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

ENGAGE.   INSPIRE.   THRIVE.
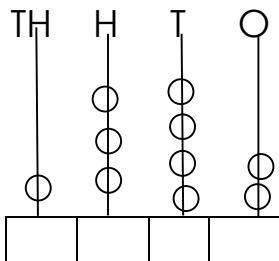
1. Workout **426 ÷ 3**

2. Simplify **7**m – **3**n – **3**m – **2**n

3. Round off **479.78** to the nearest whole number.

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

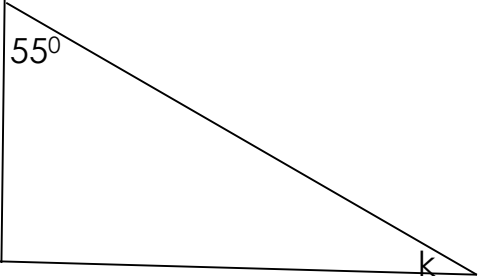5. Given that set **F** = {w, a, t, e, r}, how many proper subsets are in set **F**?

6. Write the number shown on the abacus in words.

ENGAGE.   INSPIRE .   THRIVE.

7. Find the next number in the sequence **81**, **27**, **9**, **3**, _____

8. Musoke covered **75**km in **1¹/₂**hrs. calculate his average speed.

9. Workout $111_{two} + 11_{two}$

10. Find the mean of **3**k, **13**, **5**k and **7**.

11. Simplify **¹/₂** + **¹/₄**

12. A meeting that started at **7:30**am ended at **10:00**am. How long was the meeting?

13. A trader sold a shirt at Shs**32,000** making a loss of Shs**8,000**. How much had he bought the shirt?

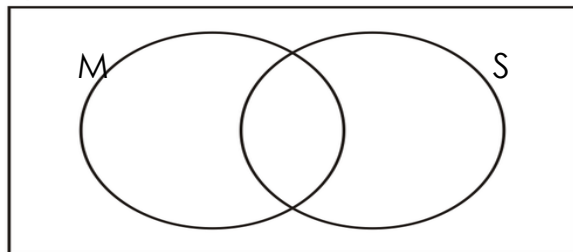**14.** If ⬜ represents **15** boxes of chalk, draw pictures to represent **60** boxes of chalk.

ENGAGE.   INSPIRE .   THRIVE.

15. Find the circumference of a circle whose radius is **14**cm.

16. Workout **1 – 4 =** _____ (finite **5**)

17. Increase **600**kg of maize in the ratio of **5:3**.

18. Four women can weed a garden in **10** days. How long will **8** women take to weed the sane garden working at the same rate?

19. Find the value of **k** in the diagram below.

20. Katongole deposited Shs**400,000** in Post Bank for **3** years. How much interest did he get after **3** years if the bank offers an interest rate of **20**% per year?

SECTION B (60mks)

21. In a certain class, **(x + 5)** pupils like Mathematics **(**M**)** only, **(2x – 4)** pupils like both Maths and Science **(x + 2)** pupils like Science only while **(x – 3)** pupils like neither Maths nor Science.

ENGAGE.   INSPIRE .   THRIVE.

a). Use the information above to complete the Venn diagram (1mk)

(b). If **18** pupils dislike science, find the value of **X**. (2mks)

M   S

c). How many pupils like Mathematics? (2mks)

---

22. a). Workout $\dfrac{2.4 \times 0.9}{0.12}$ (3mks)

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

---

23. Mr Ofono went to the market and bought the following items as shown in the table below. Complete the table. (5mks)

ITEM	QTY	UNIT COST	AMOUNT
Rice	2kg	Shs35,000 per kg	Shs_____
Sugar	$1\frac{1}{2}$kg	Shs_____ per kg	Shs6,0000
Meat	_____kg	Shs12,000 per kg	Shs36,000
Total			Shs_____

24.a) A man spends his monthly salary as follows; $\frac{1}{3}$ is spent on food, $\frac{1}{4}$ on paying rent while the rest on school fees. What fraction of his money is spent on school fees? (2mks)

ENGAGE.   INSPIRE .   THRIVE.

b). If his salary is Shs**720,000**, how much does he spend on food? (1mk)

c). How much more money does he spend on food than rent? (2mks)

25.a) If the mean of **(k + 1)**, **2k**, **(3k + 5)** and **(k – 3)** is **6**. Find the value of **k**. (3mks).

b). Find the difference between the biggest and the smallest number. (2mks).

26.a) The **LCM** of two numbers is **48**, their **GCF** is **4**. If the first number is **16**. Find the second number. (2mks)

b). Find the least number of books when shared by **8**girls or **6**boys leaves **2**books as a remainder. (2mks)
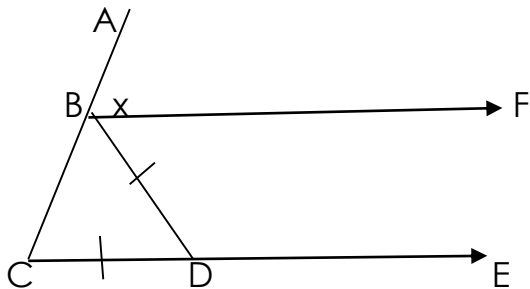
ENGAGE.   INSPIRE .   THRIVE.

27.a) A motorist left town **k** at **8:00**am and travelled to town **G** at **60**km/hr for **2$^1/_2$hrs**. He returned through the same route at **75**km/hr. Calculate the distance between town **k** and town **G**. (2mks)

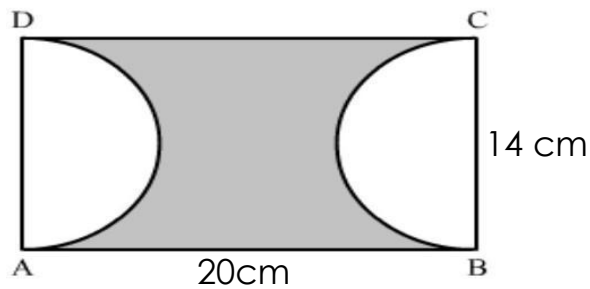b). Calculate the motorist's average speed for the whole journey. (4mks)

28. Robson, Doris and Pauline were to share Shs**360,000** Robson got **3** times as much as Pauline and Pauline got twice as much as Doris. How much money did each get. (5mks).

29. In the figure below, **ABC** and **CDE** are straight lines. Line **BD** = **CD** and angle **BDE** = **110^0**. Find the value of **x**. (4mks)

The Real Private Teachers' Voice Examinations Board 2022   Tel: 0782-927840/0704-816448/0741-126776
ENGAGE.   INSPIRE .   THRIVE.

30. Obadia is **20**years older than his son now. In **10**years time, their total age will be **70**years. How old is Obadia now? (5mks).

31. Calculate the area of the shaded part in the diagram below. (6mks).

32.a) Using a pair of compasses, a ruler and a pencil, construct a triangle **ABC** where angle **ABC** = **45**^{0}, angle **BAC** = **60**^{0} and line **AB** = **6.5**cm. Drop a perpendicular line from **C** to meet **AB** at **K**. (4mks)

b). Measure line **CK**.   (1mk)

<div align="center">

BELIEVE YOU **CAN** AND **YOU** WILL

</div>

ENGAGE.   INSPIRE.   THRIVE.