



NABBINGO JUNIOR SCHOOL

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"Broadening minds"

MID TERM II EXAMINATION 2024

PRIMARY SEVEN MATHEMATICS

Time: 2hours: 30minutes

PUPILS NAME: _____

SCHOOL MOTTO: _____

DISTRICT: _____ SIGNATURE: _____

Read the following instructions carefully:

1. This paper has **two** sections: **A** and **B**.
2. **All** working for both sections **A** and **B** must be shown in the spaces provided.
3. **All** working must be done using a blue or black ball-point pen or fountain pen. Diagrams should be drawn in pencil.
4. No calculators are allowed in the examination room.
5. Unnecessary changes of work may lead to loss of marks.
6. Any handwriting that cannot easily be read may lead to loss of marks.
7. Do not fill anything in the boxes indicated: "**For examiners' Use Only**" and those inside the question paper.

FOR EXAMINERS' USE ONLY

Qn. No.	Marks	Exrs' No.
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 50		
51 – 60		
61 – 70		
71 – 80		
81 – 90		
91 – 100		
101 – 110		
111 – 120		
121 – 130		
131 – 140		
141 – 150		
151 – 160		
161 – 170		
171 – 180		
181 – 190		
191 – 200		
Total		

Turn Over

SECTION A

1. Take away 999 from 1000.

5. Express 0.3636..... as a common fraction.

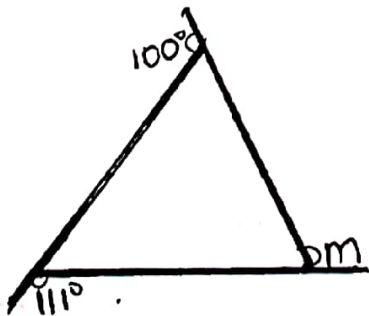
2. Rahmah walk to Namugongo at a speed of 36km/hr. Express her speed in meter per second.

6. Round off 42.96 to the nearest ones.

3. In a village, 40 farmers grow beans, and 30 grow maize. Find the ratio of farmers who grow beans to those who grow maize.

7. If set $K = \{\text{The first seven even numbers}\}$. Calculate the number of subsets in set K

4. Workout the value of m in the figure below.



8. The reciprocal of a number is $\frac{2}{7}$, what is the number?

9. Mercy spends 50% of her monthly salary on school fees payment. How much is her salary if she spends shs 300,000 on school fees??

13. Convert $\frac{3}{4}$ to a decimal fraction.

10. Given the numbers -2, 4, -4, 2, 3, 5 and -5. Workout their range.

14. The sum of three consecutive numbers is 36. If the first number is 11 and the second one is 12, what is the third number?

11. Use a sharp pencil, a pair of a compasses to construct an angle of 300° at point K



12. Write in figures; Thirty six hundredths.

15. Calculate the least number of sweets when shared equally among 10 or 15 boys leaves a remainder 5.

16. Write the morning time shown on the digital clock face below in 24 hour clock system.



17. What number has a standard form 2.006×10^3 ?

19. Write 236_{seven} as a base ten numeral.

18. Express 194 as a Roman numeral.

20. Solve $3 \times X = 81$

SECTION B

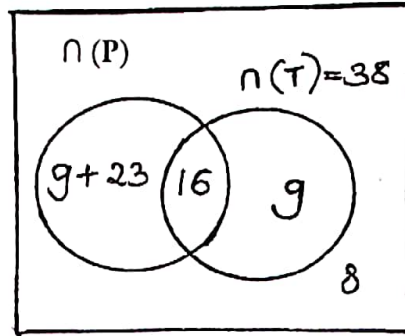
21. In Nabbingo junior school 3 bells, one for nursery, one for lower primary and the other for upper primary ring at an interval of 30min, 40min and 20minutes respectively. If they first ring together at 8:00am,

a) After how many hours will they ring together again? (3mrks)

b) At what time will they ring together again? (3mrks)

c) Joshua spent 3 days in Lira, how many hours did he spend there? (1mrk)

22. Study the venn diagram below carefully and answer the questions that follow.



a) Find the value of g . (2mrks)

b) Calculate $n(E)$. (1mrk)

c) What is the probability of picking $n(T)$ (2mrks)

23a). Convert 104_{five} into base six. (3mrks)

b) If $22_n = 18_{\text{ten}}$, find the value of n ? (2mrks)

24. The sum of 4 consecutive odd number is 36. If the first number is $Y + 2$;

a) Find the value of y (3mrks)

b) Find the median of the number. (2 marks)

c) What is their range? (1mrk)

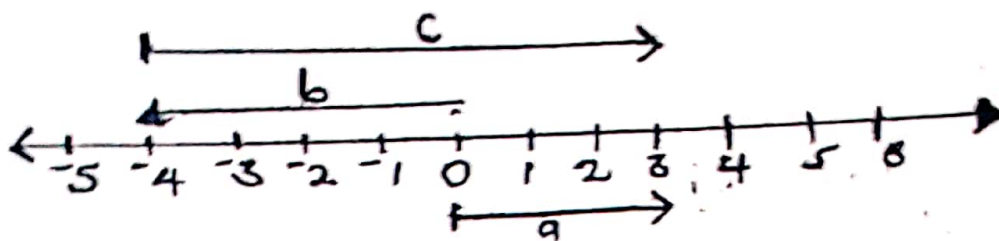
25a). Tap K can take 6minutes, to fill a tank and tap J takes 3 minutes to fill the same tank. How long can both tap take to fill the same tank if left opened at the same time?
(3mrks)

b) Simplify. (2mks)

$$\frac{0.36 \times 1.2}{0.9 \times 0.6}$$

$$0.9 \times 0.6$$

26. Study the numberline below and use it to answer the questions about it.



a) Name the integers represented by the arrows.

i) a _____

ii) b _____

iii) c _____

b) Write the mathematical statement represented on the numberline
(1mrk)
above.

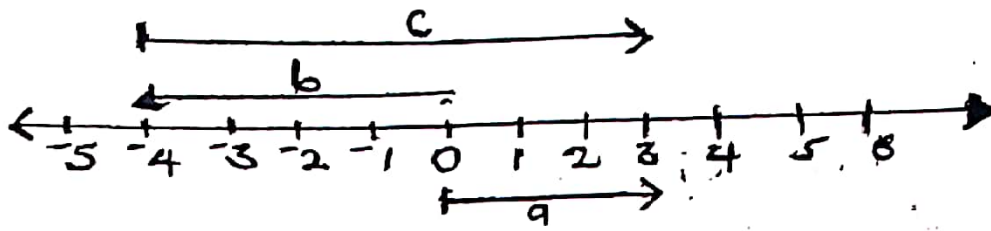
27a) Hellena went for shopping and purchased the following items.

- ✓ 2kg of sugar at shs 4000 per kg
- ✓ 3kg of rice at shs 3200 for per kg
- ✓ 2 ½ loaves of bread at shs 2000 per loaf
- ✓ 6 bars of soap at shs 12000

a) How much money did she spend altogether? (4marks)

b) If she went with two twenty thousand shillings notes, workout her change.
(2mrks)

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a) Name the integers represented by the arrows.

i) a _____

ii) b _____

iii) c _____

b) Write the mathematical statement represented on the numberline above. (1mrk)

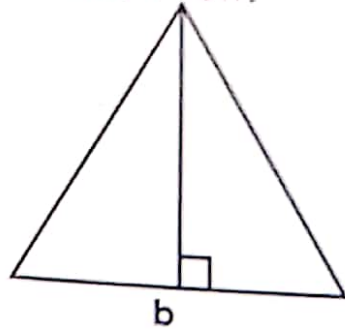
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28. The area of the figure below is 60cm^2 and its height is 12cm . Study it and answer questions that follow.



a) Workout base "b"

(2mrks)

b) The area of a square is 100cm^2 . Find its perimeter.

(3mrks)

29. Open the bracket and solve for y in $3(y+4) = 21$.

(2mrks)

b) Solve $4^n = 16$

(2mrks)

30a) Using a ruler, a sharp pencil and a pair compasses only. Construct a triangle WXY where angle YWX = 60° and angle WXY = 45° and line WX = 5.7cm. (4mrks)

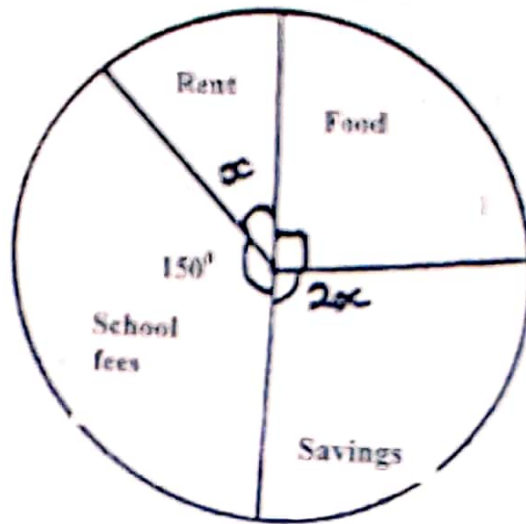
b) Measure line XY

(1mrk)

31. A cyclist left town A travelling at a speed of 45km/hr to cover 90km to town B. Calculate the time he took to cover the journey (2mrks)

b) A car takes $2\frac{1}{2}$ hrs to cover a journey at a speed of 40km/hr. Find the distance travelled. (2mrks)

32. The circle graph below shows how Mr. Ongima spends his monthly income. Use it to answer the questions about it.



a) Find the value of x .

(2mrks)

b) What fraction of his income is spent on school fees?

(2mrks)

c) If he saves shs 120,000, what is his monthly salary? (2mrks)