MBALE TOWN VIEW PRIMAY SCHOOL

MATHEMATICS QUALITY CHECK - 2023

PRIMARY FIVE/SIX

Time allowed: 2 Hours 30 Minutes

Name: ……Stream: ……

Read the following instructions carefully.

1. This paper has two sections: **A** and **B.**
2. Section **A** has **40**questions (40 marks)
3. Section **B** has **15** questions (60marks)
4. Answer **all** questions. All answers to both sections **A** and **B** must be written in spaces provided.
5. All answers must be clearly written using **blue** or **black** ball point pen or ink.
6. Unnecessary changes of work may lead to loss of marks.
7. Any handwriting that cannot be easily read, may lead to loss of marks.
8. Do **not** fill anything in the boxes indicated for official use only.

FOR EXAMINERS' USE ONLY

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Qn. No.	MARKS	EXR'S NO.
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

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SECTION: A (40marks)

1. Multiply:

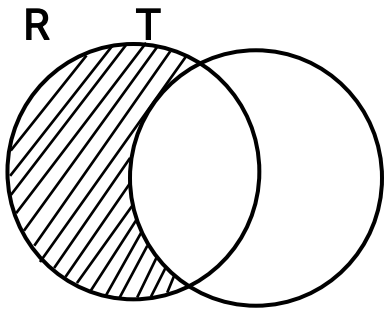
$$\begin{array}{r} 1\ \ 3 \\ \times\ \ 2 \\ \hline \\ \hline \end{array}$$

2. Change 50 to Roman numerals.

3. Given that  represents 8 chairs, how many chairs are presented by  ?

4. Subtract; $430_{five} - 21_{five}$.

5. Describe the un-shaded region in the Venn diagram below.



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6. Find the value of 8 thousands.

7. Calculate the LCM of 12 and 18.

8. Round off 748 to the nearest tens.

9. The cost of a radio is sh. 37,500. Find the cost of 4 similar radios.

10. Odong ate $\frac{4}{12}$ of the sugarcane. What fraction of the sugarcane was left?

11. Given that V = { a , b , c }. Find the number of subsets in set V.

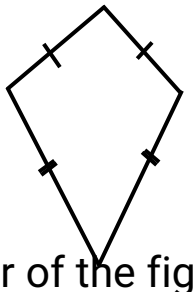
12. Solve : h + 21 = 40

13. Subtract $\frac{6}{11}$ from $\frac{10}{11}$

14. Prime factorise 24 and state your answer in set notation.

15. Acen went to the market with a twenty thousand shilling note and bought a water bottle at sh.17,000. Find her change.

16. Name the shape below.



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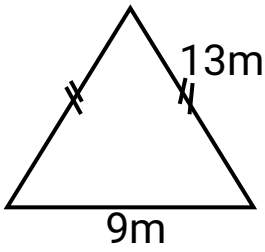
17. Find the perimeter of the figure below.



18. Change 2 ¾ to an improper fraction.

19. Collect like terms; 2balls + 6 plates + 8 balls + 3 plates .

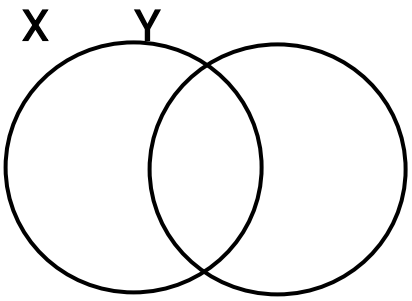
20 Kafeero tossed a coin once. What is the probability that a tail showed up?

SECTION B (60 marks)

21. Given that X = { all even numbers between 0 and 10 }
Y = { 2, 3 , 4 , 5 , 6 }

(a) List the elements of set X. (**1mark**)

(b) Represent the above sets in the Venn diagram below.

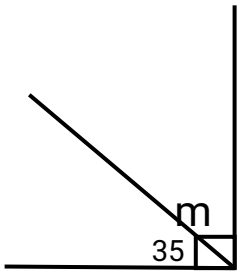


(**3marks**)

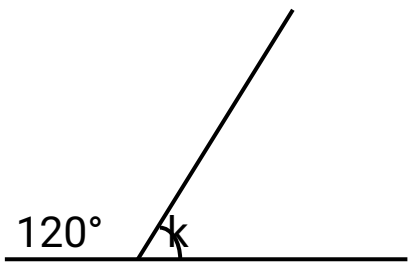
(c) Find n(X∪Y) (**1mark**)

22. Find the values of the unknown angles in the figures below.
(**2 marks @**)

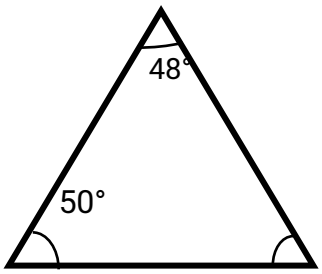
i)



ii)



iii)



23. Use the shopping list below to answer the questions that follow.

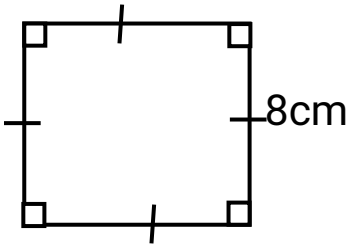
a kg of sugar at sh. 3,500
a kg of rice at sh. 4,000
a bar of soap at sh. 7,000
a bottle of Rwenzori water at sh.2,000

a) What is the cheapest item? (1mark)

(b) How much more can one pay for a bar of soap than a kg of sugar? (1mark)

(c) Ms. Nankya went with sh. 50,000 and bought all the items above. Find her change. (2marks)

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



(a) How many right angles has the figure? (**1mark**)

(b) Find the area of the figure. (**2marks**)

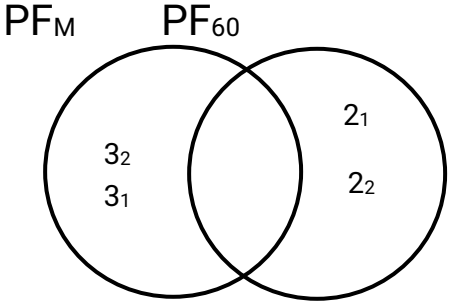
(c) Calculate the distance round the figure. (**2marks**)

25 (a) Simplify: $4y + y + 6y + 2y$. (**1mark**)

(b) Find the missing number $-\square 34$ (**2marks**)

(c) Find the value of r; $r \div 4 = 12$ (**2marks**)

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



(a) Find the value of M (**1mark**)

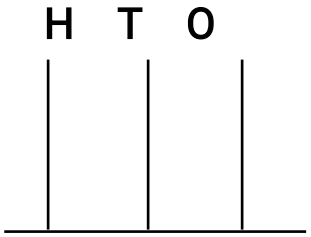
(b) Work out the G.C.F of M and 60. (**2marks**)

(c) Find out the L.C.M of M and 60. (**2marks**)

27(a) Find the number which has been expanded. (1mark)

60,000 + 2,000 + 20

(b) Represent the smallest number formed using the digits 1, 5 , 3 on an abacus below. (2marks)



(c) Write CCV in words. (2marks)

28(a) Work out: $304_{five} + 120_{five}$ (1mark)

(b) Convert 17 base ten to base five. (2marks)

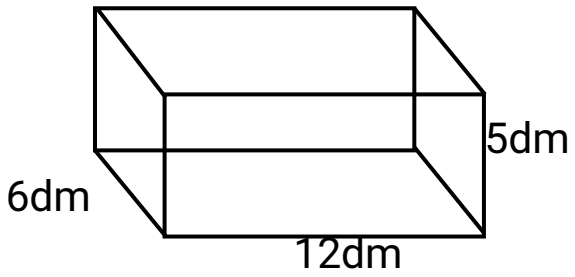
(c) Change 123_{five} to base ten. (2marks)

29(a) Find the next 2 equivalent fractions to $\frac{2}{3}$. (2marks)

(b) Subtract $\frac{3}{5} - \frac{1}{15}$ (2marks)

(c) What is $\frac{2}{7}$ of 42? (2marks)

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



(a) Name the above solid figure. (1mark)

(b) Find the number of;

i) edges (1mark)

ii) vertices (1mark)

(c) Calculate the volume of the above figure. (2marks)

31(a) At Namagunga Primary Boarding School, there 324 Primary five pupils. If there are 4 streams for Primary five and each stream has the same number of pupils, how many pupils are in each stream? (2marks)

(b) Work out the following; (1mark @)

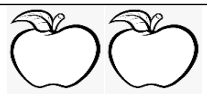
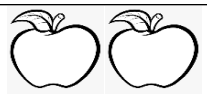
i) 8 7 8 1 4

+ 2 1 1 6 8

ii) 8 0 0 0

4 2 4

32. The table below shows apples that were given to different girls in P.5 Swans class.

Martha	
Claire	
Liz	
Marion	

Scale  = 2 apples

(a) Which girl received the highest number of apples?

(1mark)

(b) How many apples did Liz receive?

(1mark)

(c) Which girls received the same number of apples?

(1mark)

(d) How many apples did the four girls receive altogether?

(2marks)

End