NANSANA MUNICIPAL COUNCIL
PRIMARY LEAVING MOCK EXAMINATION 2025
MATHEMATICS
Time Allowed: 2 hours minutes

Random No.						**Personal No.**		

Candidate's Name: ....

Candidate's Signature: ....

District ID No. | | | | |

Read the following instruction 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 **15 printed pages**.

3. Answer **all** the questions. **All** the working for both sections **A** and **B** must be shown in the spaces provided.

4. **All** the working **must** be done using a **blue** or **black** ball point pen or ink. Any work done in pencil will **not** be marked.

5. **No calculators** are allowed in the examination room.

6. Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss of marks**.

7. Do not fill anything in the table indicated: **"FOR EXAMINERS' USE ONLY"** and boxes inside the question paper.

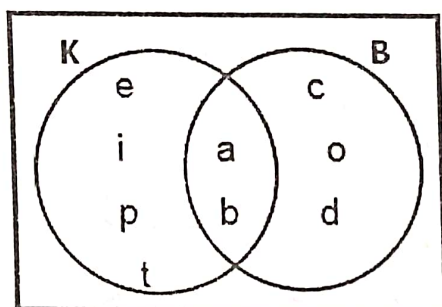| QN.NO.	MARKS	EXR'S NO.
FOR EXAMINERS' USE ONLY		
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26		
27 - 28		
29 - 30		
31 - 32		
TOTAL		

Turn Over

© MOCK 2025 Nansana Municipal Council

SECTION A: 40 MARKS

1. Work out 301 − 32.

2. Express XCIV in words.

3. Given that a = 5 and b = 3a. Find the value of 3b − 20.

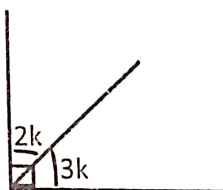4. Use the venn diagram below to find n(KnB)$'$

5. Find the next two numbers in the sequence below.
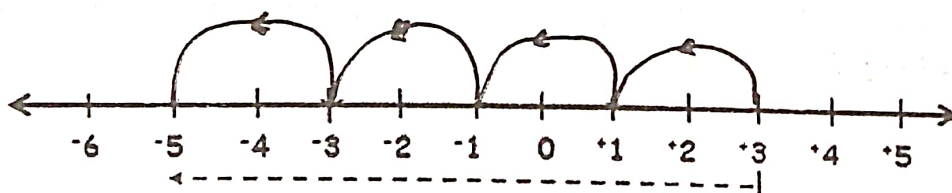
   1, 3, 6, 10, 15, _____, _____

6. Using a pair of compasses, ruler and pencil only, construct an angle of 135° in the space below.

7. Calculate the value of K in degrees in the figure below.

8. Solve for P: 3p − 4 = p + 10

9. Write the mathematical statement represented on the number line below.

10. A primary seven pupil tallied the number of pick-ups along Mubende-Mityana road on a certain day as follows.

|||| |||| |||| |||| |||| |||| |||| |||| |||| |||| ||

How many pick-ups did the pupil count?

11. The average of 3, 4, -5, 0 and x + 2 is 2. **Find the value of x.**

12. The ratio of goats to cows on Among's farm is 3:5 respectively. If the Lowest Common number of animals on the farm is 60. Find the number of cows on the farm.
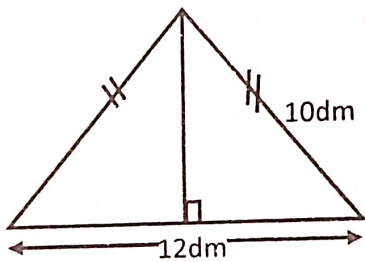
13. Add: Weeks   Days

            5   3

      + 2   6
      ————————

      ————————

14. Given that 1 USD costs Ug Sh. 3,650. How many US dollars Niringiye get if he had Ug Sh. 14,600?

15. Express 4.05×10^3 as an ordinary number.

16. Calculate the perpendicular height of the figure.
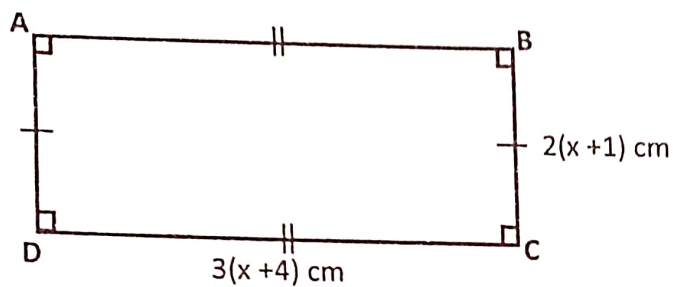

17. Simplify: $1\frac{1}{4} - \frac{3}{5} + \frac{1}{3}$

18. Increase sh. 800,000 by 20%

19. Write 213_{five} in expanded form using values of the base.

20. Correct off 39.986 to two decimal places.

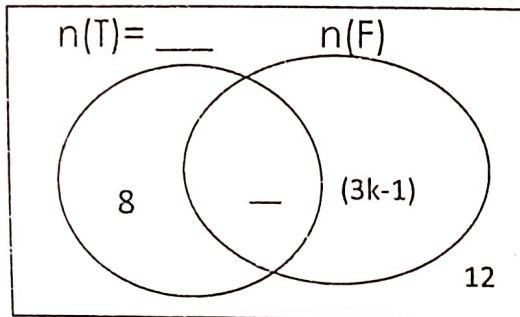21. Study the figure below and answer the questions that follow.

If the perimeter of the figure ABCD is 48cm, find the area of the figure. (4marks)

22. In a certain team, 8 participated in Track events (T) only. (K+2) participated in both Track and Field events while (3k-1) participated in Field events (F) only. The number of those who did not participate in any of the two events was 12.

(a) Complete the venn diagram below using the above information. (2marks)

$n(\varepsilon) =$

$n(T) =$ ___ $n(F)$

8 — (3k-1)

12

(b) Find the value of k if 17 participated in field events. (2marks)

(c) How many participants were in the team altogether? (2marks)

23. (a) Express 1101_{two} in decimal base. (2marks)

(a) Work out $1111_{two} \times 10_{two}$ (2marks)

24. The table below shows Marks scored by 10 pupils of Mushumba Primary School in their trial Mocks Examination. Use it to answer the questions that follow.

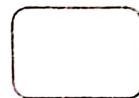| Marks	70	90	80
No. of pupils	3	M	5

(a) Find the value of M   (2marks)

(b) Calculate the average mark scored.   (3marks)

25. Nathan had some money, he lost $\frac{1}{2}$ of it and gave $\frac{1}{2}$ of the remainder to Ekabu.

(a) Work out the total fraction of the money removed from Nathan   (3marks)

(b) What fraction of the money was Nathan left with?   (2marks)

26. A classroom floor measuring 54metres by 15 by 9 metres was renovated with square tiles measuring 30cm to cover the floor.

(a) How many tiles were used?   (5marks)

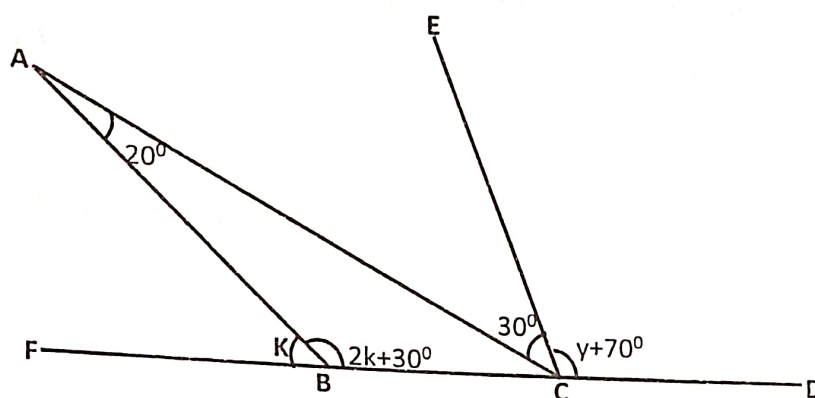27. (a) The sum of 3 consecutive odd numbers is 45. Find the numbers if the first number is (k + 1).   (3marks)

(b)Work out the range of the numbers.   (2marks)

28. Study the diagram below and answer the questions that follow.

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

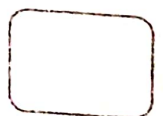(b)Calculate the value of Y.   (3marks)

29. A train can travel 50% faster than a car. Both start from point A at the same time and reach point B, 75km away from A at the same time. On the way, however, the train lost about 25minutes while stopping at the stations. Find the speed of the car.

(5marks)

30. John is twice as old as Peter. If the product of their ages is 162years.
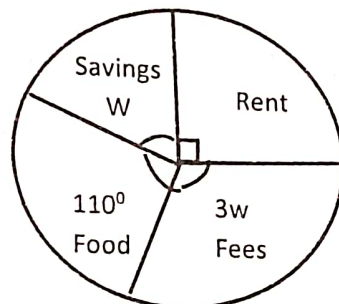
(a) How old is Peter?

(4marks)

(b) How old will John be in 6 years' time?

(1mark)

31. (a) Using a ruler and a pair of compasses only, construct a triangle RST where $\overline{RS}$ = 7cm, angle SRT = 30⁰ and angle RST = 120⁰. Draw a perpendicular from T to meet line RS at X. (5marks)

(b) Measure $\overline{TX}$.
(1mark)

32. The pie chart below shows how a man spent his monthly salary of sh.900,000.

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

(b) How much money altogether does he spend on food and fees? (3marks)

END