KIBUKU DISTRICT EXAMINATION BOARD
MOCK EXAMINATIONS 2024
PRIMARY SEVEN MATHEMATICS

TIME ALLOWED: 2HOURS 30 MINUTES.

EMIS NO.	
INDEX NO.	

NAME: _____

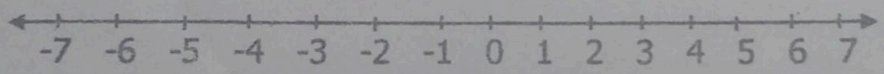
SCHOOL: _____

Read the following instructions carefully;

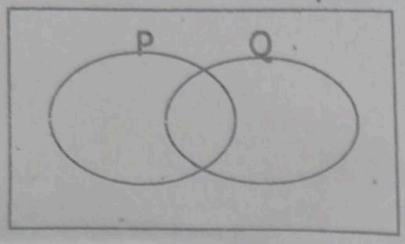
1. The paper has two sections **A** and **B**
2. Answer all questions. **All** answers to both sections **A** and **B** must be written in the space provided.
3. **All** answers must be written using a blue or black ball-point pen or ink. Diagrams should be drawn in pencil.
4. No calculations are allowed in the examination room.
5. Unnecessary changes of work may lead to loss of marks.
6. Any handwriting that cannot easily be read may lead to loss of marks.
7. Do **not** fill anything in the boxes indicated **"For examiners' use only"** and those inside the question paper.

FOR EXAMINER'S USE ONLY		
QN NO.	**MARK**	**SIGN**
1-5		
6-10		
11-15		
16-20		
21-22		
23-24		
25-26		
27-28		
29-30		
31-32		
TOTAL		

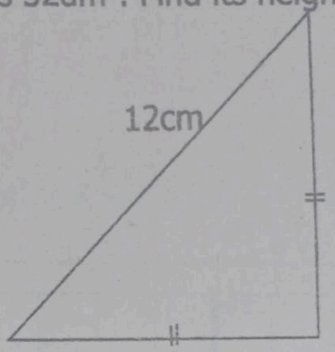
SECTION A: (40 MARKS)

1.	Subtract 0.6 from 8.
2.	Which digit has got four zeros on its value in the number 6,028,734?
3.	Show $^{-}6 + {}^{+}9$ on a number line below. 
4.	By selling a radio of sh. 45,000, a trader makes a loss of sh. 5000. Find the percentage loss.
5.	What is the next number in the sequence below? 1, 3, 9, 27, _____
6.	A boy made two laps on a circular field of diameter 21m. What distance did he cover?

7. Describe the shaded part on the Venn diagram below.



8. The area of the triangle below is $32dm^2$. Find its height.



9. Add: $\frac{5}{6} + \frac{3}{8}$

10. William had two hundred sixty four plots of land all over the country, after his death, cla members had to divide the plots equally to eight sons. How many plots did each son get?

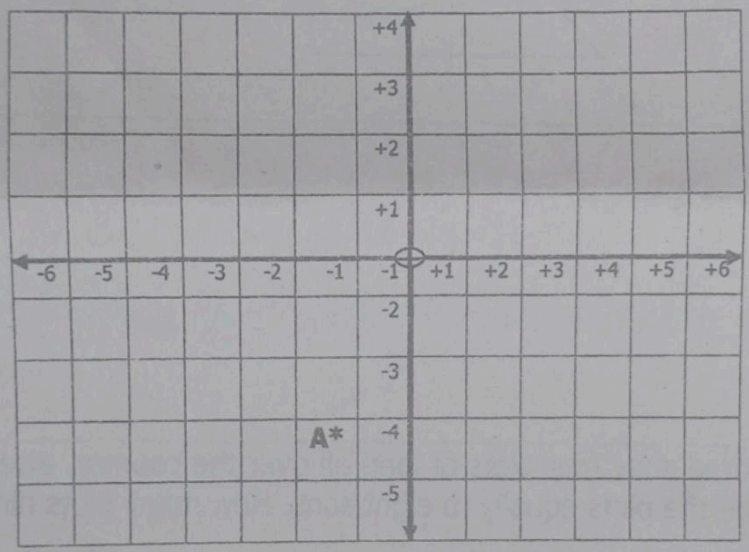
11. Workout:

Hours	minutes	seconds
15	30	15
- 6	00	30

12. Anna Maria scored 398 marks out of 400 and she was positioned the first in primary four. Express the marks she scored as roman numerals.

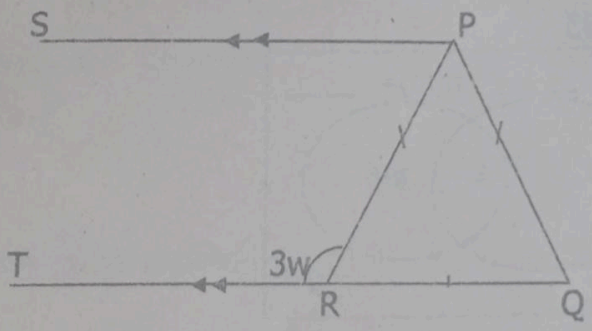
13. What is the place value of 3 in the number 28.736?

14.

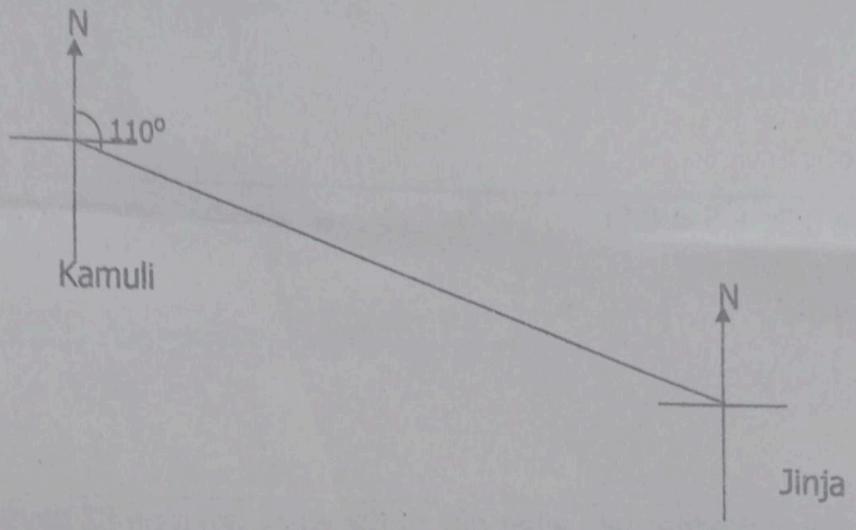


(i) Write the co-ordinate of point A.

(ii) Plot the point Q (0, $^{+}$6)

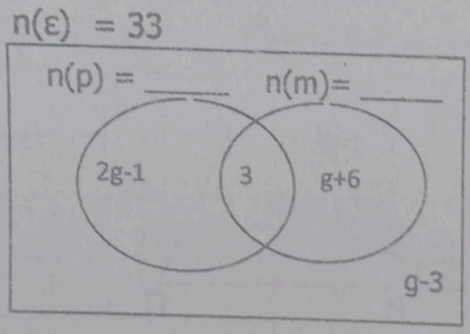
15.	Hellen travelled from Katutu to Kagumu at a speed of 120Kmlh and used 45 minutes. How far is Kagumu from Katutu.
16.	Solve $0.3t + 5 = 0.5t$
17.	If today is Wednesday, what day of the week will it be 82 days from today?
18.	In the diagram below **PQR** is an equilateral triangle **PS** is parallel to **QT**. find the value of **W.** 
19.	A mother is 5 times the age of her daughter and their total age is 42 years. Find the daughter's age.

20. In the figure below, find the bearing of Kamuli from Jinja.



SECTION B:

21. The Venn diagram below shows guests who spent a night in Kaamu Hotel. If they took Pepsi (P) and Mirinda fruity (M). Study the Venn diagram and answer questions that follow:



a) Complete the Venn diagram.

b) Find the value of g if 26 guests liked only one type of drink.

c) Find the probability of a guest who liked Mirinda only.

22. a) Mpanguzi arranged tree seedlings in a box of 5 and 1 seedling remained, when he arranged them in a box of 11, 8 remained. How many tree seedlings did he have?

b) Today is Saturday 16th June. What day of the week will it be on 22nd August of the same year?

23. a) Uganda bureau of statistics recorded twenty nine million seven hundred one thousand two hundred twelve people in Eastern and Northern regions of Uganda. Write the number of people who were counted in the above two regions in figures.

b) Express CMXLVI in Hindu Arabic numerals.

c) Write the place value of 6 in the numeral 5263.

24. The interior angle and the exterior angle of a regular polygon is in the ratio of 3:2 respectively. What is the name of the polygon?

25. (a) Workout $48 \div (2 \times 4) \times 5$.

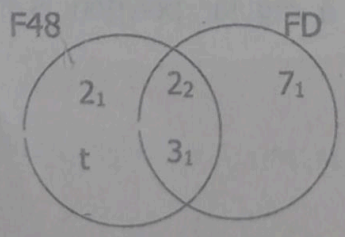
(b) A farmer used 2,436,000 litres to water her water melon garden last season. This season, she used 430,000 less than last season. How much water has she used this season?

26. Mr. Kimpi went to Kadama market on Monday and bought the following items for his wife Naula. 70 litres of cooking oil at sh. 60,000, 40kg of sugar at sh.140,000, 50kg of salt at sh. 50,000.

(a) If his wife wished to get 30% profit by selling sugar. At what price did she sell 1kg of sugar?

(b) If she sold 1 litre of cooking oil at sh. 1500. What was her profit?

27. (a) Use the Venn diagram below to find the value of **T** and **D**.



(b) Workout the GCF and LCM of FD and F48.

28. A bus driver left town A at 6:00am driving at an average speed of 30Km/h for 2 hours to town B. he stopped at B for 30 minutes and then left for C driving at 60Km/h for 2½ hours. He stopped at C for ½ an hour and then drove back at 140Km/h.

(a) Calculate the average speed.

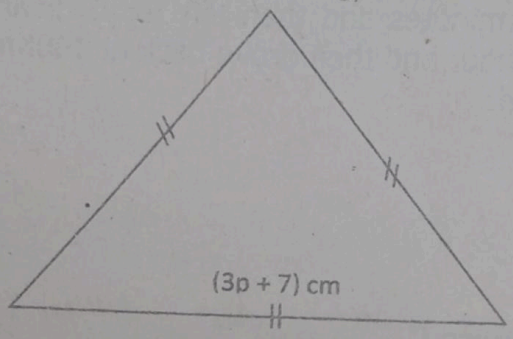
(b) At what time did he reach town C.

29. (a) What number becomes 64 when decreased in the ratio of 8:11.

(b) Kidicha's sugarcane plantation, 3 men take 9 days harvesting sugarcane which is approximately $\frac{1}{2}$ an acre. How long will 12 men take to finish the job at the same rate?

30. A fuel tank ahs a height of 14M. Its radius is 1M. What is its capacity?

31. (a) Calculate the perimeter of the figure below.



(b) How many lines of folding symmetry does the figure in (a) above have?

32. The table below shows Hon. Kinono Mathew distributed plastic chairs in four different sub counties. Use it to answer the questions that follow.

Kadama	Kirika	Nabiswa	Kabweri
30	20	K	15

If the distributions wee in percentages, use a radius of 4cm to construct a pie-chart representing the above information.

♦♦♦ E N D ♦♦♦