

OASIS EDUCATIONAL SERVICES - KAMPALA

PRE-REG **SET 4** EXAMINATIONS 2024

PRIMARY SEVEN MATHEMATICS

Time allowed 2 hours 30 minutes

Name: _____

School: _____

District: _____

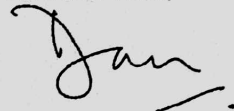
**READ THE FOLLOWING INSTRUCTIONS
CAREFULLY.**

1. The paper is made up of two Sections A and B.
2. Section A has 20 questions (40marks).
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 spaces provided in BLUE or BLACK ink.
6. Only diagrams should be drawn in pencil.
7. Unnecessary crossing will lead to loss of marks.
8. Poor handwriting, which cannot be easily read, may lead to loss of marks.

FOR EXAMINER'S USE ONLY

Qn No.	MARKS	EXAMINER'S NO.
1-5		
6-10		
11-15		
16-20		
21-25		
26-30		
31-32		
TOTAL		

APPROVED:



Technical Director
Mathematics Department
Oasis Educational Services

OASIS EDUCATIONAL SERVICES

Kampala

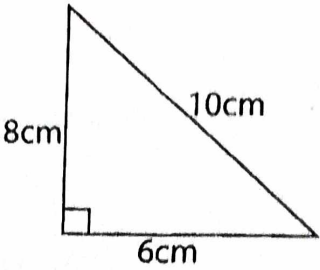
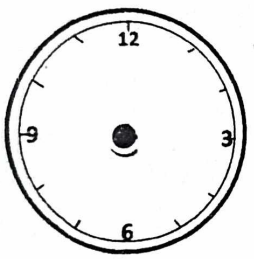

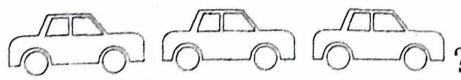
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SECTION A (40 MARKS)

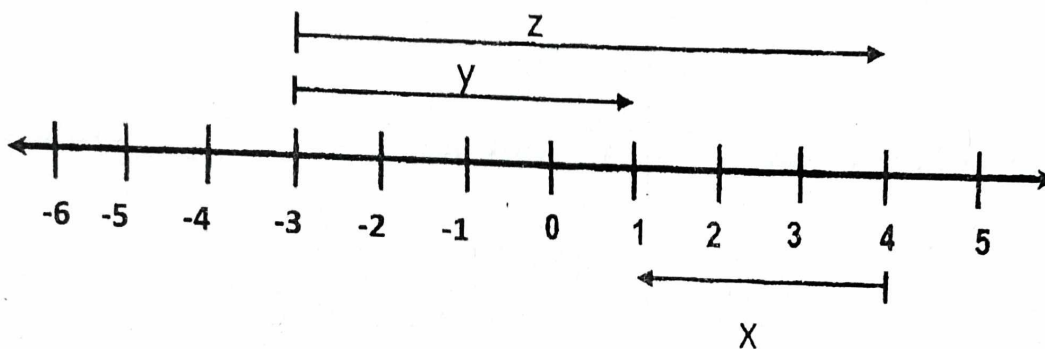
1.	Work out: $\begin{array}{r} 3 \quad 3 \\ \times \quad 3 \\ \hline \end{array}$	2.	Write "twelve thousand one hundred twelve" in digit form.
3.	Express LVI as a Hindu Arabic numeral.	4.	Find the next number in the sequence. 1, 4, 9, 16, _____
5.	Use repeated addition to work out; 3×4 .	6.	Set $X = \{a, n\}$, List down all proper subsets of set X.
7.	Expand 8475 using powers of base 10.	8.	If $t = r = 4$. Find the value of tr .
9.	Alinda covered a distance of 120km at a steady speed of 40km per every hour. Find the time taken to cover the same distance.	10.	Round off 234 to the nearest tens.

11.	If $PF_X = \{2_1, 2_2, 3_1\}$. Find the value of X.	12.	Find the total distance around the figure below. 
13.	Show 1600 hours on the clock face below. 	14.	Work out: $3 + 4 =$ _____ (finite 5)
15.	Work out: $\begin{array}{r} 1101_{\text{two}} \\ + 110_{\text{two}} \\ \hline \end{array}$	16.	25 boys were in the line set for running competition and Amal was in the middle from either side. Write his ordinal position in the line.
17.	If  represents 6 cars, how many cars are represented by  ?	18.	Find the range of 6, -2, 5, 0 and -5

19.	Ruth rolled a dice once, what is the probability of getting an even number appearing on top?	20.	Jesca had 12 apples, she gave away $\frac{2}{3}$ of them to her friend Juma. How many apples did she give to her friend Juma?
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SECTION B (60 MARKS)

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



a) Find the value of.

i) $X =$

ii) $Y =$

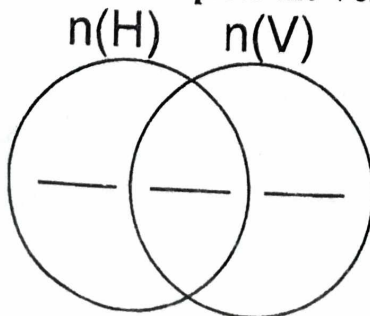
iii) $z =$

(3marks)

b) Write the Mathematical statement to describe the above expression. (2 marks)

22. In a class, 44 pupils like Hockey (H), 32 like Volley ball (V) and 8 like both games.

a) Use the above data to complete the Venn-diagram below. (3marks)

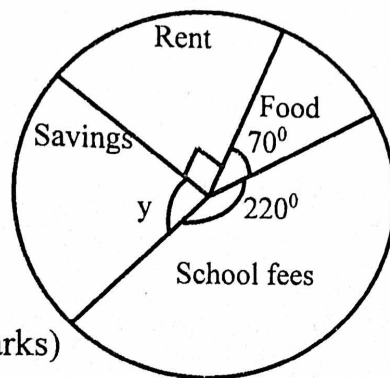


b) How many pupils are in the class? (2marks)

23. a) Express 0.125 as a vulgar fraction to its simplest form. (2marks)

b) Write $(5 \times 10^0) + (4 \times 10^2) + (2 \times 10^{-2}) + (5 \times 10^{-1})$ as a single number. (3marks)

24. The circle graph below shows how Mr. Mukasa spends his monthly salary worth sh.360, 000. Use it to answer the questions that follow.



a) Find the value of y . (2marks)

b) How much does he spend on school fees? (2marks)

c) How much more does he spend on rent than food? (2 marks)

25. The sum of 3-consecutive numbers is given by $n + (n + 2) + (n + 4)$.

a) Find the value of n if their sum is 81. (4marks)

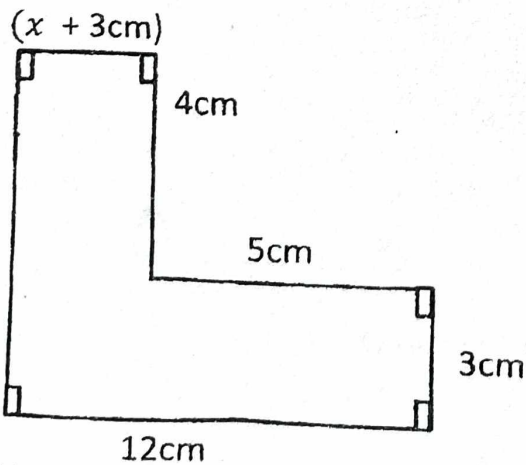
b) Name the type of numbers listed above. (1mark)

26. Using a pair of compasses, a ruler and pencil only.

(a) Construct a triangle PEN such that $\angle PEN = \angle PNE = \angle EPN = 60^\circ$ and $PE = 6\text{cm}$

(b) Show the lines of folding symmetry on the triangle PEN constructed above. (1mark)

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



(a) Find the value of X. (2marks)

(b) Work out its area. (3marks)

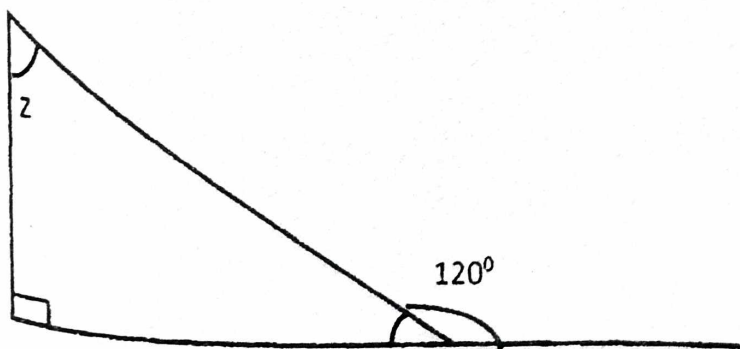
28. Adam harvests 12 boxes of apples using 2 workers per box on a daily basis. Each box contains 48 apples.

(a) How many apples does he harvest a day? (2marks)

(b) If he sells each box at shs.30,000 and pays each worker shs.3000. How much money does he earn a day after selling all the apples he harvests a day? (2marks)

29. (a) Find the supplementary angle of 70° . (2marks)

(b) Find the size of the angle marked Z. (3marks)



30. Complete the multiplication table of base five below. (5marks)

X	1	2	3
3	_____	10	_____
4	4	_____	22
2	2	_____	_____

31. (a) Solve for t ; $2t + 5 = 13$ (2marks)

(b) Mr. Asimwe is three times as old as his son. If their total age is 48 years. How old is his son? (3marks)

32. Complete the bill table below correctly.

Item	Quantity	Unit Cost	Amount
Sugar	2kg	Shs.3600	_____
Rice	_____	Shs.2000	Shs.4000
Meat	1 ½ kg	_____	Shs.15000
Beans	3kg	_____	Shs.6000
Total			Shs. _____

END