KABOJJA JUNIOR SCHOOL

PLE MOCK EXAMINATIONS, 2026 (Int)

P.7

MATHEMATICS

Time allowed: 2 Hours 30 Minutes

	Random No.						Personal No.		
Index No.									

Candidate's Name: .....

Stream: ..... *Date:* .....

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For Examiner's use only	
A	
B	
TOTAL	

Read the following instructions carefully

1. This paper has two Sections: A and B.
2. Section A has 20 answer questions (40 marks)
3. Section B has 12 questions (60 marks)
4. Answer ALL questions. Answers to both sections must be written in the spaces provided.
5. All answers must be written using blue ink. Diagrams should be drawn in pencil.
6. Unnecessary alteration of work may lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do not fill anything in the box indicated for examiner's use only.

PARENT'S COMMENT	Sign

SECTION A (40 MARKS)

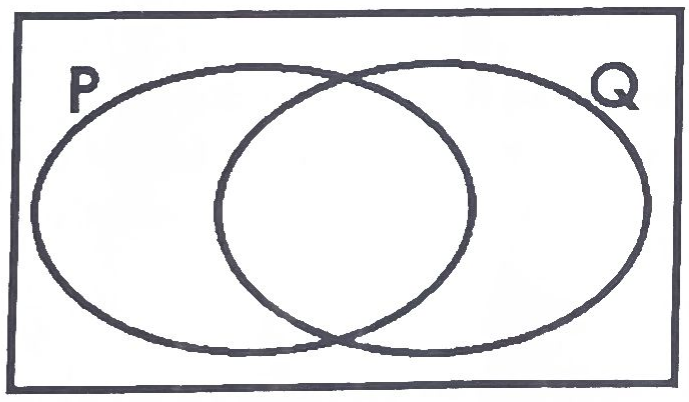
Answer all questions in this section
Question 1 to 20 carry two marks each

1. Work out: $3\overline{)12}$

2. Simplify: $^{-}8 - ^{-}5$.

3. Round off 796517 to the nearest ten thousand.

4. Shade $(P - Q)^{1}$ in the Venn diagram below;



5. Increase Sh. 90,000 in the ratio 7:5.

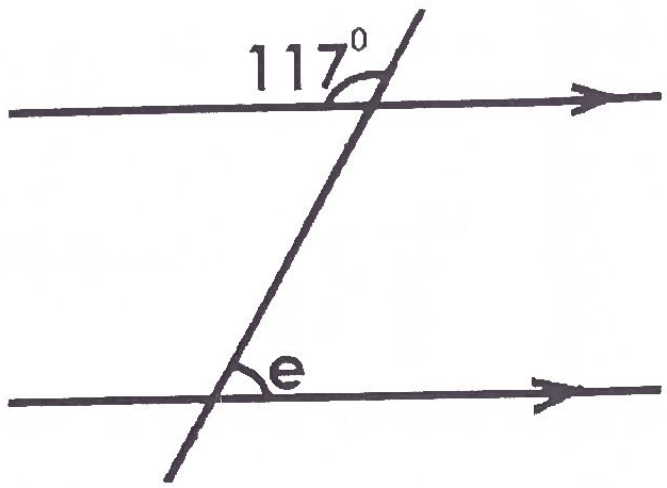
6. Solve the inequality: $6x - 1 \leq 17$

7. A die is tossed once, What is the probability that the number on top is a prime number?

8. What is the highest number of girls that can share 24 mangoes or 32 mangoes without leaving a mango?

9. Shamsa sold a dress at sh. 70000 making a profit of sh. 7300. How much did she buy the dress?

10. Study the figure below and find the size of angle e.



11. Poles were fixed along one side of a walk way at intervals of 40m. How long is the walk way if there are 21 poles?

12. Usain Bolt ran 200 metres in 24 seconds. What was his speed in km/hr?

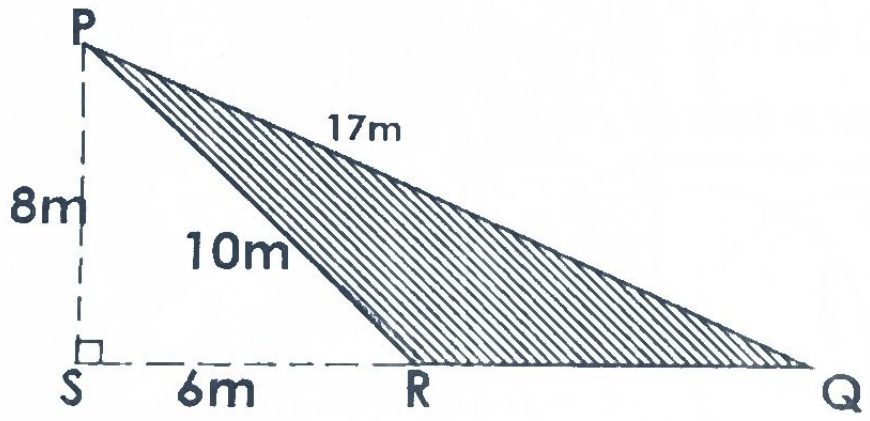
13. Given that set AUB = {1, 2, 3, 5, 6, 7, 9}, A$\cap$B = {3, 6} and A = {1, 3, 6, 7, 9}. Find $\cap$(B)

14. Juma started his 38-day-leave on Wednesday. What day of the week will the leave end?

15. Workout: $7.8 - 11.56 + 5.7$.

16. The interior angle of a regular polygon is 144^0. How many sides does the polygon have?

17. Calculate the area of the shaded part given that PQ = 17m, QS = 15m, RS = 6m, PS = 8m and PR = 10m.



18. Musa slept at 9:30p.m and woke up at 4:45 a.m. the next day. For how long was he asleep?

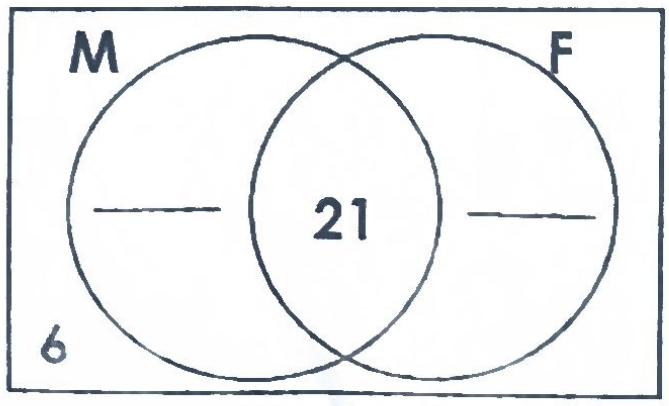
19. Given that a = 4, b = 5 and c = -3, evaluate $ab - c^3$.

20. Write 40600 in standard form.

SECTION B

21. In a class, (C+5) students eat meat(M) but not fish, (3C – 8) students eat fish(F) only, 21 eat both and 6 none of the two.

(a) Complete the Venn diagram below; **(2mks)**



(b) The students who eat fish are 6 more than those who eat meat. Find the value of C.

(2mks)

(c) How many students do not eat fish?

(1mk)

22.(a) Change 204_{five} to base seven.

(4mks)

(b) What number has been expanded to give:

$(7 \times 10000) + (3 \times 100) + (5 \times 10) + (6 \times 1)$?

(2mks)

23. A tank of water is $\frac{2}{5}$ full. When 140 litres of water are added, it becomes $\frac{3}{4}$ full. How many ltres does it hold when it is $^{5}/_{8}$ full? **(4mks)**

24. A farmer planted 105 coffee seedlings in 3 days. He planted 7 more coffee seedlings each other day. How many coffee seedlings did he plant on the third day? **(4mks)**

25. **Study the foreign exchange rate below and use it to answer the questions that follow:**

currency	Buying in Ug Sh.	Selling in Ug. Sh.
1US dollar ($)	3600	3700
I British Pound (£)	4700	4800
I Kenyan (KSh)	33	39

(a) A trader exchanges Ug Sh 1,716,000 for Kenya Shillings, how much did she get? **(2mks)**

(b) A tourist had US dollars ($) 7000 which he exchanged for Ug. Shillings. If he used Ug. Sh 18,000,000 and exchanged the remaining amount into British pounds(£), how much was he given? **(4mks)**

26.(a) Using a ruler, a pencil and a pair of compasses only, construct a parallelogram PQRS where PQ = 7cm, OR = 6cm and angle QPR = 60^0. **(4mks)**

(b) Measure diagonal PR. **(1mk)**

27. The mass of a wooden box full of ceramic cups is 7.4kg. The empty wooden box weighs 2.6kg.

(a) Find the mass of the cups in kg. **(2mks)**

(b) How many ceramic cups are in the wooden box if each cup has a mass of 75g?

(3mks)

28. Teddy is 36 years older than Shamsa. In 7 years' time, Teddy will be thrice as old as Shamsa

a) How old is Shamsa? **(4mks)**

b) Find Teddy's age in 5 years' time. **(1mk)**

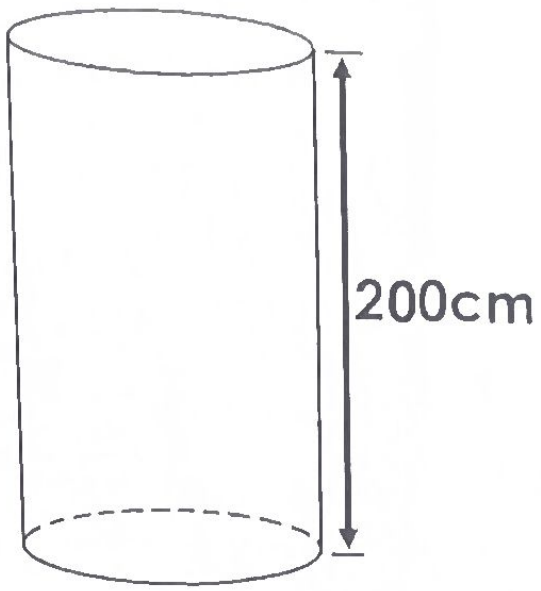
29. In a class, 25% of the pupils eat matooke, 48% of the remaining pupils eat rice and the rest of the pupils eat sweet potatoes. If there are 78 pupils who eat sweet potatoes.

a) Find the percentage of pupils who ate potatoes. **(3mks)**

b) How many pupils are in the class? **(2mks)**

30. The average mass of 9 students is 68kg. When two more students (Amiirah and Kenneth) join them, the average mass becomes 70kg. If Kenneth is 8kg heavier than Amiirah, what is Kenneth's mass? **(5mks)**

31. The figure below shows a cylindrical tank of height 200cm. Use it to answer the questions that follow:



(a) The circumference of the circular bottom is 440cm. What is the radius of the tank? $(\pi = \frac{22}{7})$ **(2mks)**

(b) Find the capacity of the tank. **(3mks)**

32. **The time table below is for a bus from Kampala to Busia. Use it to answer the questions that follow:**

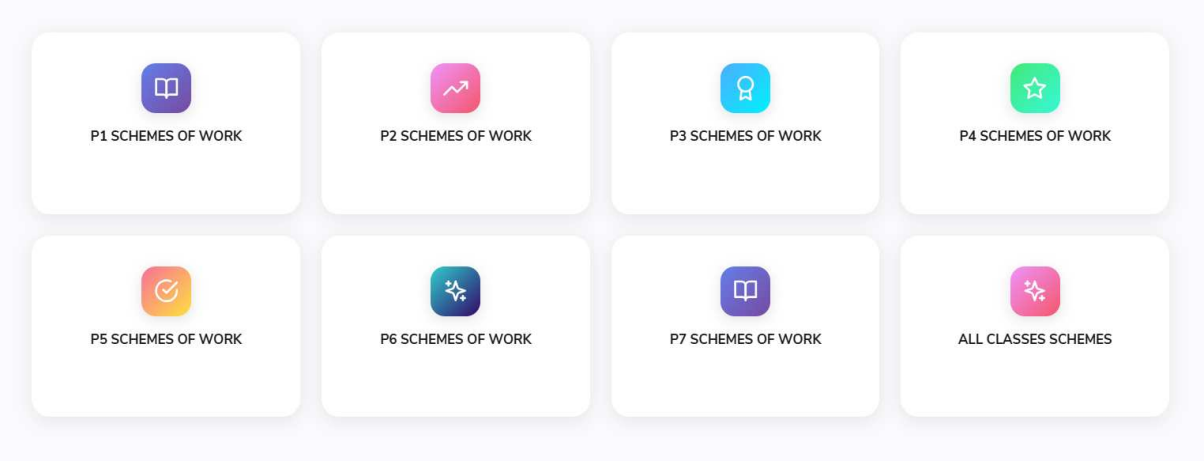
Town	Distance from Kamapla	Arrival time	Depature time
Kampala	00		10:40am
Jinja	80	12:50pm	1:00pm
iganga	160	2:00pm	2:05pm
Busia	252	3:10pm	

a) How far is Busia from Jinja? **(1 mark)**

b) Find the total time taken from Kampala to Busia. **(2 marks)**

c) Calculate the average speed of the Bus for the whole journey.**(2 mks)**

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