



**THE REAL PRIVATE TEACHERS' VOICE EXAMINATIONS BOARD**  
**THE REAL VERIFIED UNEB (PLE) BLUE PRINT ITEM 2023**  
**SPECIAL PRIMARY LEAVING MOCK EXAMINATIONS**  
**SET TWO**

**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 2023.**

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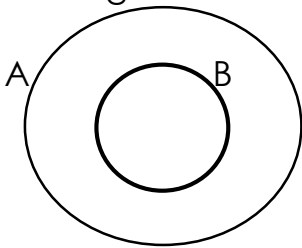
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## SECTION A (40 MARKS)

1. Workout:  $4 - 6 + 8$
2. Subtract:  $x - 1$  from  $2x - 4$
3. Find the range of 8, 0, 4, -1, and -6
4. Write 202,202 in words.

5. In the diagram shade  $(A \cap B)'$



6. Find the product of the next two numbers in the sequence.  
9, 3, 1, \_\_\_\_\_, \_\_\_\_\_
7. Simplify:  $-2 - -6$



8. Express 2.5 tonnes in kilograms.

9. Workout:  $2 - 5 = \underline{\hspace{2cm}}$  finite 8

10. Workout:  $1001_{\text{two}} + 111_{\text{two}}$

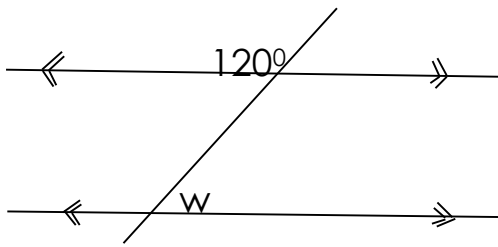
11. The profit on a shirt sold at Shs7,800 was Shs2,200. Calculate the cost price of the shirt.

12. Workout:  $1\frac{1}{2} - \frac{2}{3}$

13. Workout.  $(8.5 \times 17) + (8.5 \times 23)$



14. In the figure below find the value of  $w$



15. Amanda has goats and sheep in the ratio 3:2. If she has 48 goats, how many sheep does she have?

16. Express 999 in Roman numerals.

17. Express 5m/sec to km/hr.

18. The volume of a cube is  $125\text{cm}^3$ . Workout its total surface area.



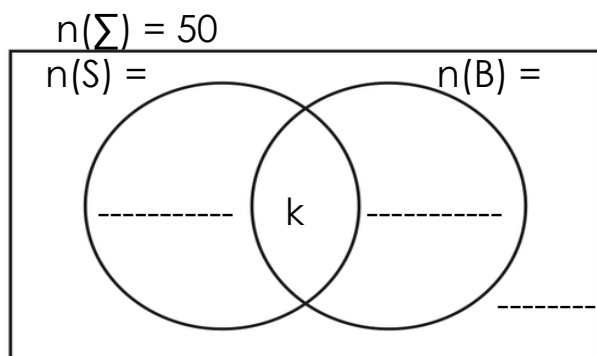
19. 10 men can dig a garden in 9 days. How many more days will 6 men take to dig the same garden working at the same rate.

20. The average age of 4 boys is 15 years. If the teacher joins them, their average age becomes 18 years. Find the age of the teacher.

### **SECTION B (60MARKS)**

21. At a graduation party attended by 50 guests, 30 guests took soda and 25 took beer,  $K$  took both drinks while 3 guests took none of the drinks.

a). Represent the information above in the Venn diagram below. (2mks)



b). How many guests took both drinks. (3mks)

22.a).Express:  $\frac{0.9}{0.36} \times \frac{0.16}{0.08}$  (2mks)

b). Express: 0.2666---- as a common a fraction in its simplest form. (3mks)

23.Annet spent  $\frac{2}{5}$  of her salary on food,  $\frac{1}{2}$  of the remained on rent and saved the rest amounting to Shs600,000. How much was her salary? (5mks)



24.a). Moses bought 3kg of sugar at Shs(P-200) per kg and 5kg of meat at Shs(2P+600) each kg. If he spent Shs67,400 on both items. Find the value of P. (3mks)

b). How much did he spend on each item? (2mks)

25. a). Given that  $302_k = 77_{\text{ten}}$ . Find the value of k. (3mks)



b). Solve for w,  $2^w \times 4 = 32$  (2mks)

26. The table below shows the exchange rate at TX forex bureau on a certain day.

CURRENCY	BUYING	SELLING
1 USA dollar	1 pound	1Ksh
Ugsh.3600	Ugsh.4300	Ugsh.36
Ugsh.3700	Ugsh.4450	Ugsh.38

a). If a tourist comes from America with 125 USA dollars, how much in Ugandan shillings does he get? (3mks)

b). Musoke, a Ugandan had Uganda shillings 534,000, how much in pounds did he get from TX forex bureau. (2mks)





27.a). A mother is thrice the age of her son now. In 8 years, the difference between their ages will be 26 years. How old is the son now? (3mks)

b). How old will the mother be in 21 years time? (2mks)

28.A motorist travelled from Kampala to Jinja at 40km/hr. for  $2\frac{1}{2}$  hrs, he then continued to Iganga a distance of 50km for  $3\frac{1}{2}$  hrs. Later he returned to Kampala at a speed of 75km/hr. Calculate the average speed of the motorist for the whole journey. (5mks)



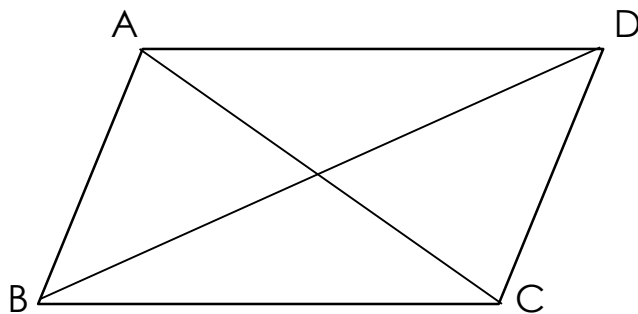
29. A truck full of sand weighs 9800kg. The empty truck alone weighs 3800kg.

a). Calculate the mass of the sand. (1mk)

b). Work out the mass of the truck when  $\frac{3}{4}$  full of sand. (2mks)

30. The sum of the three consecutive integers is 48, if the median of the integers is K. Find the integers. (5mks).

31. The figure below is a rhombus. Use it to answer the following questions.

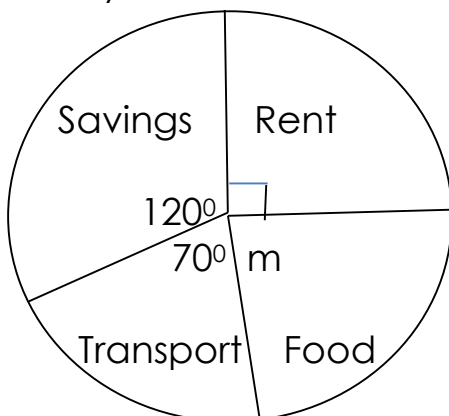


a). If diagonal AC is 12cm. Find the length of the diagonal BD. (3mks)

b). Calculate the perimeter of the rhombus (2mk)

32. The pie-chart below represents Mr. Opio's expenditure for the month of July. Use it to answer the following questions.

a). Find the value of  $m$ . (2mks)



b). If he spent Shs72,000 on rent, how much money did he earn in the month of July? (3mks)

c). How much more money did he spend on savings than transport. (2mks).

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