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.....

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

Read the following instructions carefully:

1. Do not write your school or district name anywhere on this paper.
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		

Turn Over

SECTION A: (40 Marks)

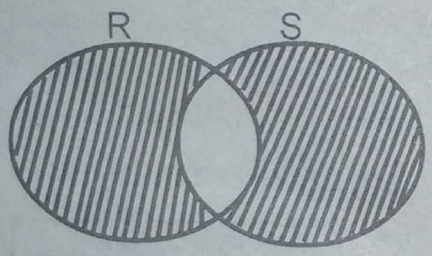
Answer all questions in section A and each number carries 2 marks.

1. Add: 57 + 12.

2. Write 39 in Roman numerals.

3. Write "Eighty thousand one" in figures.

4. Describe the shaded area in the venn diagram below.



5. Simplify: 8m + 4n - 3m + 2n.

6. Find the GCF of 18 and 24.

7. Workout: $\frac{2}{3} \times 1\frac{1}{2}$

8. An examination of mathematics which takes $2\frac{1}{2}$ hrs, started at 9:45am. At what time did it end?

9. Becky bought 1500 grammes of sugar from a shop. How much sugar did she buy in Kilogrammes?

10. Using a ruler and a pair of compasses only, construct an angle of 45^0 in the space below.

11. Find the sum of the next two numbers in the sequence below.
25, 27, 26, 28, 27, _____, _____.

12. Simplify: $^{-}9 - {}^{-}5$

13. Round off 0.625 to the nearest whole number.

14. Find the average of 0, 2 and 4.

15. Add: $1001_{two} + 11_{two}$.

16. If 6 books cost sh.18,000, what is the cost of $\frac{3}{4}$ of a dozen of the same books?

17. Add: 2 + 5 = _____ (finite 7)

18. The radius of a circle is 8cm. Find the diameter.

19. Write down the number which has been expanded below
$(6 \times 10^3) + (5 \times 10^0)$

20. Solve: $3x - 8 = x$.

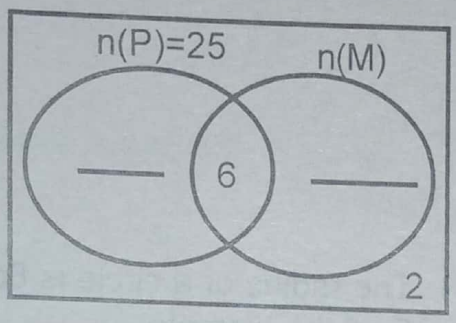
SECTION B: (60 Marks)

Answer ALL questions in this Section.

Marks for each question are indicated in the brackets.

21. At a party, 25 guests took Pepsi (P), 6 guests took both Pepsi and Mirinda (M), 9 guests took Mirinda (M) only, while 2 guests took neither of the two drinks.

(a) Using the above information, complete the venn diagram below. ***(2marks)***



(b) How many guests took only one type of soda. ***(2marks)***

(c) What is the probability that the guest of honour took neither of the two drinks. ***(2marks)***

22. (a) Find the value of 8 in the figure 94681. ***(1mark)***

(b) Expand numeral above using values. ***(2marks)***

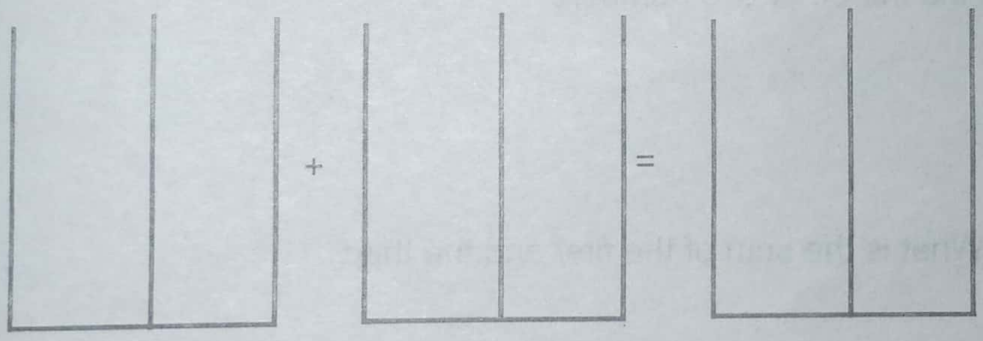
(c) Convert to decimal 1101_{two}. ***(2marks)***

23. Mr. Oculi went to a shop and bought the following items.

(a) Complete the table of his shopping bill below. *(5marks)*

Item	Quantity	unit cost	Amount
Meat	_____kg	sh.6000	sh.18,000
Sugar	2kgs	sh. _____	sh.10,000
C/oil	_____Litres	sh.4200	sh.12,600
Onions	7 bundles	sh._____	sh._____
Total			sh.63,000/=

24.(a) Show 432 + 324 on the abacus below. *(3marks)*

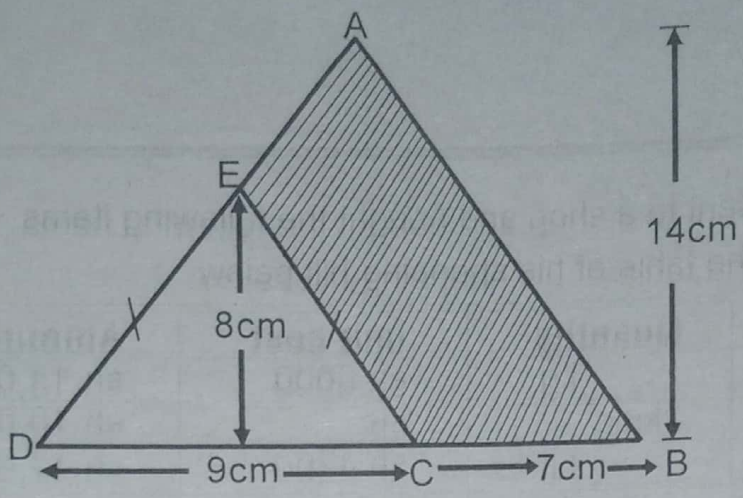


(b) Work out: 3 - 7 + 13 *(2marks)*

25.(a) Simplify: $\frac{0.24 \times 0.3}{0.8}$ *(3marks)*

(b) Write as a decimal $\frac{1}{4}$ *(2marks)*

26.



Study the diagram above and answer questions that follow.

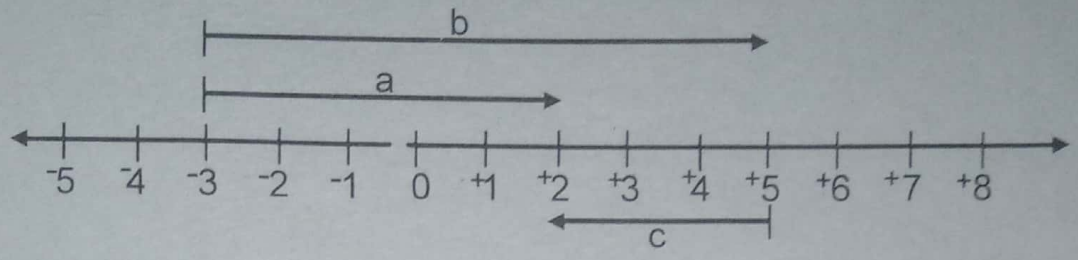
(a) Find the area of the shaded part. *(4marks)*

27.(a) The sum of 3 consecutive even numbers is 36. If the middle number is 12. Find the other two numbers. *(2marks)*

(b) What is the sum of the first and the third? *(2marks)*

(c) Find the LCM of the largest and the smallest number. *(2marks)*

28. Study the number line below and answer questions that follow.



(a) Name the integers represented by letters below. *(3marks)*

(i) a _____

(ii) b _____

(iii) c _____

(b) Write down a mathematical statement represented by letters in the number line above. *(2marks)*

29.(a) Using a ruler and a pair of compasses only. Construct a triangle JKL where JK = 6cm, JL = KL = 4cm. *(4marks)*

(b) Measure angle JKL *(1mark)*

30.(a) Simon walked from home to school a distance of 10km at a speed of 5km/hr. How long did he take walking to school? *(2marks)*

(b) Change 9 hours to minutes. *(2marks)*

31. The frequency table below shows scores got by a group of pupils in a class. Study it and answer questions that follow.

Number of pupils	2	1	4	3
Marks scored	80	90	70	60

(a) How many pupils are in the class? *(2marks)*

(b) Find the median mark. *(1mark)*

(c) Calculate the mean. *(3marks)*

32. Given that M=4, n=3 and k=2. Find the value of

(a) n + k *(2marks)*

(b) m + k - n *(2marks)*

END