



THE DESTINY ACADEMIC RESEARCHERS CONSULTANCY- KAMPALA

CONTINUOUS ASSESSMENT PLE PRE-REGISTRATION SERIES 2025 MATHEMATICS

Time allowed: 2hours 15minutes

Random No.						Personal No.		
Index No.								

Candidate's name:

Candidate's signature:

School Random number:

District No.

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Read the following instructions carefully:

1. Do not write your **school** or **district name** anywhere on this paper.
2. This paper has two sections: **A** and **B**. Section **A** has **20** questions and section **B** has **12** questions. The paper has **10 printed pages** altogether.
3. Answer **all** questions. **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 ink. Any work done in pencil other than graphs and diagrams will **NOT** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot easily be read may lead to loss of marks.
6. Do not fill any thing in the table indicated:
"For examiners' use only" and the boxes inside the question paper.

FOR EXAMINER'S USE ONLY		
Qn. No.	MARKS	EXR'S 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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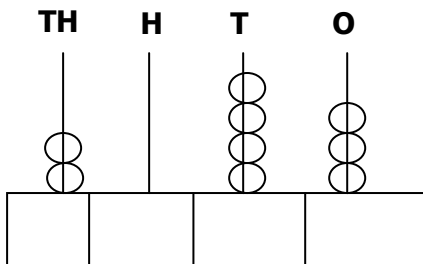
SECTION A: 40 MARKS

Answer all questions in this section.

Questions **1** to **20** carry two marks each.

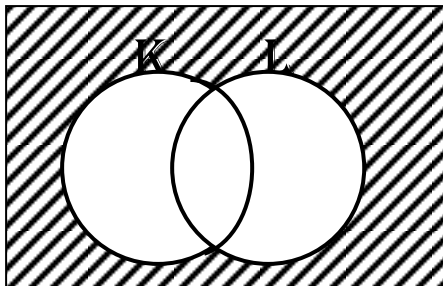
1. Add: $324 + 53$

2. Write the number shown on the abacus below in words.



3. Find the next number in the sequence: 3, 5, 8, 13, 20, _____

4. Describe the un-shaded region on the Venn diagram below.



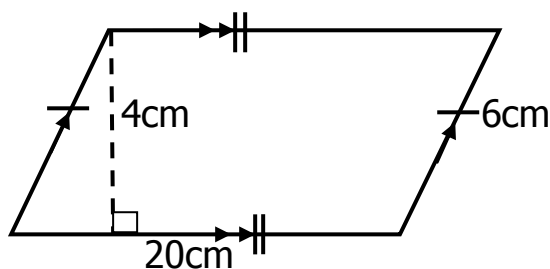
5. Express 10:50a.m in a 24-hour clock system.

6. Given that the cost of one dozen of books is sh.108,000. Find the cost of 4 similar books.

7. Round off 29.987 to the nearest tenths.

8. The temperature on a mountain peak was -23°C at night, if it rose by 8°C at mid-day. Calculate the current temperature.

9. Calculate the area of the figure below.



10. Write the expanded number below in short.

$$(2 \times 4^2) + (3 \times 4^0) + (1 \times 4^1)$$

11. The area of a square field is 144m^2 . Find the length of each side.

12. A businessman borrowed sh.800,000 from ABSA Bank that offers an interest rate of 5% p.a. How much interest does she return to the Bank after 3month?

13. Work out: $(5 \times 28) + (72 \times 5)$ using distributive property.

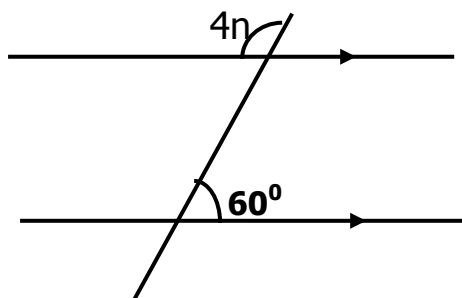
14. Using a ruler, a pencil and a pair of compasses only, construct an angle of 135°

15. Simplify: $2p + 4q - p - 6q$

16. Given that set P has 31 proper subsets, find $n(P)$.

17. A dice is tossed once, what is the probability that a square number shows up?

18. Find the value of n .



19. A girl scored the following marks in a series of tests; 20, 30, 80, 40, 70 and 60. Find her median mark.

20. Given that $x = 2$ and $y = 3$. Find the value of $3y - 2x$

SECTION B: 60 MARKS.

Answer all questions in this section.

Marks for each question are indicated in brackets.

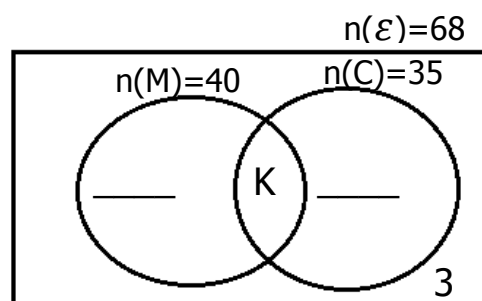
21. a) Solve for n : $2^{2n} \div 16 = 1$ (3 marks)

b) Given that: $304_m = 124_{six}$. Find the unknown base m . (3marks)

22. In a class of 68 pupils, 40 like Mirinda (M), 35 pupils like Cocacola (C), K like both Mirinda and Cocacola while 3 pupils like none of the two soda brands.

a) Use the information given above to complete the Venn diagram below

(2marks)



b) How many pupils drink both Mirinda and Cocacola?

(2marks)

c) What is the chance of picking a pupil who likes only one drink?

(01 mark)

23. The sum of four consecutive odd numbers is 80. If the largest number is P. find the numbers. (4 marks)

24. a) Complete the frequency table below. (1mark each)

Marks	Tally	Total mark
80	///	
60		120
	////	200
90		90

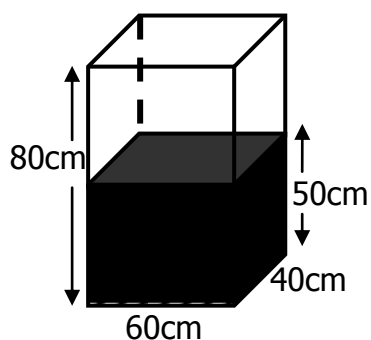
b) Calculate the average mark. **(2marks)**

25. Jack, Martha and Ben shared a certain amount of money in the ratio 2: 3: 5 respectively. If Martha received sh.36.000.

a) Find their total share. **(3marks)**

b) How much less did Jack receive than Ben? **(2marks)**

26. Below is a rectangular tank containing some water.



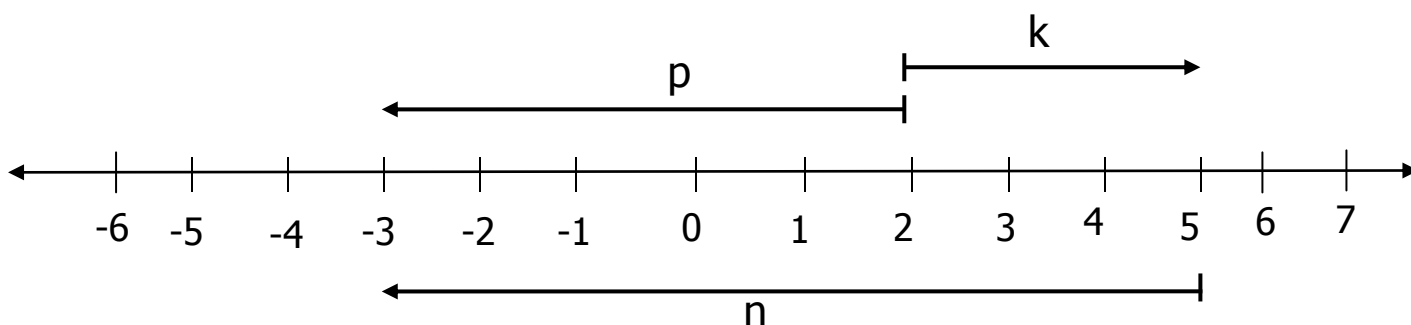
a) How much water is in the tank?

(2marks)

b) How many litres are needed to fill the tank

(3marks)

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



a) Write the integers represented by arrows marked n , p and k .

i. $n =$

ii. $p =$

iii. $k =$

b) State the mathematical statement illustrated on the number line above.

(2marks)

28. a) Using a ruler, a pencil and a pair of compasses only, construct triangle **MAN**, where **MA** = 6cm, angle **MAN** = 90° and angle **NMA** = 30° .

(4marks)

- b) Measure angle **MNA**.

(02 marks)

29. At Stanhope forex bureau, the exchange rates are as follows;

£1 = Ugsh. 4200

US\$1 = Ugsh. 4000

Ksh1 = Ugsh. 35

- a) A trader had £85 . How much money will he get in Uganda shillings after exchange?

(2marks)

- b) The cost of a phone in Kenya is Ksh.24,000. What is the cost of the same phone in United States dollar?

(3mark)

30. A pen costs twice as much as a pencil. If their total cost is sh.2400.

a) Find the cost of a pencil. **(2marks)**

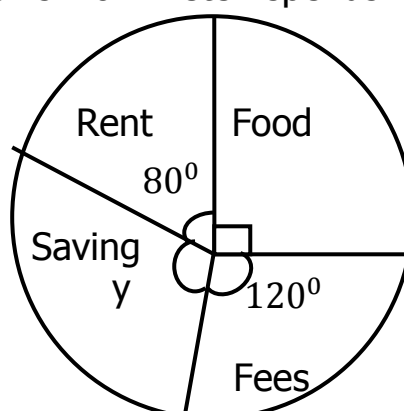
b) What is the cost of 5 similar pens? **(2marks)**

31. A motorist left town **A** and reached town **B** after $2\frac{1}{2}$ hours at an average speed of 60km/hr, rested at **B** for 30minutes and later continued to town **C** at an average speed of 80km/hr for 2hours.

a) How far is town **C** from town **A**? **(3marks)**

b) Calculate the average speed for the whole journey. **(2marks)**

32. The pie chart below shows how Peter spends his monthly income of sh.180,000.



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

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

c) What percentage is spent on food? **(01mark)**

END