

THE ALBRIMAS EXAMINATIONS BOARD

2025 PRIMARY SCHOOL LEAVING CERTIFICATE 1ST MOCK EXAMINATION



MATHEMATICS

(100 marks)



Subject Number: P131

Time Allowed: 2 hours

Thursday, 20 February

7:00 – 9:00 am

Name of Candidate: _____

(Surname First)

Name of School: _____

Instructions

1. This paper contains 11 printed pages. Please check.
2. There are 20 multiple choice questions in Section A and 10 questions in Section B. Answer **all** the questions.
3. You are provided with **two** blank pages at the end of this question paper for rough work for Section A. Do **not** tear them off.
4. In Section B, you are required to show **all** your working.
5. Use of electronic calculators is **not** allowed.
6. Please make sure you have written your **name**, **examination number** and **school name** on the question paper in the spaces provided.
7. In the table provided on this page, tick against the question number you have answered.
8. Hand in your question paper to the invigilator when time is called to stop writing.

Question Number	Tick questions 21 – 30 if answered	Do not write in these columns	
1 – 10			
11 - 20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

Turn over

Section A (40 marks)

Answer **all** questions in this section.

You are provided with a loose sheet of paper for your rough work in this section only.

Encircle the corresponding to the right answer for each question.

1. A district has 94 000 people. If the population increases at the rate of $4\frac{1}{2}\%$ per year, calculate the number of people after 6 months.
A. 95 880
B. 119 230
C. 96 115
D. 98 230
2. Carissah measured two angles of a triangle and found that they were 60° and 55° respectively. What is the name of this triangle?
A. isosceles
B. scalene
C. equilateral
D. right – angled
3. A car travelling at 50 km/h takes 2 hours to cover a certain distance. How long will it take to travel the same distance if it travels at 90 km/h?
A. $\frac{5}{18}$ hours
B. $\frac{9}{10}$ hours
C. $\frac{10}{9}$ hours
D. $\frac{18}{5}$ hours
4. A train is supposed to start off from Blantyre at 11:58 am and reach Balaka at 1:49 pm. If it arrived 22 minutes late, how long did the journey take?
A. 1 h 29 min
B. 2 h 13 min
C. 1 h 51 min
D. 2 h 51 min
5. The following were test marks for a mathematics class: 10, 11, 11, 12, 12, 13, 16, 18, 19 and 19. If the teacher took the average as the pass mark, how many pupils passed the test?
A. 2
B. 3
C. 5
D. 4
6. If 48 m^3 of water is stored in a rectangular tank 6 m long and 4 m wide, calculate the height of water level in the tank.
A. 4 m
B. 2 m
C. 0.5 m
D. 4.8 m
7. A farmer wants to sell equal number of goats from the following: 30 brown, 72 black and 78 white goats. Find the largest number of goats that could be sold from each group.
A. 2
B. 3
C. 6
D. 78

Continued/...

8. What is 2.5 as percentage?
A. 93%
B. 97.5%
C. 102.5%
D. 250%
9. Express 624893 cm in km, m and cm.
A. 0 km 624 m 893 cm
B. 6 km 248 m 93 cm
C. 62 km 48 m 93 cm
D. 624 km 8 m 93 cm
10. How long would it take K60 000 to yield K12 000 simple interest at the rate of 5% per annum?
A. 1 year
B. 4 years
C. 5 years
D. 25 years
11. Which digit has a place value of "tenth" in the number 605.3278?
A. 0
B. 2
C. 3
D. 5
12. Subtract 417 g from 0.699 kg.
A. 282 g
B. 347.1 g
C. 416.3 g
D. 1116.9 g
13. What term is given when a selling price is less than a cost price?
A. discount
B. loss
C. market price
D. profit
14. A sales lady bought 280 guavas. If she sold them at K6 each and made a total loss of K125, how much did she buy the 280 guavas?
A. K 750
B. K 630
C. K 1 555
D. K 1 805
15. What is the missing number in the following number patterns?
(100, 2), (5, 40), (200, 1), (50, ___)?
A. 1
B. 2
C. 4
D. 6
16. Blair sold pairs of shoes for K40 000 and got K8 000 commission. What was his commission percent?
A. 20%
B. 25%
C. 50%
D. 80%
17. What is the area of a square garden whose perimeter is 40 m?
A. 100 m²
B. 160 m²
C. 400 m²
D. 1600 m²

18. How many lines of symmetry does a rectangle have?
- A. 2
 - B. 3
 - C. 4
 - D. 5
19. Fire destroyed 96 % of books in a library. If 200 books were not burnt, calculate the original number of books in the library.
- A. 192
 - B. 208
 - C. 4800
 - D. 5000
20. By selling a car for K500 000, a loss was made at the rate of 6t per kwacha. Find the amount lost.
- A. K30 000
 - B. K300 000
 - C. K470 000
 - D. K530 000

Section B (60 marks)

Answer **all** questions in this section. Write your answers in the space provided under each question. Show your working.

21. a. Take away the sum of 1625 and 1021 from 3000. **(3 marks)**

- b. A hen laid $2x$ eggs. After hatching 5 chicks, 7 eggs remained. Find the value of x .
(3 marks)

22. Divide 92 kg 15 g by 7. (4 marks)

23. A butcher sold beef at K27.50 per kg at a loss of 12%. Find:
a. the cost price of the beef per kg. (4 marks)

b. the total loss if 98 kg is sold.

(3 marks)

24. **Figure 2** shows a triangular space **ABC** with a border 1 m wide. **BC = 8 m** and **DH = 20 m**.

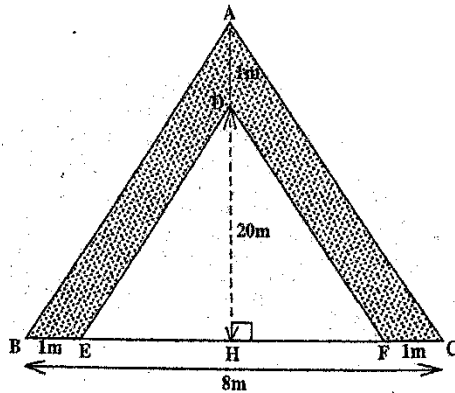


Figure 2

Calculate the area of the lawn.

(6 marks)

25. Chawa, William and Fumba share a sum of money. Chawa gets $\frac{4}{9}$ and William gets $\frac{1}{3}$ of the sum. Given that Fumba gets the rest which is K8, find the amount the others get.
(5 marks)

26. Calculate the compound interest on K45 000 for 2 years at 20% per annum. (7 marks)

27. Table 1 shows rates of tax on salaries per month for a certain year.

Salary per month	Rate of tax
First K 900	0% (tax free)
Next K 3 000	15%
Over K12 000	30%

If a worker pays K4 830 as income tax. Use the table to find his annual salary. (7 marks)

28. a. Using a ruler and a protractor, construct a triangle **ABC** in which **BC** = 7 cm, angle **ABC** = 65° and **ACB** = 50° . (4 marks)
- b. Measure and state the length of **AC**. (1 mark)
- c. What type of triangle is it? (1 mark)
29. Takondwa paid K420 000 as custom duty for goods bought. If the rate of the custom duty was $52\frac{1}{2}\%$. Find the value of the goods. (4 marks)

30. Mr Kalembeni Kathawe had K10 000 balance in bank on 1 April 2018. During the month he made the following transactions:

2 April	sold eggs for K8 000 cash
10 April	withdrew K5 000 from bank
21 April	banked K4 500

Prepare a cash book for him and balance it as 30 April.

(8 marks)

END OF QUESTION PAPER

This paper contains 11 pages

ALBRIMAS (Alipo Schools, Bright Future, Maranatha Institute, Snow White & Word Alive Academy)

EXAMINATION NO.: _____

EXAMINATION NO.: _____