subsets in set P .	6.	Express XCV as Hindu – Arabic numeral.

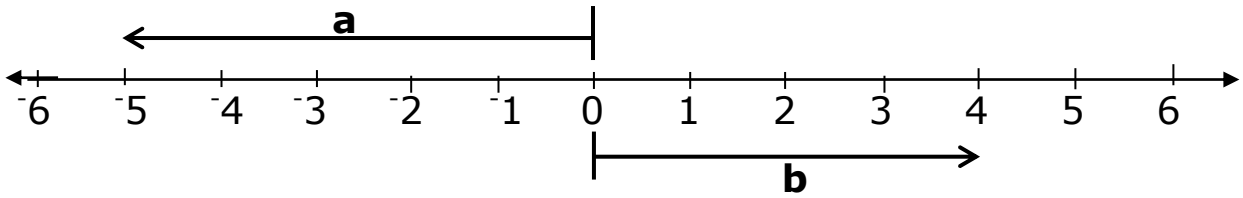
7.	Musoke left school at 4:25pm . Express the departure time in a 24 hour clock system.	10.	Convert 0.85km to metres.
8.	There are 7 blue buttons, 4 black buttons and 3 green buttons in a tin. What is the probability of picking a black button from the tin at random?	11.	Given that $x = 2$ and $y = 3$; Find the value of $(x + y) - y$
9.	Work out: $3 - 6 = \underline{\hspace{2cm}}$ (finite 7)	12.	Workout: $ \begin{array}{r} 324_{\text{five}} \\ + 123_{\text{five}} \\ \hline \hline \end{array} $

13. Find **the least number** of oranges when divided among **8 boys** or **6 girls** equally, leaves **3** oranges as remainder.

14. **Divide: 5 0 5 by 5**

15. Using a pair of compasses, a ruler and a pencil only, construct angle of **45°** in the space below.

16. Write the integers represented by letters; **a** and **b** on the number line below.



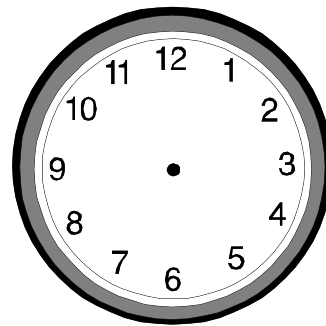
i) a _____

ii) b _____

17. **Solve: $3y + 7 = 19$**

18. **Use the clock** face below to show the time.

“twenty minutes to ten o’clock”.



19. Find **the median** of the following values.

-3, 4, 5, 0, -1, 2

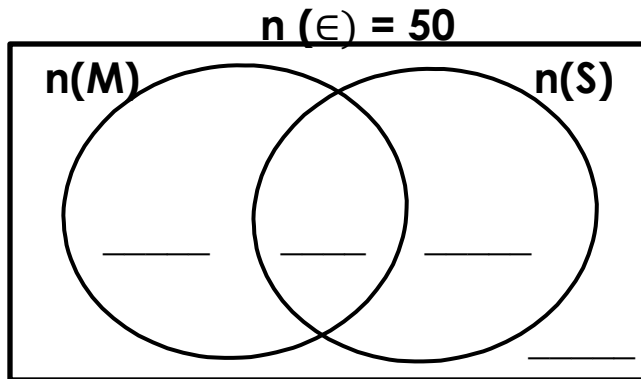
20. Calculate the **circumference** of a circle whose radius is 7cm.

SECTION B

21. a) Find the sum of the value of 7 and value of 2 in 7428 (3mks) b) Change 101_{two} to decimal base. (2mks)	22. The sum of three consecutive even numbers is 52 . a) Find the number. (4mks) b) Find their range . (1mks)
23. Mwebe borrowed Shs. 50,000 at a rate of 15% for 2 years. How much did he pay as interest? (3mks)	b) Work out the amount that he paid. (2mks)

24. In a primary six class of 50 pupils, **27** like mathematics (M), **22** like Science (S), **Y** pupils like both mathematics and science and **3** pupils do not like any of the two subjects.

a) Represent this information in the Venn diagram below. (2mks)



b) Find **the value** of **y**. (2mks)

c) Find **the number** of pupils who like **only one subject**. (1mk)

25. If bank notes are numbered consecutively from **AC003782 to AC003881**.

a) How many notes are there? (2mks)

b) Find how much money is in a bundle of Sh. 1000 bank notes if they are numbered from **UH627400 to UH627499**. (3mks)

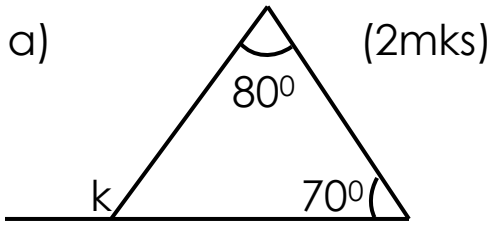
26. In a town of **200** people, $\frac{2}{5}$ are adults and the rest are children.

a) Find **the fraction** of children. (1mk)

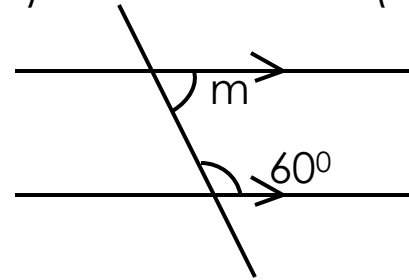
b) How **many adults** are in that town? (2mks)

c) How **many more children** are there than **adults**? (2mks)

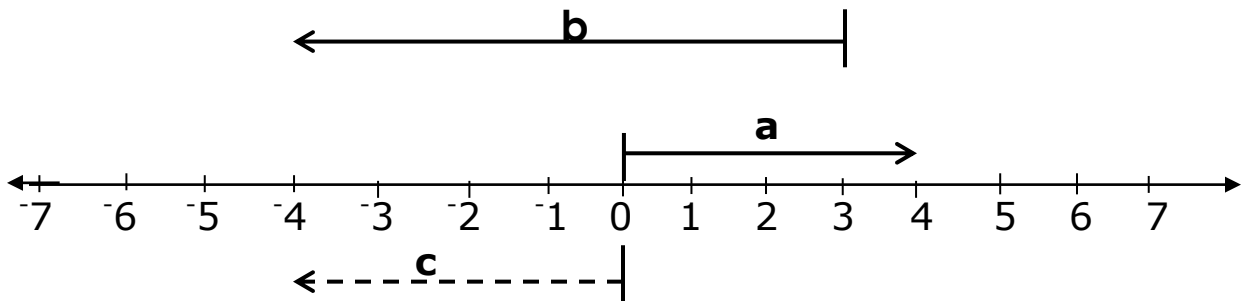
27. Find the value of the unknown angle.



b) (3mks)



28. Use the number line drawn below to answer questions that follow.



a) Name the integers represented by arrows.

i) **a** = _____

ii) **b** = _____

iii) **c** = _____ (3mks)

b) Write the mathematical sentence for the above number line. (2mks)

29. Henry bought the following items from the market.

- **2kg** of sugar at **Sh. 4500** per kg.
- $1\frac{1}{2}$ kg of rice at **Sh.3600** per kg
- **3** litres of cooking oil at **Sh. 5000** per litre.
- **8** oranges at **Sh. 4000**.

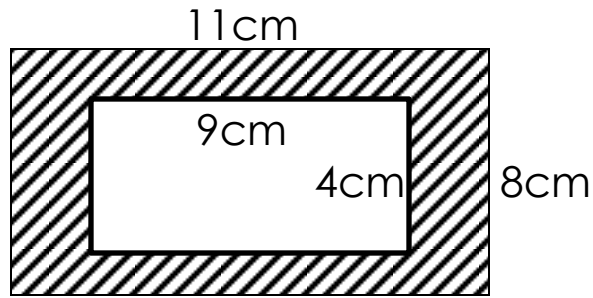
a) Work out **his total expenditure**. (4mks)

b) If the cashier gave him **Sh.2,750** as remaining money, find the total amount of money he had at first. (1mk)

30. Ssemwogerere is **3 years** older than Amito. If their total age is **49** years.

a) How old is each of them? (5mks)

31. Study the figure below and answer the questions that follow.

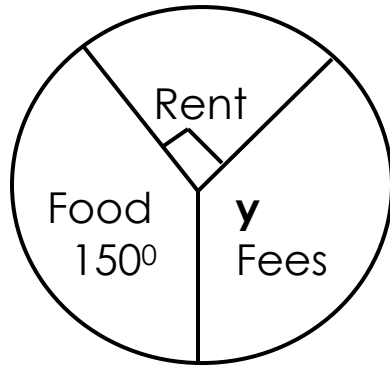


a) Find **the area** of **the outer** rectangle. (2mks)

b) Find **the area** of **the inner** rectangle. (2mks)

c) Calculate **the area** of **the shaded part**. (1mk)

32. The pie chart shows how Esther spend her **Sh.36,000**.



i) Find **the value** of **y**. (3mks)

ii) How much does she spend on fees? (2mks)

END