THE REPUBLIC OF UGANDA

TAAND EXAMINATIONS BOARD

CONTINUOUS ASSESSMENT EXAMINATION TERM I, 2023

PRIMARY SEVEN

MATHEMATICS

Time Allowed: 2 hours 30 minutes

Random Number						Personal Number		

Candidate's Name: .....

Candidate's Signature: .....

School Name: .....

District Name: .....

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

Read the following instructions carefully:

1. This paper is made up of **two** Sections: **A** and **B**.
2. Section **A** has **20** short-answer questions **(40 marks)** and Section **B** has **12** questions **(60 marks)**
3. **All** the working for both sections **A** and **B** must be shown in the spaces provided.
4. **All** working must be done using a blue or black ball - point pen or fountain pen. Only diagrams should be done in pencil.
5. No calculators are allowed in the examination room.
6. Unnecessary alteration of work may lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks.
8. Do not fill anything in the boxes indicated **"For examiners' use only"**

FOR EXAMINER'S USE ONLY		
Qn. No.	Marks	Exrs' No.
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26		
27 - 28		
29 - 30		
31 - 32		
TOTAL		

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SECTION A: (40 ...

Answer all questions in section A. Each ques...

1. Work out: 743 + 126.

2. Write 49,312 in words.

3. Work out the perimeter of a square whose side is 9cm.

4. Simplify: $\frac{2}{5} + \frac{1}{4}$

5. Find the L.C.M of 18 and 15.

6. The cost of 8 books is shs.6400. How much does each book cost?

7. Work out:
$$\begin{array}{r} 1\ 1\ 1_{two} \\ +\ 1\ 0\ 1_{two} \\ \hline \\ \hline \end{array}$$

8. Write CDLXIX in Hindu Arabic numerals.

9. What is $\frac{2}{5}$ of 45?

10. Round off 99.999 to the nearest hundredths.

11. Given that P = { a, b, c, d }
Find the number of proper subsets in set P.

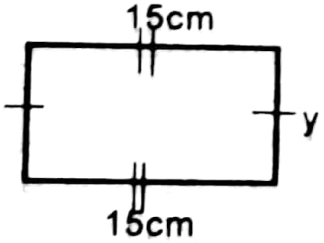
12. Write 20,419 in expanded form using values.

13. Describe the shaded part.

14. Convert 43_{ten} to binary base.

15. Solve for y: $3y - 5^0 = 20$.

16. The area of the figure below is $60cm^2$. Find the value of y.

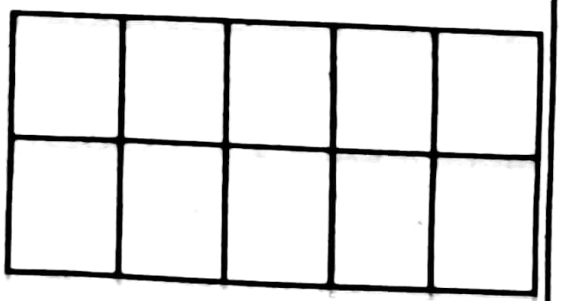


17. Find the value of 6 in 2634

18. Given that $y = \{2_1, 2_2, 3_1, 3_2\}$. Find the value of y.

19. Find the sum of the next two numbers in the sequence below.
2, 3, 5, 7, _____, _____.

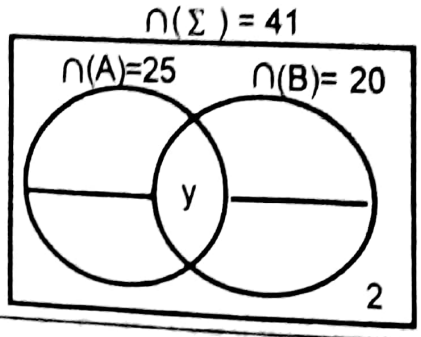
20. Shade $\frac{2}{5}$ of the diagram below.



SECTION B: (60 Marks)

Marks for each question are indicated in the brackets.

21. Study the venn diagram below and answer the questions that follow.



(b) Complete the venn diagram. *(2marks)*

(b) Find the value of y. *(2marks)*

22. The sum of 3 consecutive even numbers is 72. Find the numbers. *(5marks)*

23. (a) Add:

Hr	Min
2	40
+ 1	30

(2marks)

(b) A car travelled at a speed of 80km/hr for 3hours. What distance did it cover? *(2marks)*

24 At Lira P/s, two bells are used to change lessons. One rings after every 20 minutes and the other after every 30 minutes. If they rang together at 8 00am.

(a) After how long will the two bells ring together again? (3marks)

(b) At what time will the two bells ring together again? (2marks)

25 Ogwang went to Soroti city market and bought the following items
- 2kg of sugar at sh 3000 each.
- 3kg of rice at sh 3000 each.
- 500g of salt at sh 1200 each kg.
- $\frac{1}{2}$ kg of meat at 9000 per kg.

(a) Find Ogwang's expenditure. (4marks)

(b) If Ogwang went with sh 50,000. Find the change he took home. (2marks)

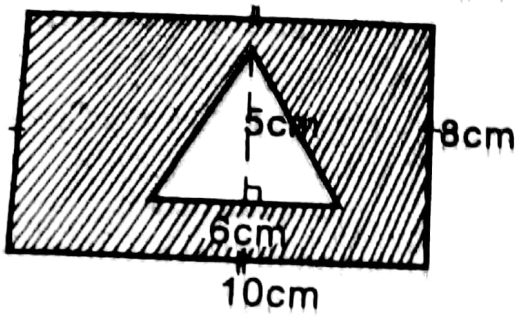
26 Edward is thrice as old as Katongole. If their total age is 40 years

(a) How old is Katongole? (2marks)

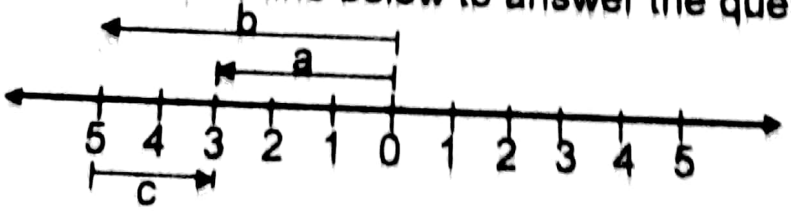
(b) How old is Edward? (2marks)

(c) How old was Katongole 6 years ago? (2marks)

27. Study the diagram below and calculate the area of the shaded part. (5marks)



28. Use the number line below to answer the questions that follow.



(a) Identify the integers marked; (1mk each)

(i) a = _____ (ii) b = _____

iii) c = _____

) Write a mathematical sentence for the above integers. (2marks)

29. (a) Using a ruler, pair of compasses and a pencil, construct a triagle ABC with line AB = 6cm, angle BAC = 60^0 and line AC = 4cm. ***(4marks)***

(b) Measure line BC ***(1mark)***

30. (a) Find the product of 425 and 24. ***(2marks)***

(b) Divide 2727 by 3. ***(2marks)***

(c) Simplify: $18 - (2 \times 6) \div 3$ ***(2marks)***

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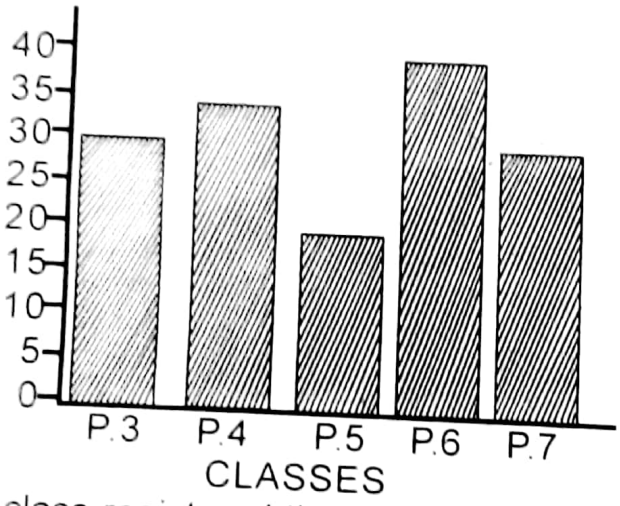
31. (a) Find the square of 16. **(2marks)**

(b) Calculate the square root of 81. **(2marks)**

32. The graph below shows the number of pupils who registered in middle and upper primary classes in Kagadi P/s. Study it and answer the questions about it.



(a) Which class registered the least number of pupils? **(1mark)**

(b) How many more pupils were registered in P.4 than P.5? **(1mark)**

(c) Which two classes registered the same number of pupils? **(1mark)**

(d) Find the average number of pupils who registered in a class. **(2marks)**