



ASK KAMPALA TEACHERS EXAMINATION BEREAU LIMITED

PRE PRIMARY LEAVING EXAMINATIONS

SET II 2025

MATHEMATICS

Time allowed: 2 hours 30 minutes

Random No.						Personal No.		

Candidate's name:

Candidate's signature:

District ID No:

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Read the following instructions carefully:

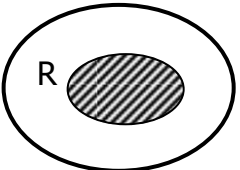
1. Do not write your **school** or **district name** anywhere on this paper.
2. This paper has two sections: **A** and **B**.
Section **A** has **20** questions and section **B** has **12** questions. Answer **all** questions. **All** answers to both sections **A** and **B** must be written in the spaces provided.
3. All answers must be written using a **blue** or **black** ball point pen or ink. Any work written in pencil other than drawing will **not** be marked.
4. Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss** of marks.
5. No calculators are allowed in the examination room
5. Do not fill anything in the table indicated

FOR EXAMINER'S USE ONLY		
Qn. No.	MARKS	EXR'S NO.
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 25		
26 - 28		
29 - 32		
TOTAL		

" **FOR EXAMINERS' USE ONLY**" and in the boxes inside the question paper.

SECTION A:40 MARKS**Questions 1 to 20 carry two marks each**

1.	Use repeated addition to work out 3×6	2.	Write 36500 in scientific notation.
3.	Work out: $2 - 3 = \underline{\hspace{2cm}}$ (mod 5)	4.	Find the next number in the sequence below. 1, 3, 6, 11, 18, <u> </u> , <u> </u>
5.	The complementary angle of $(2x-20)^\circ$ is 40° . Find the value of x.	6.	If $m = 4$, $n = -3$ and $k = 6$. Find the value of $m^2 + n^2$.
7.	Work out: $-4 - +5$	8.	Using a ruler and a pair of compasses only, construct an angle of 30° .

9.	Work out: $123_{\text{five}} + 134_{\text{five}}$	10.	Describe the unshaded part in the Venn diagram below. 
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11.	Find the square root of 144.	12.	Increase sh.3000 by 20%
13.	Find the median of 24, 16, 25, 33, 20 and 15.	14.	Work out the circumference of a circle whose diameter is 14cm. (use π as $\frac{22}{7}$)

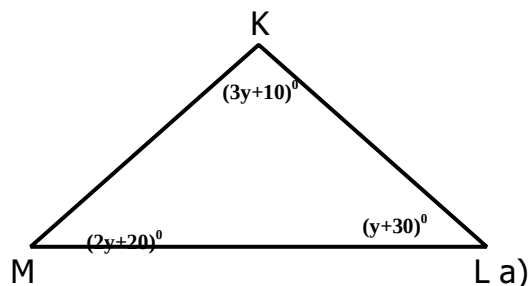
15.	There are 16 subsets in set Q. How many elements are in set Q?	16.	Calculate the GCF of 6 and 9.
17.	Work out: $\frac{3}{4} \div \frac{1}{4}$	18.	Write XLIV in Hindu Arabic numerals.
19.	Solve: $3k - 6 = 3$	20.	Express 5400m^2 as hectares.

SECTION B: (60 MARKS)

21. In a class of 50 pupils, 20 like Mathematics(M) only, 15 like English(E) only, K like both subjects while 5 pupils do not like any of the two subjects.
a) Draw a Venn diagram and represent the above information. (3mks)

- b) Find the number of pupils who like Mathematics. (2mks)

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

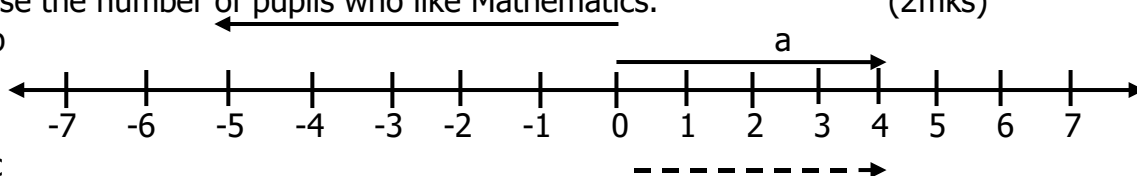


Find the value of y . (3mks)

- b) Work out the size of angle KLM.
(2mks)

23. Use the number of pupils who like Mathematics. (2mks)

b



C

- a) Write the integer represented by the arrow on the number line above. (1mk@)

i) $a =$ _____ ii) b

$$= \text{_____ iii) c}$$
$$=$$

- b) Write down the mathematical statement shown on the number line above. (1mk)

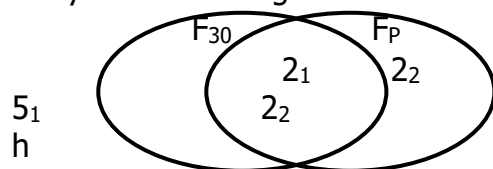
24. The table below shows the marks scored by some pupils in the Mathematics test. Use it to answer the questions that follow.

Marks	80	70	60	90
Number of pupils				

	a) How many pupils did the test?	(2mks)
	b) Work out the range.	(2mks)
	c) Calculate the mean mark.	(2mks)
25.	The sum of 3 consecutive even numbers is 66. If the first number is p , find the product of the largest and the smallest numbers. (4mks)	

26. In a village of 3000 people, 40% of them are males and the rest are females.
- a) Find the percentage of females in the village. (2mks)
- b) If $\frac{1}{6}$ of the males are boys, how many boys are there in the village? (2mks)
- c) How many more females than the males are in the village? (2mks)

27. Study the Venn diagram below and use it to answer the questions that follow.



a) Find the value of h (2mks)

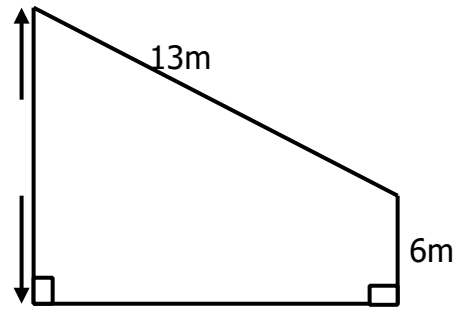
b) Work out the value of P . (2mks)

c) Calculate the LCM of P and 18. (2mks)

29. Two men were reporting to the police station at the intervals of 12 days and 18 days respectively.
a) After how long will they take to report to the police station together on the same day? (2mks)

- b) If they reported together on Friday, when will they report together again for the second time? (2mks)

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



11m

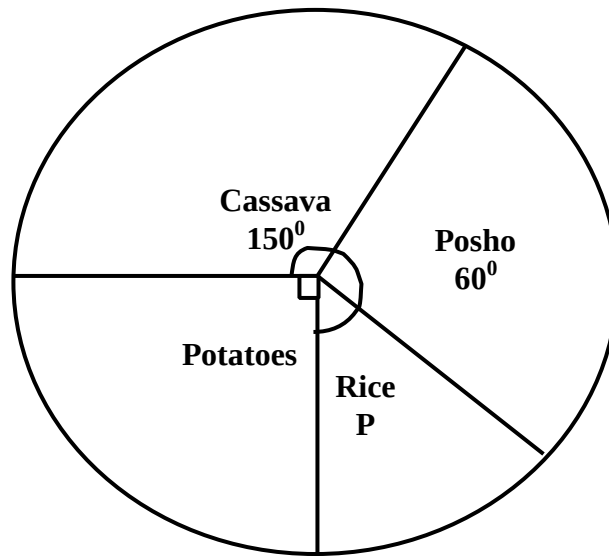
12m

- a) Work out the total distance round the figure above. (3mks)

- b) Calculate its area. (3mks)

31. A motorist left town A at an average speed of 80km/hr for 1 ½ hours to town B.
- a) Find the distance he covered from town A to town B. (2mks)
- b) If he returned to town A from town B at a speed of 60km/hr, how long did he take on his journey? (2mks)

32. The pie – chart below shows the type of food liked by pupils in Owokowoko primary school. Study it carefully and answer the questions that follow.



- a) Work out the value of p in degrees. (2mks)
- b) If there are 840 pupils in the school, how many more pupils like cassava than potatoes? (3mks)

