

ATLAS JUNIOR ACADEMY – LUGOBA NABWERU

MID TERM TWO EXAMINATION 2023

MATHEMATICS

PRIMARY SIX

Time allowed: 2 hours 30 Minutes

NAME:.....

CLASS:.....STREAM.....

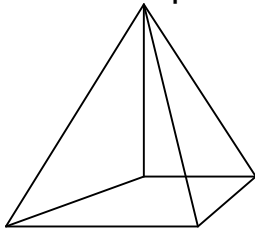
SECTION A (40 MARKS)

1. Workout: $35 \div 5$

2. Write 13,013 in words.

3. Find the value of 8 in the number 2896.

4. The figure below is a pyramid. Use it to answer the questions about it.



i. Find its number of edges.

ii. How many faces does it have?

5. Find the next number in the sequence.
0, 4, 10, 18, 28, _____

6. Convert 134_{five} to base ten.

7. Simplify: $3a - a + a + 2b$

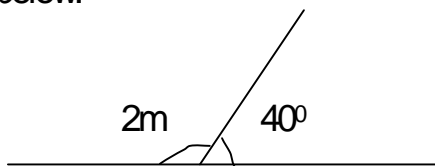
8. With the help of a protractor, draw an angle of 70° in the space provided below.

9. Find the lowest common multiple of 18 and 20.

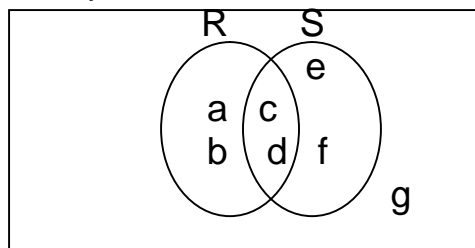
10. Workout $(56 \times 2) + (34 \times 2)$ using distributive property.

11. A bag contains 8 red pens and 7 blue pens. Find the probability of picking a red pen from the bag at random.

12. Find the size of angle m in the figure below.



13. Use the Venn diagram below to answer the questions that follow.



How many elements are not found in set R?

14. Workout: $\frac{3}{4} - \frac{1}{2}$

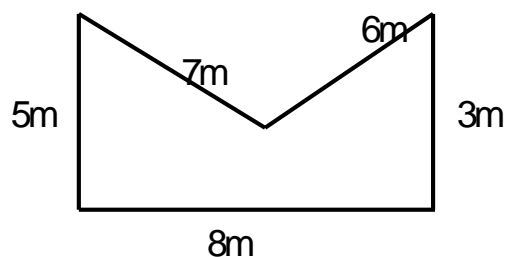
15. Find the mean of 3, 7, 5, 2 and 13

16. Mary withdrew 5 notes of sh.1000 each from mobile money. How much money did she withdraw?

17. Workout:

Kg	g
4	620
+ 5	170
<hr/>	

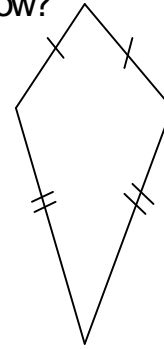
18. Find the total distance around the shape below.



19. If  represents 6 chairs, how many chairs are represented by



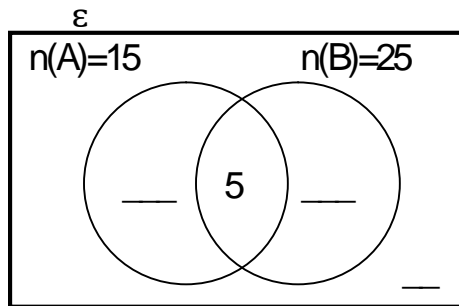
20. How many lines of folding symmetry has the figure below?



SECTION B (60 MARKS)

21. Given that $n(A)=15$, $n(B)=25$, $n(A \cap B)=5$, and $n(A \cup B)=X$

a) Use the above information to complete the Venn diagram. (3marks)



b) If $n(\epsilon)=55$, find the value of X . (2marks)

22. a) Work out a): $\frac{1}{2} - \frac{3}{4} + \frac{5}{6}$ (2marks)

b) $\frac{1.2 \times 0.09}{0.4}$ (2marks)

23. A father had money in his pocket as follow.

2 notes of fifty thousand shillings.

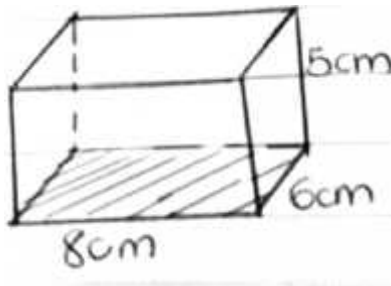
5 notes of five thousand shillings

10 coins of five hundred shillings.

a) How much money did he have in his pocket altogether? (2marks)

- b) If he bought a watch from a nearby shop at sh. 56,500, how much money did he remain with?
(3marks)

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



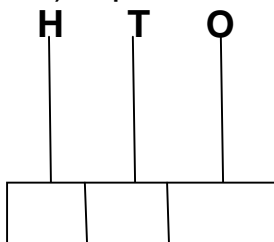
- a) Find the perimeter of the shaded part. (2marks)
- b) Find the volume of the cuboid above. (2marks)
- c) Find the number of vertices of the above figure. (1mark)

25. The sum of 4 consecutive integers is 46. Find the integers. (5marks)

26. With the help of a ruler, a sharp pencil and a pair of compasses only. Construct a rectangle ABCD where $AB=7\text{cm}$ and $BC=5\text{cm}$. **(4marks)**

b) Measure AC. **(1mark)**

27. a) Represent four hundred three on the abacus below. **(1mark)**



b) What number has been expanded to give $(5 \times 10^1) + (8 \times 10^0) + (3 \times 10^{-1})$? **(2marks)**

28. How many 200g packets of salt can be got from a 3.2kg packet of salt?

(2marks)

b) Work out correctly;

(2marks@)

i) Metres Centimeters

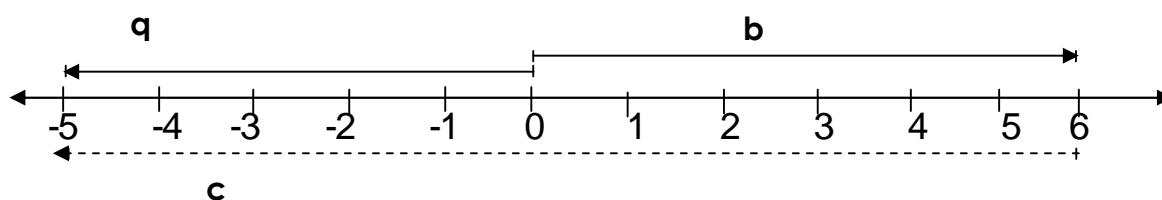
$$\begin{array}{r} 49 \\ + 30 \\ \hline \end{array}$$

ii) Hours

Minutes

$$\begin{array}{r} 45 \\ - 30 \\ \hline \end{array}$$

29. Use the number line below to answer the questions that follow.



a) Write the integers represented by the arrows.

(1mark@)

c= _____

b= _____

b) Write the mathematical statement for the arrows shown above.

(3marks)

30. If $X=40$, $Y=50$ and $P=10$. Find the value of ;

(2marks @)

a) $X+Y$

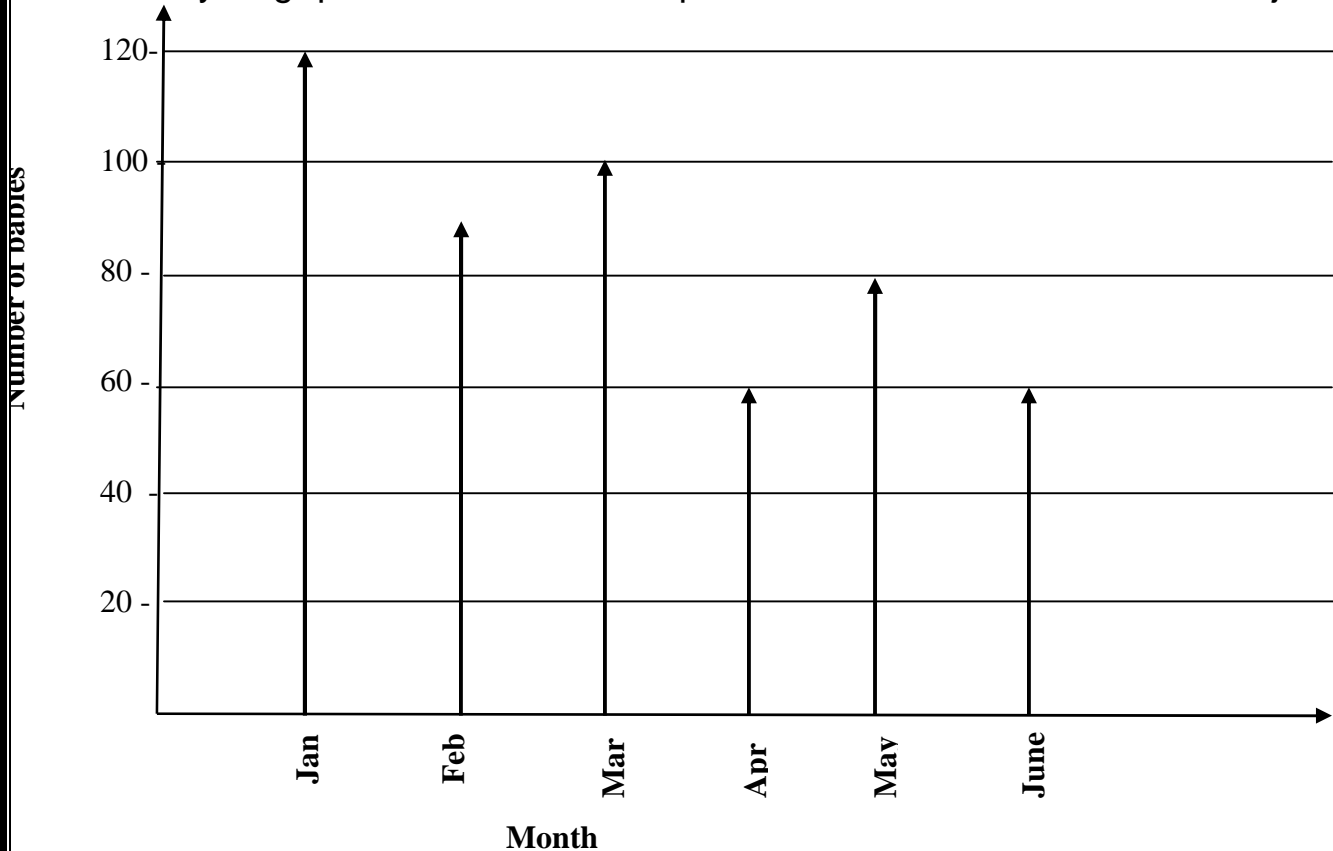
b) $Y-P$

b) $\frac{X+Y}{P}$

31. A man bought items as shown in the table below. Complete the bill by filling in the missing information. (5marks)

Item	Quantity	Unit cost	Total
Meat	2kg	Sh.15000	Sh.
Sugar	_____kg	sh.4000	Sh.6000
Rice	3kg	Sh._____	Sh. 14,400
Paraffin	2 ½ litres	Sh._____	Sh. 10,000
Total expenditure			Sh._____

32. Study the graph below and answer the questions that follow. Records of births in Hojo hospital.



- In which month was the biggest number of babies born? (1mark)
- How many babies were born in February? (1mark)
- Which two months had the total number of births of 220? (2marks)