THE REAL PRIVATE TEACHERS' VOICE EXAMINATIONS BOARD

THE _REAL_ VERIFIED UNEB BLUE PRINT ITEMS
SUPPLEMENTARY EMMERGENCY
FOR PRIMARY LEAVING EXAMINATIONS
2023
MATHEMATICS (SET THREE)
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 2023.

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SECTION A (40 MARKS)

1. Workout **147** + **53**

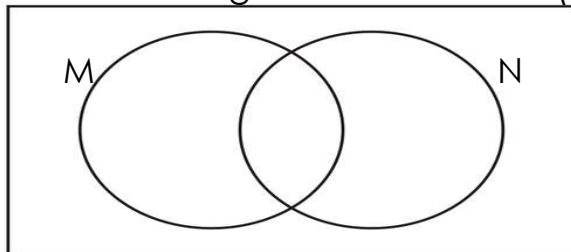2. Write **XCIV** in Hindu Arabic numerals.

3. Simplify: **9**x + **5**y – **4**x – **2**y

4. Find the sum of the value of **4** and **3** in the figure **4632**.

5. Simplify -8 - ⁻3

6. Find the next number in the sequence
   0, **2**, **10**, **17**, **18**, _____, _____

7. In the venn diagram below shade (**M**U**N**)[1]

8. The cost of a gross of pencils is Shs**72,000**. What is the cost of **8** similar pencils?

9. Workout(**0.5** x **25**) + (**0.5** x **75**) using distributive property.

10. If a dice is tossed once, what is the probability that a prime number will show up?

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11. Express 102_{three} to binary base.

12. Write **98,000** in standard form.

13. The ratio of boys to girls in a class of **126** pupils is **2:5** respectively. How many girls are in the class?

14. A fifty-minute meeting started at **8:40**a.m At what time did it end?

15. Kaparaga, a businessman in town, packed **50**kg of sugar in packets of **½**kg. Find the number of packets he got.

16. The area of the figure below is **72**cm^2 Workout the value of **y**.

y cm

2y cm

17. Prime factorize **72** and write your answer in exponent form.

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18. The L.C.M of two numbers is **36** and their G.C.F is **6**. If one of the numbers is **18**, find the second number.

19. Richard had a bundle of twenty thousand note numbered consecutively From **KY5040903** to **KY5041002**. Find the amount of money Richard had.
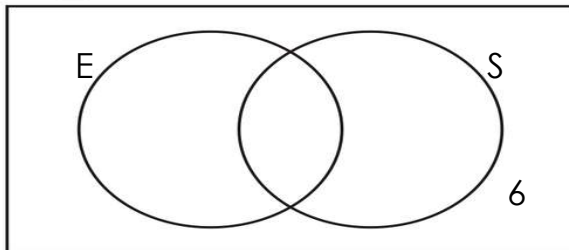
20. Given that ⬭ represents **15** eggs and a tray carries **30** eggs. Find the number of trays obtained from the eggs represented by ⬭ ⬭ ⬭ ⬭ ⬭ ⬭

SECTION B (60mks)

21. In a class of **65**pupils, **33**pupils like English (E), **42**pupils like Science (S), **15** pupils like both Science and English while **3**y pupils like Science only. **6**pupils like none of the two subjects.

a). Show the above information on a venn diagram. (2mks)

n(∑)=65

(b). How many pupils do not like English? (3mks)

22. The table below shows marks obtained by candidates in pre-mock exams.

Marks	40	55	75	60	85
No of pupils	3	4	4	2	2

a). How many candidates sat for the pre-mock exams?   (2mks)

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b). What was the mean mark? (3mks)

23a). Workout $\dfrac{0.72 \times 1.8}{0.9 \times 2.4}$ (2mks)

b). Simplify $\dfrac{4}{5} + \dfrac{1}{3} \times \dfrac{3}{5} - \dfrac{1}{4}$ of $\dfrac{2}{3}$ (3mks)

24. Alex went to the market and bought the following items:
   4_{kg} of rice at Shs**4,000** per kg
   3_{kg} of posho at Shs**3,000** per kg
   500g of onions at shs2,000per kg.
   Abunch of banana at shs **15,000.**

a). Work out his total expenditure. (3mks)

b) If he was offered a discount of **10%** ,how much did he pay? (3mks)
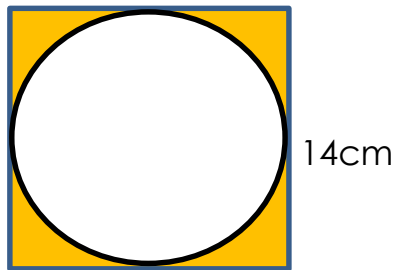
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25. The sum of three consecutive even numbers is **36.**
a) Find the numbers.   (3mks)

b). calculate their median.   (2mks)

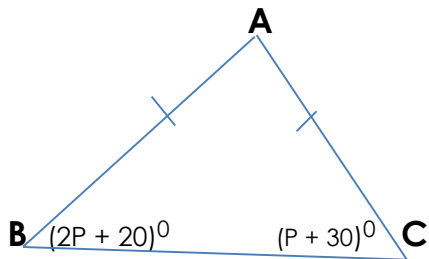26. work out the area of the shaded part in the diagram below.   (5mks)

14cm

27. Bruno drove at **75**km/hr for **two** hours from town **A** to town **B**.He then continued to Town **C** at a speed of **40**km/hr for **3**hours.calculate his average speed for the whole journey.   (5mks)

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28. A trader sells **25**bars of soap every day
a).How many bars of soap does he sell in **30**days.   (2mks)

b).How much money does he earn per month if he sells each bar at shs**8,000**.(3mks)

29.In the figure below find the size of angle **BAC.**   (5mks)

A

B $(2P + 20)^0$ $(P + 30)^0$ C

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30.Musa is **27**years older than his son now.6years ago, their total age was **45**year.
  a). How old is Musa now?   (2mks)

b. How old was his son 6years ago.   (3mks)

31a Given that c= 2 k= 3 and p=4,workout $\frac{k-c+p}{k}$ (2mks)

b) Solve the inequality 4-2y≥16.   (3mks)

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32.a) Using a ruler and a pair of compasses, construct a rhombus **ABCD** where diagonal **BD** = **8**cm and diagonal **AC** = **6**cm. (4mks)

b). Measure side **BC**. (1mk)

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