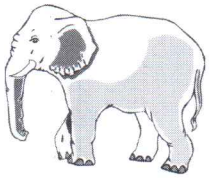


OMORO DISTRICT ACADEMIC COMMITTEE

PRIMARY SEVEN MOCK ASSESSMENT 2025

MATHEMATICS

TIME ALLOWED 2 HOURS 30 MINUTES

EMIS NO.◦						PERSONAL		

CANDIDATE'S NAME:.....

CANDIDATE'S SIGNATURE: .....

DISTRICT:.....

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO

Read the following instructions carefully

1. This paper has two sections A and B.
2. All the working for both sections A and B must be shown in the spaces provided.
3. All working must be done using a blue or black ball-point pen or fountain pen. Diagrams should be drawn in pencil.
4. No calculators are allowed in the examination room.
5. Unnecessary changes of work may lead to loss of marks.
6. Any handwriting that cannot be easily read may lead to loss of marks.
7. Do not fill any thing in the boxes indicated: "For Examiners" Use only and those inside the question paper.

FOR EXAMINER'S USE ONLY		
QN NO.	MARKS	EXR'S NO.
01-05		
06-10		
11-15		
16-20		
21-22		
23-24		
25-26		
27-28		
29-30		
31-32		
TOTAL		

SECTION A

1. **Subtract:** 5 8 3
   - 7 6
   _____

   _____

2. Find the GCF of 27 and 36

3. Find the number whose standard form is written below 2.078×10^3.

4. Study and identify the missing proper subsets in the list below
   {b}, {a, b}, {a}, {a ,c } , {c},
   _____, _____

5. **Work out:** $\frac{4}{27} \div \frac{12}{9}$

6. Express 5m/s as Km/h

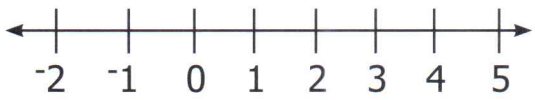
7. The table below shows the marks obtained by P.4 pupils in a Mathematical test.

Marks	20%	40%	90%	60%
Number of publis	2	3	1	4

   Calculate the mean mark of pupils who scored above 50 marks.

8. Solve the inequality below:
   $-2k + 4 > 8$

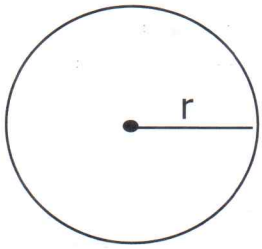
9. Use the numberline below to workout $^{+}3 - {}^{+}5$



10. Use a pair of compasses, a ruler and a sharp pencil only to construct an angle of 105^0 in the space below.

11. A trader went to the market and bought 25kg of posho at sh. 72,000, paid sh. 1,000 to a porter for loading and sh. 2,000 for transport
Calculate the total cost of the item.

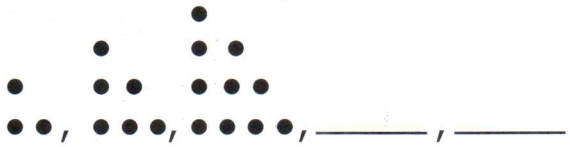
12. The figure below is a circle whose area is $616cm^2$.
Find the value of r. (Use $\pi = \frac{22}{7}$)



13. **Simplify:** 2(e+3) - 3(2e - 1)

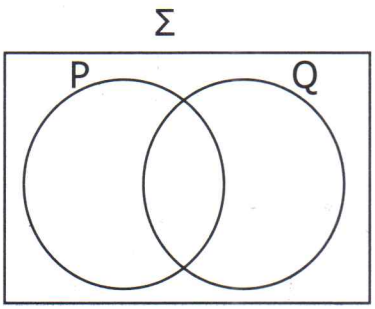
14. A trader bought an article at sh. 2500 and later sold it at sh. 2000.
Calculate the percentage loss.

15. Study the pattern below and draw the next two pattern.

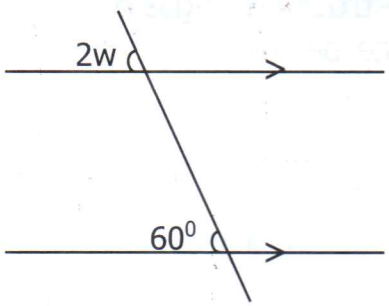


19. Use the digit **2, 0** and **8** to form the smallest and the largest three digit numerals.

16. In the figure below, shade the complement of set Q.



20. Use the diagram below to find the value of **W**.



17. **Work out:**

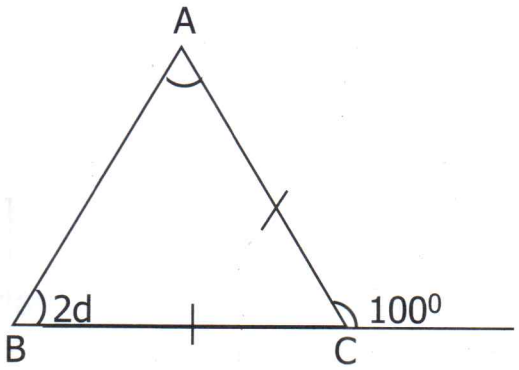
	Hr	Min
	7	15
-	5	46

18. Given that  represent **15** cups, draw pictures to represent **75** cups.

SECTION B (60 MARKS)

21. Solve for y : $\frac{7y}{4} - 2 = 12$ (5mks)

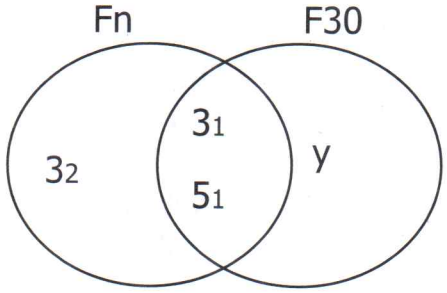
22. Study the figure below and use it to answer the questions that follow



a) Find the value of d. (3mks)

b) Calculate the size of angle ACB. (2mks)

23. The venn diagram below shows the prime factors of n and 30. Use it to answer the questions.



a) Find the value of n. (2mks)

b) Workout the value of y. (3mks)

24. The area of a rectangular play ground is $28cm^2$ and its width is 4cm. Calculate its perimeter. (5mks)

25. In Pukony village, there are 900 people to be registered for National Identify Card Each day, a total of 25 people must be registered. There are 5 officials at the registration centre.

a) How many days will the registration take? (2mks)

b) How many people will each official register per day? (2mks)

26. A farmer deposited same money in a SACCO which offers an interests of 8% per year.
If the farmer got an amount of sh. 464,000 in 2 years.

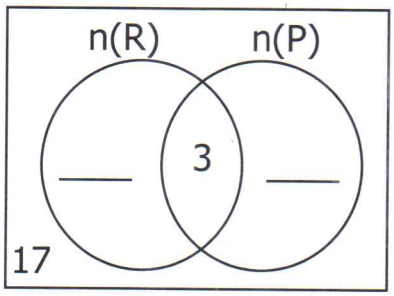
a) How much did he deposit in the SACCO? (4mks)

26b) Calculate the simple interest the farmer got after the 2 years. (2mks)

27. At a graduation ceremony, half of the total number of people ate Rice (R), 6 people ate posho (P) only, 17 people ate neither of the two food and 3 people ate both.

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

$n(\Sigma) = x$



b) Find the total number of people who attended the graduation ceremony. (4mks)

28a) Change 00 59 Hours in to 12 hour clock system. (2mks)

b) A motorcyclist travelled from town **K** to town **M** at a speed of 20km/hr for 2 hours and 15 minutes. Calculate the distance he covered. (2mks)

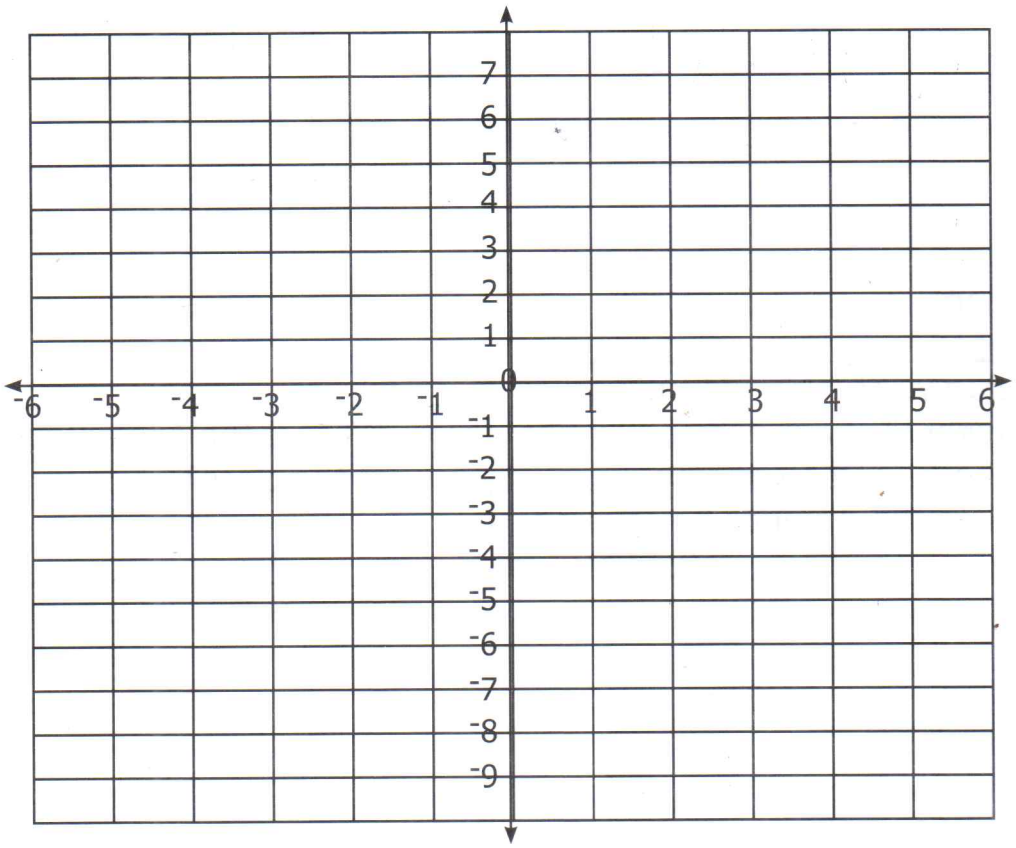
29. A trader bought 12 items at sh. 5000 each. He sold and made a profit of 20%.
How much did he sell each item? (5mks)

30. In a class, there are 20% girls than boys.
a) Find the percentage of boys in the class. (3mks)

b) What is the percentage of girls in the class? (2mks)

31. Solve for the value of P.
$\frac{2p}{3} + 3 = 2 \pmod 5$ (4mks)

32. Plot the following points on the grid below.
A(0, 5), B(-3, 3), c(3, 3), D(0, -8) (4mks)



b) Join A to B, B to D, D to C and C to A. (1 mark)

c) Name the geometrical shape formed after joining. (01 mark)

WISHING YOU LUCK IN YOUR MOCK EXAMS