



NKHAMENYA ZONE EXAMINATION BOARD

2025 TERM THREE PRE-MOCK EXAMINATIONS

MATHEMATICS

(100 MARKS)

STANDARD 7

NAME OF A LEARNER: _____ DATE _____

NAME OF SCHOOL: _____

Instructions

- This paper contains two sections **A** and **B** please check
- In section A encircle the correct letter representing the answer
- Use the spaces provided to solve the problems in section **B**
- Cheating is strictly prohibited

SECTION A (40 MARKS)

1. What is 3453 to the nearest thousands?
A. 3000 C. 3400
B. 2000 D. 3550
2. Subtract 417g from 0.699kg
A. 282g C. 416.3g
B. 347.1g D. 116g
3. Add 84.04, 22, 0.55 and 8
A. 84.89 C. 92.81
B. 85.61 D. 114.59
4. What is the rule for generating the following number pattern: 70, 67, 64?
A. Add 3 C. subtract 3
B. Multiply by 3 D. divide by 3
5. Find the circumference of the circle whose radius is 7 cm
A. 22cm C. 44cm
B. 154cm D. 616cm
6. What name is given to the figure below?



- A. Square C. rectangle
B. Parallelogram D. kite
7. A diagram of plant 18 cm long was drawn using a scale of 1cm representing 3 cm, what was the length of the diagram of the plant?
A. 3cm C. 54cm
B. 18cm D. 9cm
8. Mrs. Msukwa has been teaching at nkhamenya boys for instrum of years. What does instrum mean?
A. 25 years C. 5 years
B. 4 years D. 10 years

The table below shows a list of diseases affecting learners at Nthembwe primary school. Use it to answer questions 9 and 10

Diseases	Tally
Cough	### ///
Malaria	### ### ////
Diarrhea	////
Covid-19	//

9. Which disease affects the least number of learners?
A. Cough C. diarrhea
B. Malaria D. Covid-19
10. What is the average number of learners affected by the disease?
A. 14 C. 28
B. 7 D. 15
11. Find the total amount to be paid on a loan of k40,000 for 3 years at 20% per annum. Simple interest.
A. k24, 000 C. k64, 000
B. k12, 000 D. k6, 000
12. What name is given to a line that runs from the center to the edge of the circle?
A. Centre C. diameter
B. Radius D. Circumference
13. In a class of 72 learners, 56 passed the examinations. What percentage failed?
A. 22.43% C. 16%
B. 10% D. 22.22%



14. Bright and Enoch shared pencils in the ratio 2:3 respectively. If Enoch got 18 pencils, what was the total number of pencils?

- A. 12 C. 30
B. 27 D. 45

15. Which of the following is the greatest mass?

- A. 75 milligrams C. 75 hectograms
B. 75 decigrams D. 75 decagrams

16. Express 45% as ratio in its simplest form.

- A. 9:20 C. 45:100
B. 20:9 D. 100:45

17. Simplify $\frac{1}{4} : \frac{1}{8}$

- A. 1:2 C. 4:8

B. 2:1

D. 8:4

18. Calculate the number of years from 17BC to 20AD

- A. 17 years C. 3 years
B. 20 years D. 37 years

19. A sales lady bought 280 guavas. If she sold them at k6.00 each and made a total loss of k125.00, how much did she buy the 280 guavas?

- A. K750 C. k1555
B. K630 D. k1805

20. Express 32m^3 into litres

- A. 3,000 litres C. 32,000 litres
B. 3.2 litres D. 32,000,000 litres

SECTION B (60 marks)

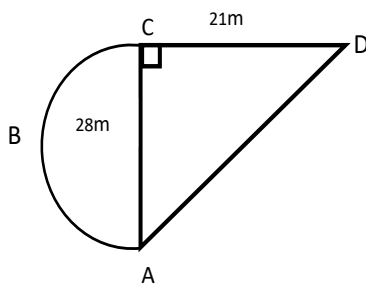
21. a) Calculate the radius of a circle whose circumference is 88cm.

5 marks

b) A tank measuring 5m long, 4m wide and 3m deep is half full of water. Calculate the volume of water in the tank in liters.

5 marks

22. The figure below is a composite figure made up of a semi-circle ABC and a right angled triangle ACD in which AC = 28 m, CD = 21m and angle ACD = 90° . Calculate the area of the shape.



7 marks

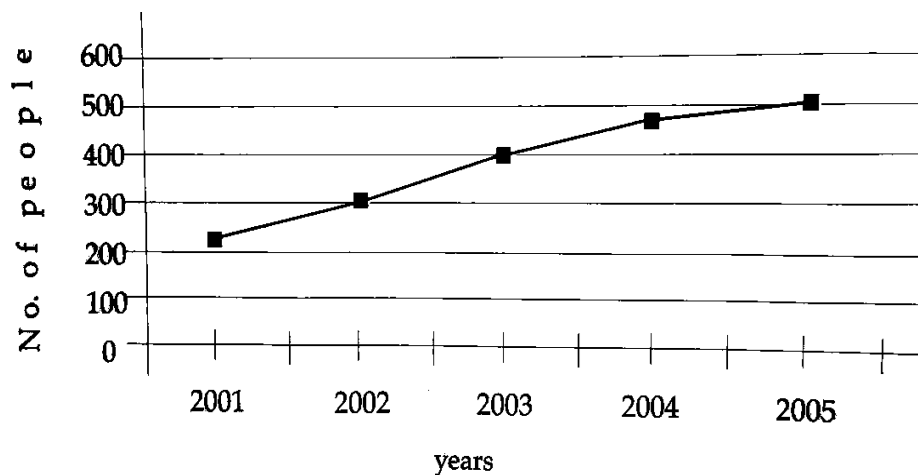
23. a) A journey takes 5 hours when travelling 78km/hour. How long will it take travelling at 65km/hour?

6 marks

b) The average of five numbers is 73. Four of the numbers are 29, 36, 112 and 80. Find the fifth number.

4 marks

24. Below is line graph showing the population of a village for five years. Use it to answer questions that follow



a). In which year was the population of the village lowest?

2 marks

b). what was the population of the village in 2003?

2 marks

c). How long did it take for the population to increase from 300 to 500 people?

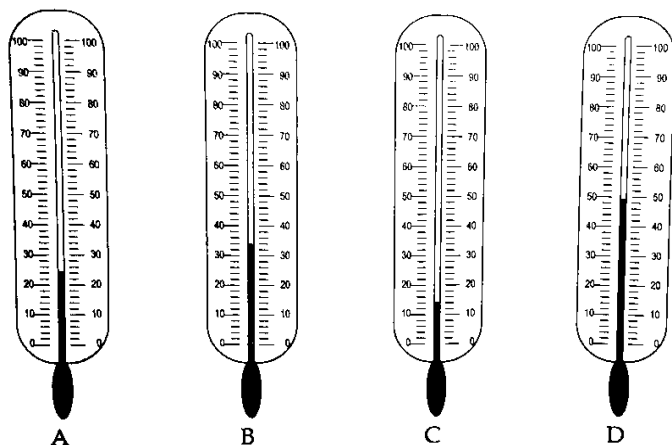
2 marks

24. a). What must be added to the sum of $13\frac{2}{5}$ and $2\frac{1}{2}$ to make $17\frac{3}{4}$?

b). Simplify $(208.1 - 198.8) \times 10$

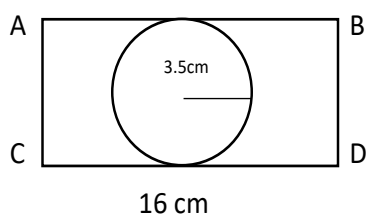
3 marks

25. study the thermometers below and record the temperatures in table form



6 marks

27. The figure below is a rectangular flow lawn ABCD with a circle inside it. Use it to answer questions that follow:



a. Find the total area not taken by the circle.

6 marks

b. If the flower lawn is to be fenced. What will be the total length of the fencing wire?

4 marks

28. find the LCM of 120, 48 and 72

4 mark

End of the questions

