



NABbingo JUNIOR SCHOOL

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"Broadening minds"

END OF TERM I 2024 EXAMINATION PRIMARY SEVEN MATHEMATICS

Time: 2hours: 15minutes

PUPILS NAME: _____

SCHOOL NAME: _____

SIGNATURE: _____ DISTRICT NAME: _____

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 – 22 | | |
| 23 – 24 | | |
| 25 – 26 | | |
| 27 – 28 | | |
| 29 – 30 | | |
| 31 – 32 | | |
| 33 – 40 | | |
| 41 – 55 | | |
| Total | | |

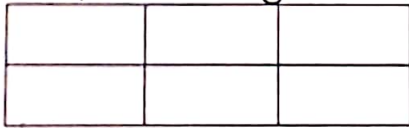
SECTION A (40 MARKS)

1. What is the product of 16 and 24?

2. Set Q has 32 subsets, how many elements has set Q?

3. Show $\frac{1}{4}$ past noon on the clock face.

4. Shade $\frac{2}{3}$ of the figure below




5. Find the value of P if prime factors of 42 are $\{2, P, 7\}$

10. Work out $(79 \div 8) - (7 \div 8)$ using distributive property.

6. Convert 500m to km.

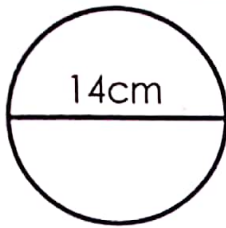
7. Use a numberline to simplify $5 + 4 = \underline{\hspace{2cm}}$ (finite 7)

8. If  represents 5 huts, draw pictos to represent 20 huts.

9. 6 tins of cowboy cost shs.18,000. Calculate the cost of 8 similar tins.

11. The diameter of the circle below is

14cm. find its area.

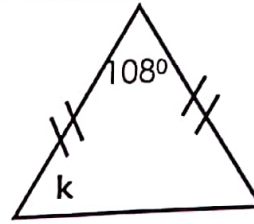


12. Calculate the square root of 100.

13. A shopkeeper bought 19 plates shs.34,200. At what price must the shopkeeper sell each plate in order to raise a profit of shs.3800?

14. Using divisibility test, which of the following numbers are divisible by 3?
111, 19, 421

15. Find the size of angle k in the figure below;



16 At a forex bureau, the exchange rate of a US dollar is Ugshs.3600. How many dollars will one get from Ugshs.1,080,000/=?

17 Add: Weeks Days
 20 4
+ 9 4

18 Simplify $+9 + +2$

P.T.O

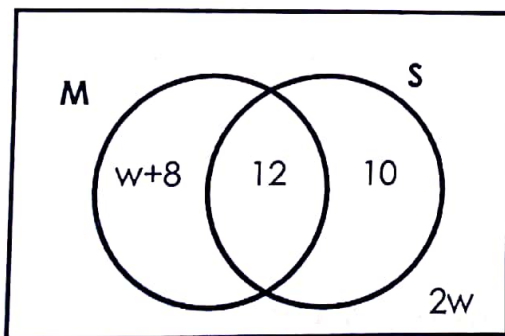
19 Which number has been expanded below;

$$(2 \times 10^2) + (3 \times 10^1) + 4 \times 10^{-1} + (6 \times 10^{-2})$$

20. Construct an angle of 30° in the space below.

SECTION B

21. The Venn diagram shows the number of pupils who like Maths (M) and Science (S) in P.7 class.



(a) If 38 pupils like only one subject, find the value of w . (12 marks)

(b) How many pupils are in the whole class? (02 marks)

(c) What is the probability of picking a pupil who likes both subjects?

22. Simplify:

(a) $\frac{0.36 \times 1.2}{0.9 \times 0.6}$ (02 marks)

(b) Work out: $\frac{2}{3} + \frac{1}{4}$ of $\frac{3}{4}$ (02 marks)

(c) Write 30% as a fraction in its simplest form. (01 mark)

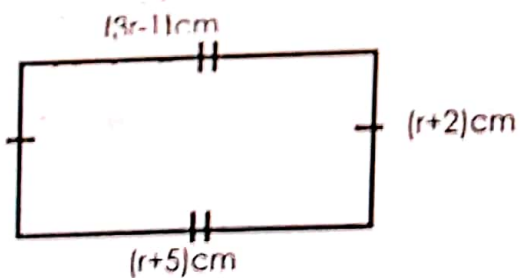
23. A teacher deposited shs.900,000 in a bank which offers a simple interest rate of 8% per annum.

(a) Calculate the interest he got after 6 months. (03 marks)

(b) What amount of money did he receive after 6 months? (01mk)

b) How much more did Apii get than Aminah? (02 marks)

24. Use the rectangle below to answer the questions that follow.



(a) Find the value of r . (02 marks)

(b) Find the area of the figure. (03 marks)

25. Aminah, Angela and Apii shared shs.360,000 in the ratio of 3:4:5 respectively;

a) How much did each get? (03 marks)

26. If $200y = 55_{\text{nine}}$, find the unknown base y . (04 marks)

(b) Round off 498 to the nearest tens. (01 mark)

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(c) Add 111_{two} to 101_{two} .
(01 mark)

27. The circle graph below shows how pupils of Nabbingo Junior School are distributed in various clubs in the school.
Use it to answer questions that follow



(a) Calculate the value of P.
(02 marks)

(b) If there are 1,080 pupils in the school, how many pupils belong to scouting?
(02 marks)

(c) How many more pupils are in soccer than in scouting? (02 marks)

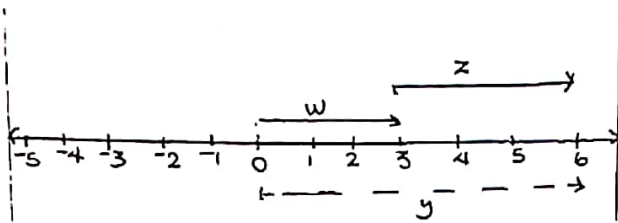
28. Given that $x = 2$, $b = -3$ and $c = 4$. Find the value of;

a) $x + b + c$ (01 mark)

b) $c(b + x)$ (02 marks)

c) $\frac{xbc}{xc}$ (02 marks)

29. Study the number line below and answer the questions that follow;



a) Name integers represented by;

(i) $w =$ _____

(ii) $z =$ _____

(iii) $y =$ _____

b) Write a mathematical statement for the above movement. (2mks)

30. The sum of three consecutive counting numbers is 18. If the numbers are y , $y+1$ and $y+2$.

(a) Find the value of y . (03 marks)

(b) What are the numbers? (02 marks)

31 Use a sharp pencil, a pair of compasses and a long ruler; (03 marks)

a) Construct a quadrilateral ABCD where $AB = BC = CD = DA = 4\text{cm}$

b) Work out its area in square centimeter. (02 marks)

P.T.O

32a) Melisa moved from Masaka to Lira at a speed of 80km per hour for 10hrs. What distance did she cover?
(02 marks)

a) Express $4\frac{1}{2}$ hrs as minutes.
(02 marks)

*****END*****

P.T.O