SIR APOLLO KAGGWA BOARDING PRIMARY SCHOOL-OLD KAMPALA

PRIMARY SEVEN HOLIDAY PACKAGE SET TWO TERM ONE, 2022

MATH

Time allowed: ***2 hours 15 minutes***

Candidate's Name: _____ **Stream**_____

SECTION A

1. Work out: 23 + 8

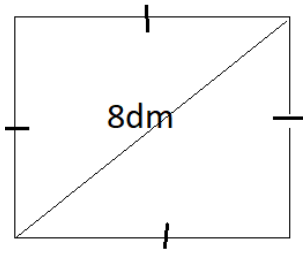
2. Write in figures: Eighty six thousand forty

3. Simplify: $7m - (3m - 4)$

4. Draw a Venn diagram to show that n(MUN) = (N)

5. Work out: $^{+}5 + {}^{-}3$

6. Find the area of the figure below.



7. Decrease 900kg in the ratio of 5:3

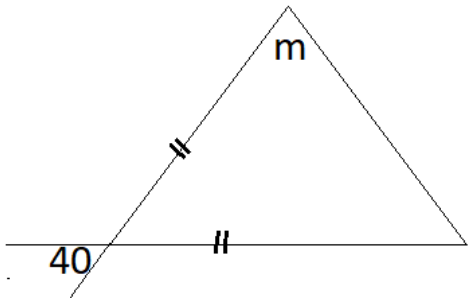
8. A meeting started at 10:40a.m and ended at 11:15 a.m. How long was the meeting?

9. Calculate the circumference of a semi-circle whose diameter is 21dm.

10. The cost of a pen is five times as much as a ruler. If they both cost Sh.60,000 what is the cost of the pen?

11. In a class of 28 pupils, $\frac{3}{7}$ of them are boys. What is the probability of a girl becoming a class monitor of the class?

12. Find the size of the angle marked m in the diagram below.



13. Write 42 in Roman Numerals

14. John got a loan of sh.400,000 at a rate of 5% per year in a period of 6 months. Find the interest.

15. Find the range of the following numbers.

3, $^{+}2$, 1, 0, 2

16. Kyambadde covered 400 metres in 40 seconds. Find his speed in kilometre per hour (km/hr)

17. Using a ruler, a pencil and a pair of compasses only, construct an angle of 135^0 in the space below.

18. Given that: $x^2 + x^2 = 98_{ten}$, find the value of x.

19. A school has enough food to last 180 pupils for 3 days. How long will the food last if 120 more pupils join the school?

20. What is the 99^{th} triangular number?

SECTION B 60 MARKS)

21. Keith bought the items in the table below from Kawempe market.

Item	Quantity	Unit cost	Amount
Rice	2kg	Sh.3500	Sh._____
Sugar	$3\frac{1}{2}$	Sh._____	Sh.10,500
Soap	_____bars	Sh.4000	Sh._____
Meat	1500gm	Sh.8000	Sh._____
Total cost			Sh.41,500

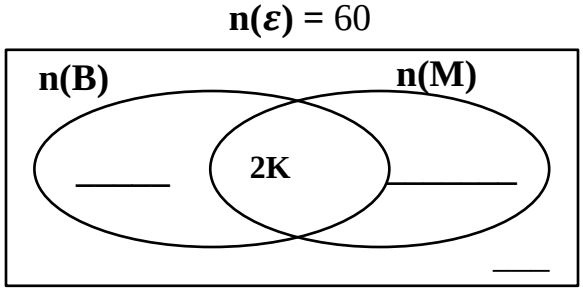
(a) Complete the table. (5marks)

(b) How much money did Keith pay if he was given a discount of 10%?
(1 mark)

22. In Mujwa Primary school, the ratio of boys to girls is 3:7. If there are 56 more girls than boys, find the total enrolment of the pupils in the school.
(1mark)

23. In a class of 60 pupils, 35 like Meat (M) 30 like Beans (B), 2k like both meat and beans while 6 pupils like neither of the two.

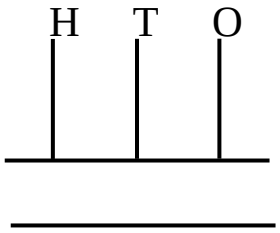
a) Represent the above information on the Venn diagram below. (3marks)



b) Find the value of k.

24. a) Solve for y: $301_y = 76_{ten}$ (3marks)

b).Show 302_{five} on the abacus below (2marks)



25. In a class, there are 480 pupils, $\frac{3}{8}$ of the pupils are girls and the rest are boys. If ½ of the boys and $\frac{2}{9}$ of the girls like playing football, how many pupils do not like plating football? (4 marks)

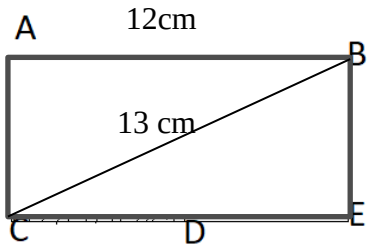
26. Below is a table of marks scored by pupils in a certain test. Use it to answer the questions that follow.

Marks	90	50	40	60
No of pupils	2	4	1	3

a) How many pupils scored above 55? (2marks)

(b) Find the average mark. (3 marks)

27. Below is figure ABCE. Study it and answer the questions that follow.



a) Find the length AC. (2 marks)

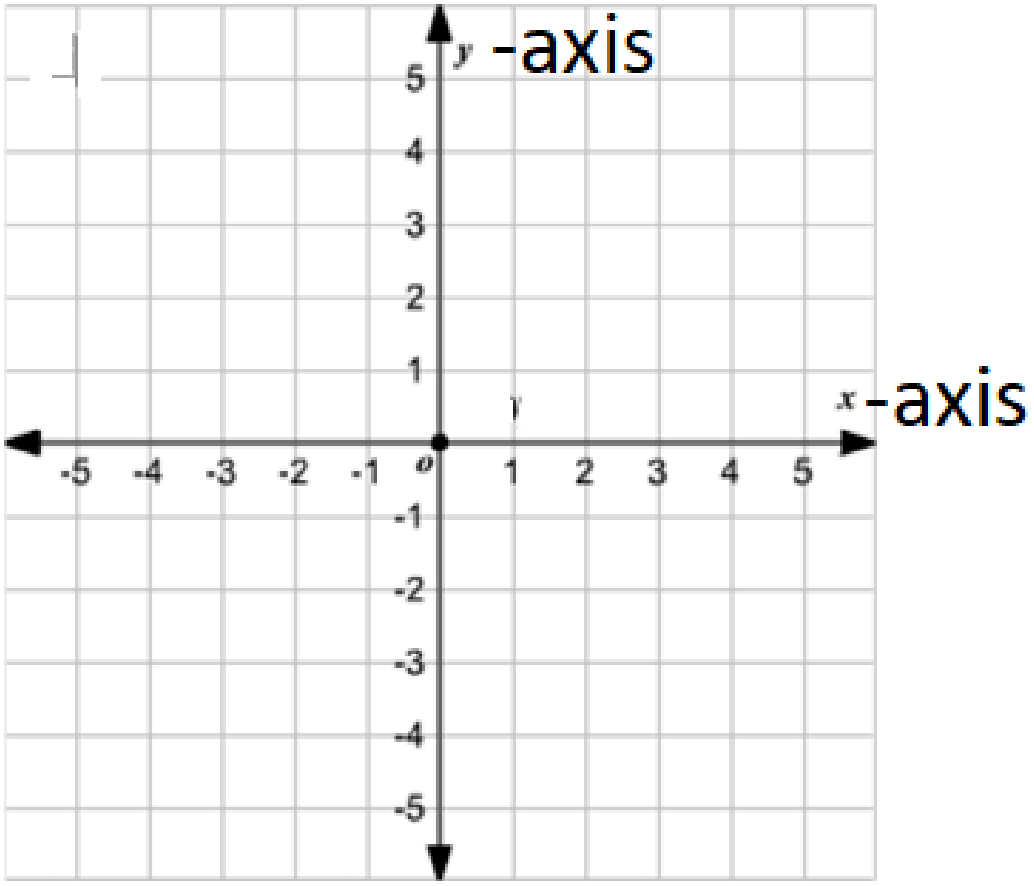
c) Work out its perimeter. (3marks)

28. Simplify: $\frac{0.24 \times 0.12}{0.06 \times 2.4}$ (3 marks)

b) Change 0.121212…t0 a common fraction. (2 marks)

29. Three boys; Abby, Boaz and Carlos shared 180books. Abby got twice as much as Boaz and Carlos got 30 books more than Abby. How many books did each boy get?
(5 marks)

30. a) Plot the following points on the co-ordinate graph blow.
P(⁻4,3) Q(⁻1,3) R(⁻4,⁻1) and S(3⁻1)



b). Join P to Q, Q to S, S to R, R to P (1mark)

c)Name the figure formed. (1mark)

31. A motorist drove at 60km/hr for 3 hours from A to town B. He continued to town C at 80km/hr for 2 hours.

a) Find the total distance covered from A to C. (3 marks)

b) Calculate the average speed for the whole journey. (2 marks)

32. a) Solve for K: $3 \div K = 4$ (finite7) 3marks.

c) If today was a Friday, what day of the week would it be after 31 days? (2 marks)

END