



THE REAL PRIVATE TEACHERS' VOICE EXAMINATIONS BOARD
NEXT TO PRIMARY LEAVING EXAMINATIONS – 2022
THE VERIFIED UNEB BLUE PRINT ITEM (THREE)

MATHEMATICS

Time allowed: 2 Hours 30 Minutes

BASED ON
THE
PRIMARY SCHOOL
ABRIDGED CURRICULUM
FOR UGANDA

Index no:

Random No					Personal No				

Candidate's name:

Candidate's signature:

School:

District:

Read the following instructions carefully

1. This paper is made up of two sections: **A** and **B**.
2. Section **A** has **20** questions (**40 marks**).
3. Section **B** has **12** questions (**60 marks**).
4. Answer ALL questions in both sections **A** and **B**.
5. All answers **MUST** be written in the space provided
In blue or black ball point pens or ink. All diagrams
Should be in pencil.
6. Unnecessary crossing of answers will lead to loss of
Marks.
7. Poor hand writing which cannot be easily read,
May lead to loss of marks.

FOR EXAMINERS' USE ONLY		
Qn.No	MARKS	SIGN
1–10		
11–20		
21–22		
23–24		
25–26		
27–28		
29 – 30		
31 - 32		
TOTAL		

The Real Private Teachers' Voice Examinations Board 2022.

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REAL PRIMARY LEAVING EXAMINATIONS 2022

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SECTION A (40 MARKS)

1. Workout **124 + 76**

2. Write **808080** in words

3. Workout **101_{two} × 11_{two}**

4. Convert: **5m²** into **cm²**

5. Solve **3ⁿ ÷ 81 = 1**

6. Workout;

Hrs	Min
7	40
- 5	50

7. Write **0.00392** in scientific form.

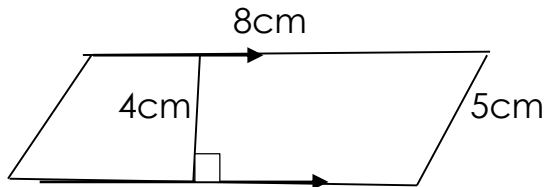
8. Write **4tens + 4ones** in Roman numerals.

9. What is the complement of **(20 + x)⁰**?

11. Change **0005hrs** into a **twelve-hour** clock system.

10. Given that **k = 5**. Find the value of **2k²**.

12. Find the area of the figure below.



13. In a class of **72** pupils **³/₄** of them are girls. How many boys are in that class?



14. Ssempijja bought a radio at Shs**18,000**. If he sold it and made a loss of Shs**3000**, how much did he sell the radio?

16. Workout; $1 - 2 = \dots\dots\dots$ (mod. **5**)

18. Find the mean of **2x**, **x-5**, **x** and **9**.

15. Express **40m/sec** to km/hr.

17. What number has been expanded give: $(8 \times 10^3) + (5 \times 10^1) + (4 \times 10^{-1})$

19. Workout $(65 \div 4) + (35 \div 4)$ using distributive property.

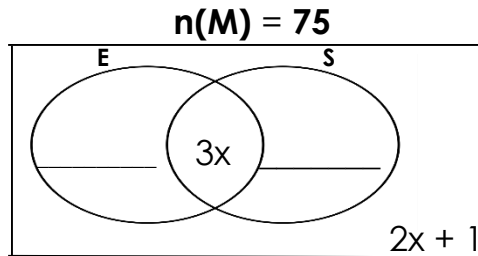
20. The area of a square is **64m²**. What is its perimeter?



SECTION B (60mks)

21. In a class of **75** pupils, all of them like Mathematics(M), **38** like English (E), **3x** like all the three subjects, **2x + 4** like Science (S) and Mathematics only but **(2x + 1)** like Mathematics only.

a). Use the information given to complete the venn diagram below. (2mks)



b). Find the value of **x**. (2mks)

c). How many students like both Mathematics and Science? (1mk)

22a). A lorry weighs **4.5** tonnes when fully loaded with bags of maize and **2.5** tonnes when empty. Calculate the weight of bags alone in kilogramme. (3mks)

b). How many **50kg** bags can it carry when fully loaded. (2mks)

23. A piece of metal below was folded to form a cylindrical container. Use it to answer the following questions.



a). Calculate the area of the piece of metal above. (1mk)

b). Work out the volume of the cylindrical container formed. (4mks)

24a). Solve $5(h - 2) - 3(h - 4) = 6$ (2mks)

b). If $57_p = 202_{\text{five}}$. Find the value of base p . (3mks)

25.a). The sum of the interior angles of a regular polygon is 1440° . Calculate the number of sides. (4mks)

b). Find the size of its exterior angle. (1mk)

26. Adyeri is **18** years older than his son now. In **10** years' time, he will be twice as old as son. How old is Adyeri and his son now? (5mks)

27. The table below shows Jannet's Weekly expenditure.

ITEMS	QTY	UNIT COST (Shs)	AMOUNT
Posho		1,800	5,400
G/nuts	500g	2,000@kg	
Rice	2kg		5,000
Meat		10,000	20,000
Sugar	$3\frac{1}{2}$	4,000	

Complete the table above by showing all the necessary working. (5mks)



28a). Simplify $\frac{1.62 - 0.37}{1.25 - 0.05}$ (3mks)

b). Solve and find the solution set for $10 \geq 2x \geq 4$ (2mks)

29. The table below shows a group of pupils who did the mathematics contest. Use it to answer questions that follow.

Marks	80	70	W	90
No of pupils	2	3	4	1

a). How many pupils did the test? (1mk)

b). If the average mark was **70**, find the value of **w**. (3mks)

30. A man spends $\frac{1}{4}$ of his salary on food and $\frac{1}{3}$ of the remainder on fees. If he is left with Shs**24,000**. What is his salary? (5mks)



31. a). The sum of **three** consecutive even numbers is **90**. If the largest number is **k**. Find the numbers. (4mks)

b). Find the product of the **first** and the **third** numbers. (2mks)

32.a). A motorist left town **A** for town **B** at an average speed of **80km/hr** for **1½hours**. He rested for a **half** of an **hour** and then returned to **town A** at a steady speed of **60km/hr**. Find the distance between town **A** and town **B**. (2mks)

b). Calculate the time taken for the return journey. (1mks)

c). Calculate the average speed for the whole journey. (2mks)

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