THE REAL PRIVATE TEACHERS' VOICE EXAMINATIONS BOARD
NEXT TO PRIMARY LEAVING EXAMINATIONS – 2022
THE VERIFIED UNEB BLUE PRINT ITEM (TWO)
MATHEMATICS
Time allowed: 2 Hours 30 Minutes

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.
Tel: 0782-927840/0704-816448/0741-126776

REAL PRIMARY LEAVING EXAMINATIONS 2022

Rely on us for weekly, monthly, Beginning of term, midterm and End of term tests. Pre-mocks, Mocks and Pre-PLE Examinations.
OUR PROMISE We are here to ease P.L.E for you. We are ready to **SERVE** you till the last minute.

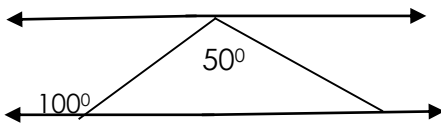## We are Approachable, Reliable and Affordable

SECTION A (40 MARKS)

1. Workout **3636 ÷ 9**

2. Simplify **1½ - ¾**

4. Sove: **12** – **2k** = 2

3. Write **44444** in words

6. Workout: **(7.5** x **6)** + **(7.5** x **4)**

5. Find the value of **k**

50⁰

100⁰

7. A baby weighs **8500**grams. Express this mass in kilograms.

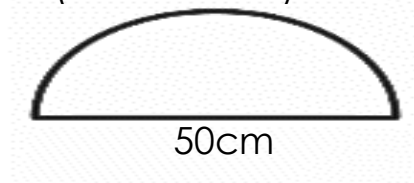8. Work out **1101**two – **110**two

9. A car left Kampala at **2:15p.m.** and it arrived at Masaka at **4:30p.m.** How long did the journey take?

10. Find the next number in the sequence.
    1, 8, 27, 64,_____,_____

11. Workout the perimeter of the figure below. (Use π as **3.14**)

50cm

12. Five men take **6** days to clear a shamba. How many more days will **3** men take to do the same piece of work, working at the same rate?

13. Write **CMIX** in Hindu Arabic numerals.

15. Find the average of **5y**, **9**, **3y** and **19**

14. If today is **Friday**, what day of the week will it be **45** days from today?

17. Find the length of line **AE** on the figure below if **AC = 20cm**, **BD = 8cm** and **BC = 16cm**

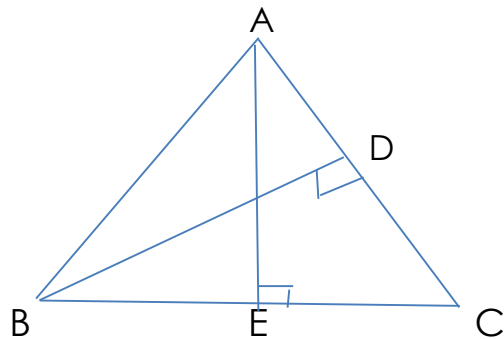16. The average mass of three boys is **24kg** if mass of two boys is **50kg**, find the mass of the **3ʳᵈ** boy.

18. Find the square root of **144**.

19. If a =0 and b = 7, find the value of b^2+m^a

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20. The radius of a circular kraal is **21** metres. Musa hopes to put the poles **3** metres apart around his kraal. How many poles are needed?

SECTION B (60mks)

21. The venn diagram below shows students who like **math(M)** and **English(E)** in a P.7 class. Study it carefully and use it to answer the questions that follow.

n($\sum$)

n(M)   n(E)

k + 5   k   2k + 15

K - 5
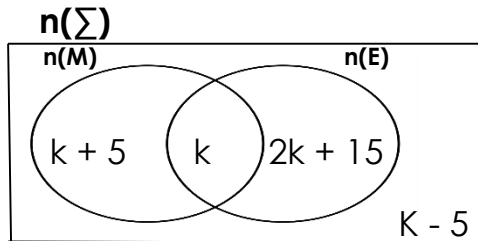
a). Find the value of **k** if **50** students like only one subject. (3mks)

b). How many students like **English** only? (2mks)

22a). Simplify **0.43 + 0.32** (2mks)

b). Express **0.2444…..** as a common fraction in its lowest form. (3mks)

23. A tank was $\frac{3}{4}$ full of water. When $\frac{1}{6}$ of water was used, **2000** litres remained. Find the amount of water the tank holds when completely full. (5mks)

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24a). A motorist left town **A** at **8:00**am and travelled to town **B** at **60**km/**hr** for **2½**hrs. He returned through the same route at **100**km/**hr**. Calculate the distance between town **A** and **B**   (2mks)

b). Calculate the motorist's average speed for the whole journey. (3mks)

25. Find the area of the shaded part in the figure below. (5mks)

24cm

14cm

16cm
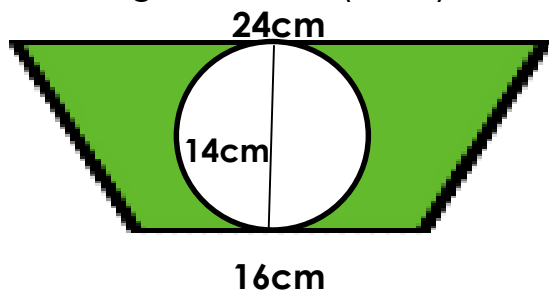
26. Amelia went for shopping to the market and bought the following:-
2½kg of sugar at Shs**4000**per kg.
½kg loaf of bread at Shs**3000**,
250g of blue band at Shs**2,000**,
2 bars of soap at Shs**8,000** a bar
24 mangoes at Shs**20,000** for **4** mangoes
a). Calculate her total expenditure. (4mks)

b). If Amelia went with a fifty thousand shilling thousand note, calculate her change. (1mk)

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27. The table below shows marks scored by pupils in a test.

Marks	40	k	60	80
No of pupils	2	4	3	1

a). Calculate the value of **k** if the mean mark of the pupils is **70**.(3mks)

b). Find their range. (2mks)

28a). Solve $3 - 2(2n - 2) = 4$ (2mks)

b). If $104_n = 29_{ten}$. Find the value of **n**. (3mks).

29a).Oboi deposited Shs**500,000** in the bank Which offers an interest rate of **20%** per annum. How much interest did he get at end of **6** months? (3mks0

b).Calculate the amount of money Oboi after a period of **6** months. (2mks)

30a)Juliet is **3** times as old as her son now. In **5** years' time their total age will be **50** years. How old is Juliet now?(3mks)
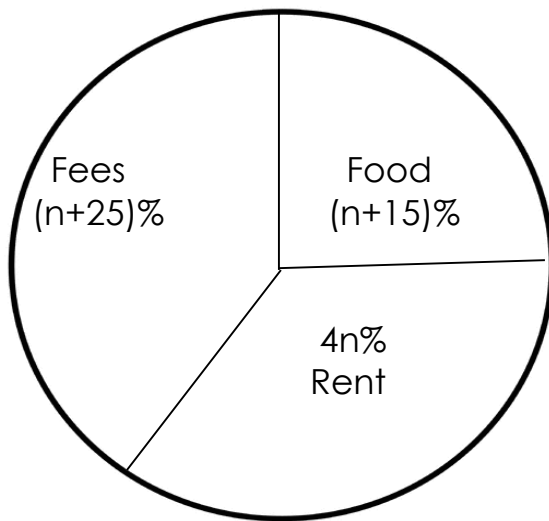
b).How old will the son be in **5** years' time?

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31a). The total surface area of a cube is **96**cm^2. Calculate the length of each Side.(3mks)

a). Find the value of **n** (2mks).

b). Work out its volume. (2mks)

b). If she spends Shs**240,000** on Rent, how much money does she earn? (3mks).

32. The pie-chart below shows how Mrs. Opio spent her monthly salary.

Fees
(n+25)%

Food
(n+15)%

4n%
Rent

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