

RAISE UP A CHILD SCHOOLS EXAMINATIONS BOARD
MATHEMATICS MID TERM I – 2023

PRIMARY SIX

Name: _____

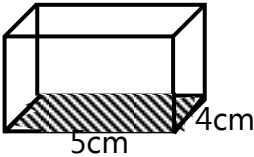
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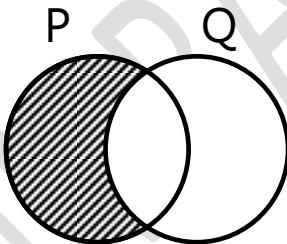
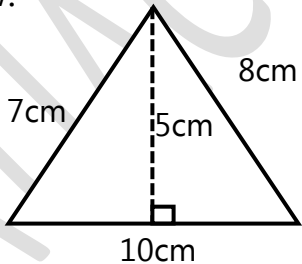
INSTRUCTIONS:

- 1. Attempt all questions.**
- 2. Any drawing must be done in pencil.**
- 3. Use a very good handwriting.**
- 4. No calculators are allowed in the examination room.**

DURATION: 2 hours 30 minutes

SECTION A (40 marks)

1	Work out: $49 + 1$	2	Write 14 in Roman numerals.
3	Find the value of Y in $2y + 2 = 14$	4	Write forty-six in digit form.
5	Work out: $\frac{2}{5}$ plus $\frac{3}{5}$	6	Find the area of the shaded part. 

7	Subtract: 12 five from 32 five	8	What is the place value of the underlined digit in 4 <u>5</u> 3?
9	Work out $+4 + -6$ using numberline.	10	Describe the shaded region below. 
11	Add: $1 + \frac{2}{5} + \frac{1}{5}$	12.	How many hours are in 240 minutes?
13.	Workout the area of the triangle below. 	14.	Using a pair of compasses, a ruler and a pencil only, construct the angle of 60° .

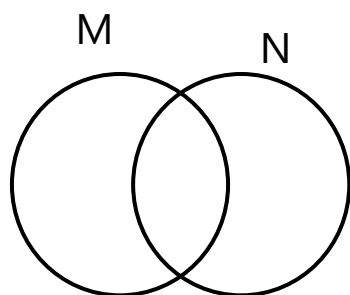
15.	What number has been expanded to give; $(6 \times 1000) + (2 \times 10) + (4 \times 1)$.	16.	2 books cost sh.9, 000. Find the cost of 3 similar books.
17.	A taxi carries 14 passengers in one route. How many passengers will it carry when it makes 4 routes?	18.	Find the speed needed to cover a distance of 120km in just 2 hours?
19.	Draw tally marks that represent 17.	20.	Work out; kilograms grams <div style="text-align: right;"> 4 700 + 1 800 <hr/> <hr/> </div>

SECTION B (60 marks)

21. Given that set $N = \{ 0, 1, 2, 3, 4, 5 \}$ and set M is a set of all odd numbers less than 9.

a) List down all the elements of set **M**. *(2 marks)*

b) Represent the above data on the Venn diagram below. *(3 marks)*



22. Given the numeral **6048**;

a) Represent the above numeral on the abacus.

(2marks).

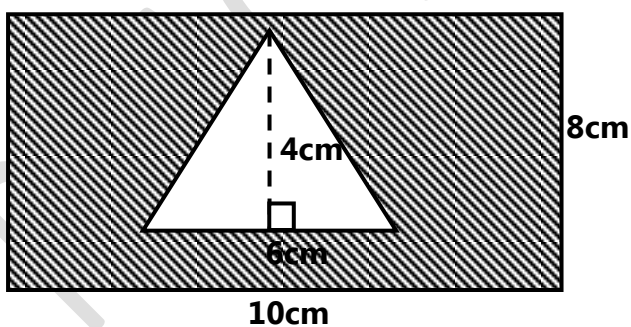
b) Find the sum of the value of **6** and the value of **4** in the numeral? (3marks)

23. a) Change 121_{five} to decimal base.

(2marks)

b) Add: 312_{five} (2marks)
 $+ 22_{\text{five}}$ _____

24. Study the figure below and answer the questions.



a) Find the area of the inner part. (2marks)

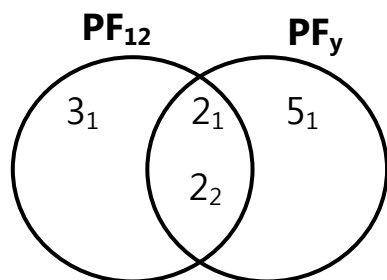
b) Work out the area of outer part. **(2marks)**

c) Work out the area of unshaded part. **(2marks)**

25. a) Use a pair of compasses, a ruler and a pencil to construct an equivalent triangle in a circle of radius of 5cm. **(4 marks)**

b) Measure the size of each angle on the triangle constructed above. **(1 mark)**

26. Below is a Venn diagram, use it to answer the questions that follow.



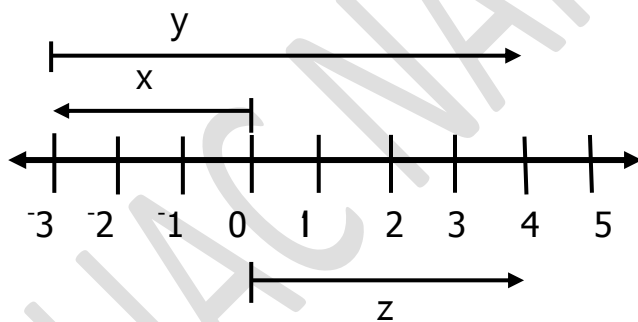
a) Find the value of **Y**.

(2marks)

b) Workout the **G.C.F** of **12** and **Y**.

(2marks)

27. Study the number line below to answer the questions that follow.



a) Write the value of; (1mark each)

i) $x =$

ii) $y =$

iii) $z =$

b) Write down the mathematical statement of the above numberline.
(2marks)

28. a) Solve for y: $\frac{y}{4} = 6$

(2 marks)

b) A pen costs twice as much as a book. If they both cost sh. 2400, how much is the cost of a book?

(3marks)

29. a) An examination started at 3:00p.m.and ended at 5:30p.m. , how long did it take?**(2marks)**

b) A minibus from Masaka to Kampala moved at a speed of 90km/h for 4 hours. What distance did it cover in km? **(2marks)**

30. Use the figure below to answer the questions that follow.

7	a	5
d	4	b
c	8	1

a) Find the magic sum. **(1 mark)**

b) Find the value of; **(1 mark each)**

i) a

ii) b

iii) c

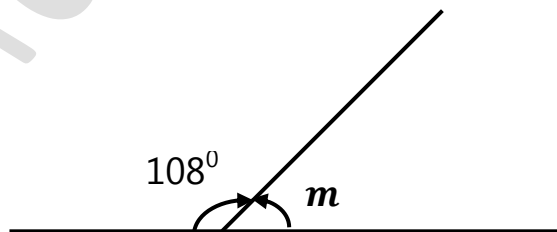
iv) d



31. a) Find the complement of 25° **(2 marks)**

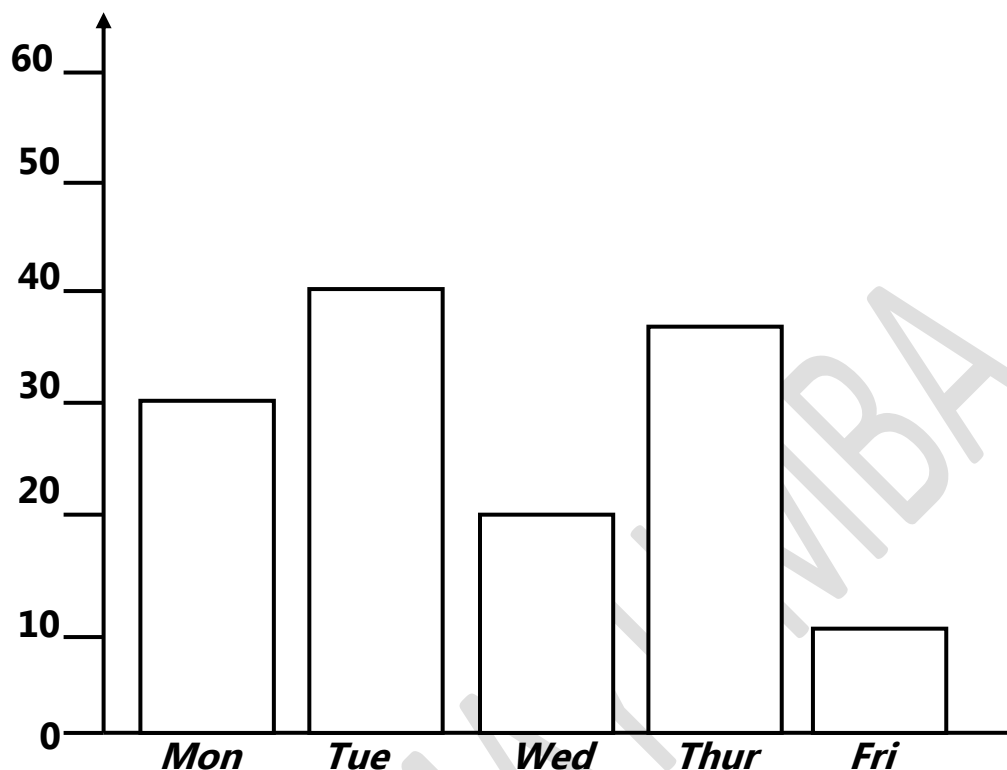
b) Find the value of the angle marked m .

(2 marks)



32. The bar graph below shows the number of pupils who were absent in

Primary Six class during a certain week.



a) On which day was the least number of absentees recorded? *(1 mark)*

b) If 120 pupils are in Primary Six, how many pupils were present on Wednesday? *(2marks)*

c) Find the average absentees during the week. *(3 marks)*

END