THE REPUBLIC OF UGANDA

TAAND EXAMINATIONS BOARD

CONTINUOUS ASSESSMENT EXAMINATION TERM II, 2023

PRIMARY SIX

MATHEMATICS

Time Allowed: 2 hours 30 minutes

Name: .....

Signature: .....

School: .....

District: .....

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

Read the following instructions carefully:

1. This paper has **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. Diagrams should be done in pencil.
5. No calculators are allowed in the examination room.
6. Unnecessary changes 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 shaded boxes labelled "For Examiners Use Only".

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

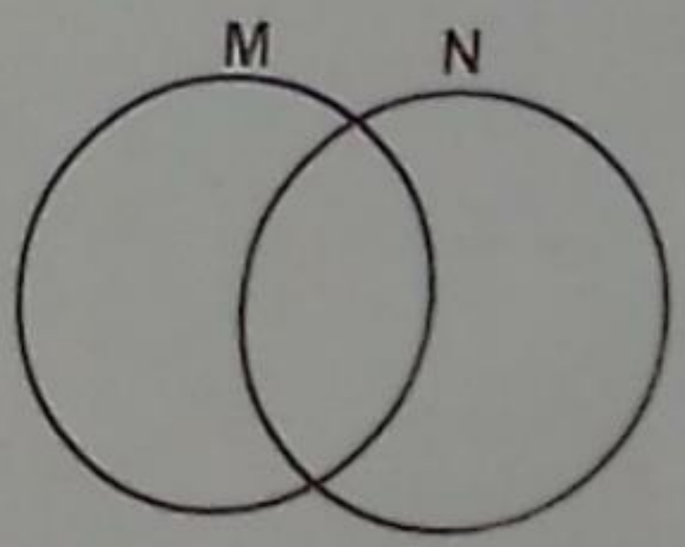
SECTION A: (40 Marks)

Answer all questions in section A and each number carries 2 mar

1. Work out
$$\begin{array}{r} 729 \\ -214 \\ \hline \end{array}$$

2. Solve $r + 7 = 9$

3. Shade M^{I}



4. Convert LIX in Hindu Arabic numerals.

5. Find the place value of 7 in 25.378.

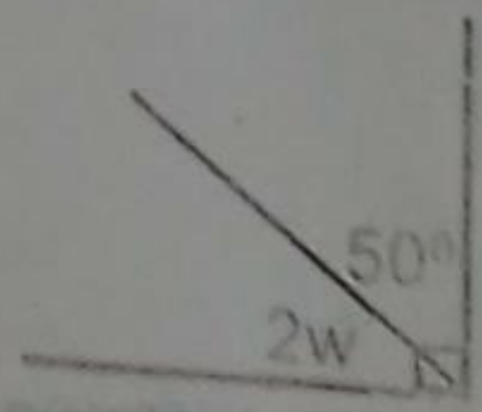
6. Use a pair of compasses and a ruler only to construct 60^{0}.

7. Express $3\frac{1}{2}$ kg to grammes.

8. Given that each  represents 8 trees, draw picture of trees to represent 48 trees.

9. What is the sum of $\frac{2}{5}$ and $\frac{1}{2}$?

10. Work out the value of w in degrees



11. Calculate the next number in the sequence:
3, 5, 8, 12, 17, _____

12. Show 25 minutes to 3 O'clock on the clock face below.

13. Change 413_{five} to base ten.

14. Find the least number that can be divided by 4 and 6 to leave 1 as the remainder.

15. Masavu bought a shirt at sh. 8,500. He sold it at sh. 10,000. Calculate her profit.

16. What is the median of
3, 9, 6, 4 and 5

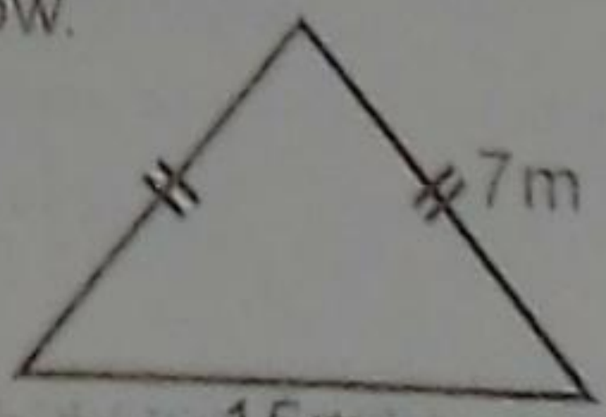
17. A motor-cyclist travels at speed of 85 km/hr. What distance does she cover in 4 hours?

18. Use >, = or < to complete

2×5 _____ 5^2

19. Gidudu paid sh.14400 to buy 9 rulers. Find the cost of each ruler.

20. Find the distance round the shape below.



SECTION B: (60 Marks)

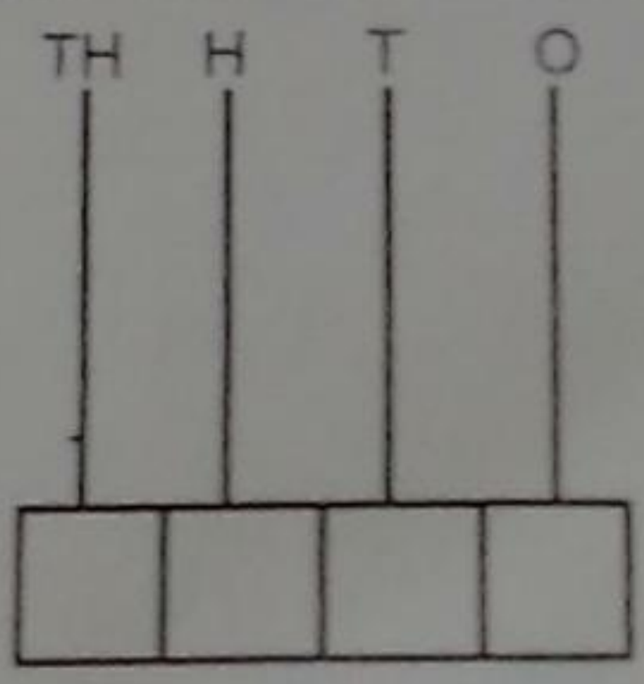
Answer ALL questions in this Section.

Marks for each question are indicated in the brackets.

21. (a) Express 70770 in words. *(1mark)*

(b) Expand 3942 using values. *(1mark)*

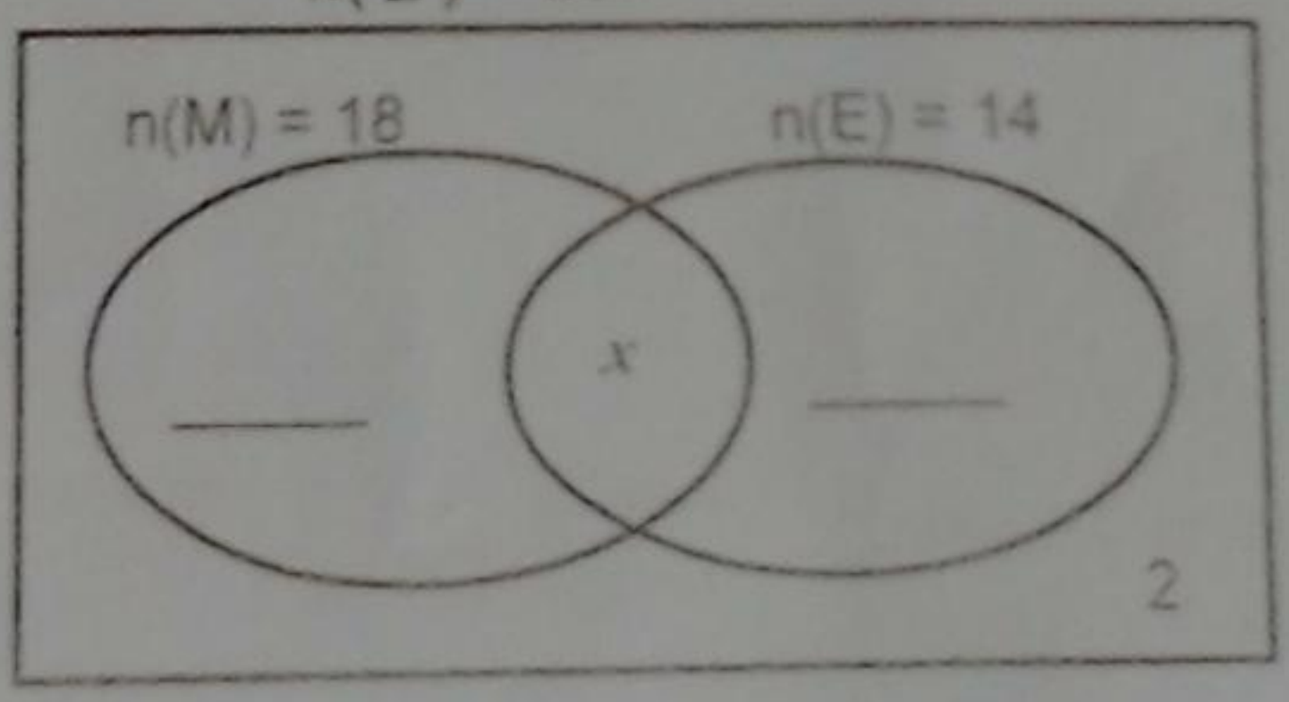
(c) Show 4625 on the abacus. *(2marks)*



22. **In a class of 30 students, 18 like Math (M), 14 like English (E), x like both and 2 like neither.**

(a) Complete the Venn diagram. *(2marks)*

$n(\Sigma) = 30$



(b) How many students like both subjects? *(3marks)*

23. (a) Prime factorize 100 using s scripts.

(2marks)

(b) Calculate the square root of 100.

(2marks)

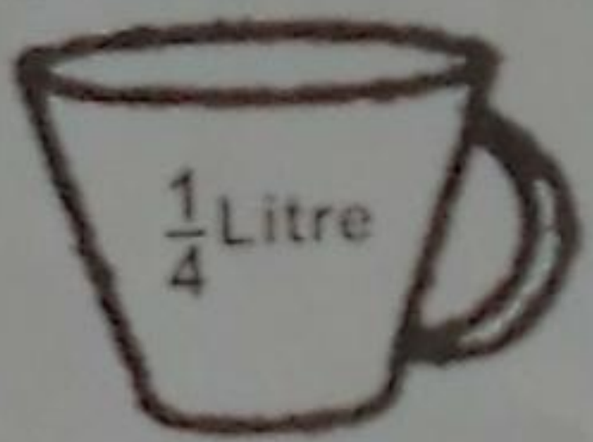
24. (a) Work out: $4 - 10 \div 8$

(2marks)

(b) Simplify: $18 \div 3 \div 5 \times 2$

(3marks)

25. Below is a quarter litre cup used to sell milk.



(a) How many millilitres does it make?

(2marks)

(b) How many such cups can be got from a ten litre jerican? (3marks)

26. A girl bought the following items from a market.
- 2kg of rice at sh 4000 per kg
- 5 litres of milk at sh 2000 per litre
- $1\frac{1}{2}$ kg of sugar at sh 4200 per kg

(a) Calculate her total expenditure. *(4marks)*

(b) If she had a note of 50,000 shillings, calculate her change. *(2marks)*

27. (a) Tom began washing clothes at 9:35am. He took 1hr 20min. At what time did he complete the washing? *(2marks)*

(b) From town A to town B is 40km. Town B to town C is 32km. If a tourist took 2 hours from town A to town C, calculate the average speed. *(3marks)*

28. On a farm, there are 84 animals. $\frac{5}{7}$ of them are cattle and the rest are goats.

(a) Find the fraction of goats. *(2mark*

(b) How many more cattle than goats are on the farm? (3marks)

29.(a) Use a pair of compasses, a ruler and a sharp pencil to construct a hexagon whose sides are 3cm. (3marks)

(b) What is its perimeter (2marks)

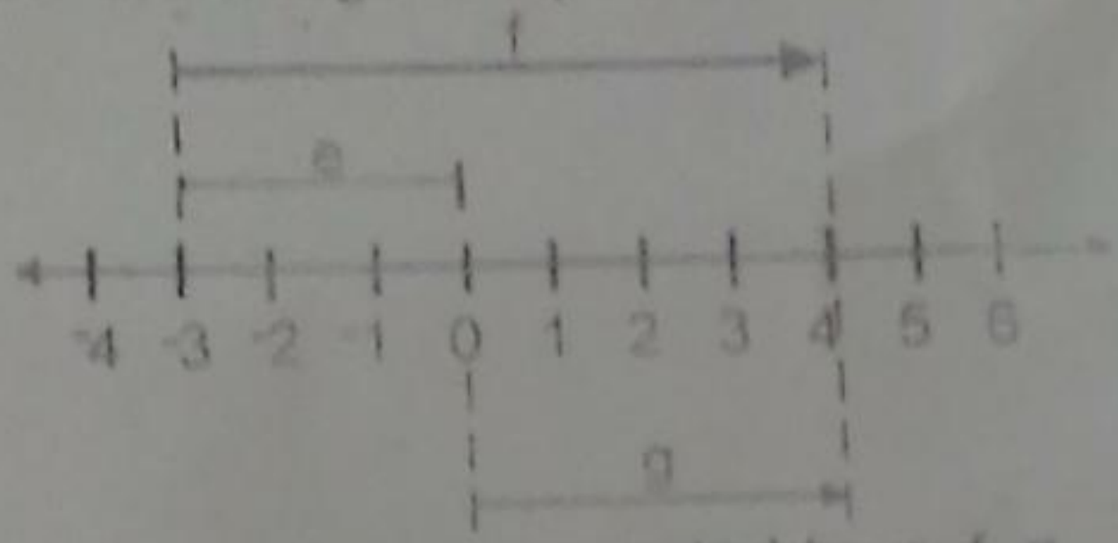
30. The table shows marks obtained by Patel in end of term one exams.

Subject	ENG	SCI	MTC	SST
Marks	74%	65%	86%	55%

(a) Find the range (2marks)

(b) Find his mean mark (3marks)

31. Below are Integers represented on number line



(a) Write the Integers represented by e, f, g *(1mark each)*

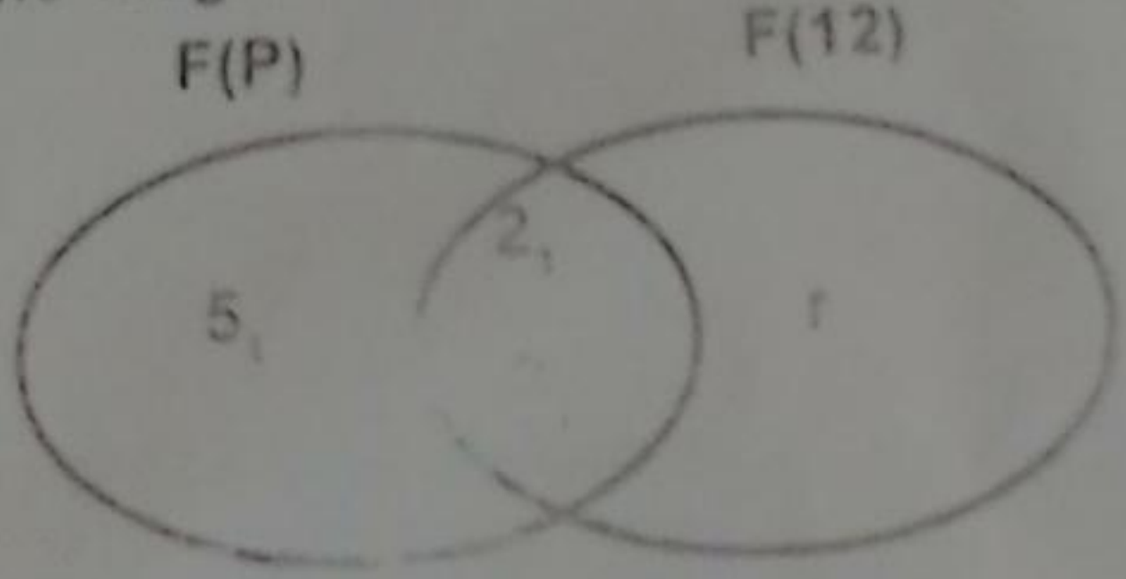
(i) e = _____

(ii) f = _____

(iii) g = _____

(b) Write the mathematical sentence represented. *(2marks)*

32. The diagram below shows prime factors on Venn diagram.



(a) Find the value of f. *(2marks)*

(b) What is the value of P. *(2marks)*

(c) Find the HCF of P and 12 *(1mark)*

(d) Find the LCM of P and 12 *(1mark)*