EXAMINATION NO.: _____

NAMASIKA ZONE MOCK EXAMINATION BOARD

2019 PRIMARY SCHOOL LEAVING CERTIFICATE MOCK EXAMINATION

MATHEMATICS

(100marks

Thursday, 21st February

Subject Number: p131
Time allowed: 2hrs
8:00 – 10:00 am

Name of Candidate: _____
(Surname First)

School Name: _____

Instructions

1. **This paper contains 7 pages. Please check.**
2. Write your name and name of your school in the space provided and your **Examination Number** on top of each page of question paper.
3. This paper consists of **two sections A and B.** You are expected to answer all questions

IMPORTANT

4. In the table provided on this page, tick against the question number you have answered
5. Hand in your worked paper to the invigilator when time is called to stop.

Question number	Tick if answer	Do not write in these columns	
1 – 20			
21			
22			
23			
24			
25			
26			
27			
28			

TURN OVER

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Section A (40 marks)

Answer all questions in this section.

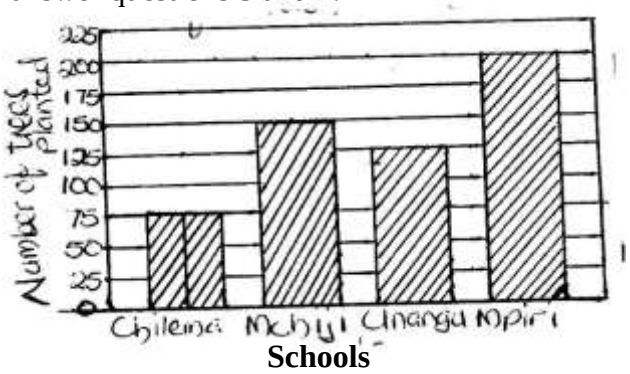
Use the blank pages at the end of this question paper for your rough work in this section only.

Encircle the letter corresponding to the right answer for each question.

1. By how much does 20 exceed 10?
- A. 2
- B. 10
- C. 30
- D. 200

2. Write 67,245 in words.
- A. sixty seven hundred thousand two hundred and forty five.
- B. sixty seven thousand and two hundred thousand forty five.
- C. sixty seven thousand and hundred and two thousand and forty five
- D. sixty seven thousand two hundred and forty five.

Study the bar graph below carefully and use it to answer questions 3 and 4.



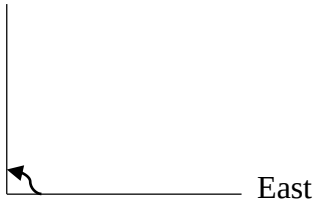
3. How many more trees were planted by Mchiji than Chilema?
- A. 150
- B. 225
- C. 75
- D. 25

4. How many trees altogether were planted by Chilema, Unangu and Mpiri school?
- A. 400
- B. 550
- C. 200
- D. 225

5. Mphatso thinks of a number x and decreases it by 8, the result is 6. Find the number.
- A. 2
- B. 0
- C. 48
- D. 14

6. McBeth is XIX years old and Elizabeth is XXI years old. Who is older between McBeth and Elizabeth?
- A. both of them
- B. Elizabeth
- C. none of them
- D. McBeth

Study the angle below carefully and use it to answer question 7.

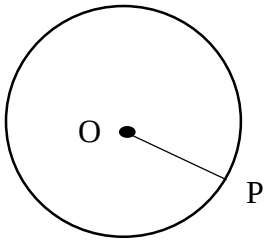


7. The angle has been made by turning from……
- A. East to north anticlockwise
- B. East to North clockwise
- C. North to East anticlockwise
- D. North to East clockwise

8. Find the circumference of a circle whose radius is 7cm.
- A. 22cm
- B. 154cm
- C. 44cm
- D. 616cm

9. 725 x 47 + 988.
- A. 716347
- B. 35063
- C. 80511
- D. 750375

Figure below is a circle. Study it and answer question 10.



10. What name is given to the line OP?

A. radius
B. circumference
C. diameter
D. line of symmetry

11. Convert $ 600 into Malawi kwacha. (1$ = MK 700)

A. MK42,000
B. MK420,000
C. MK4,200
D. MK4,200,000

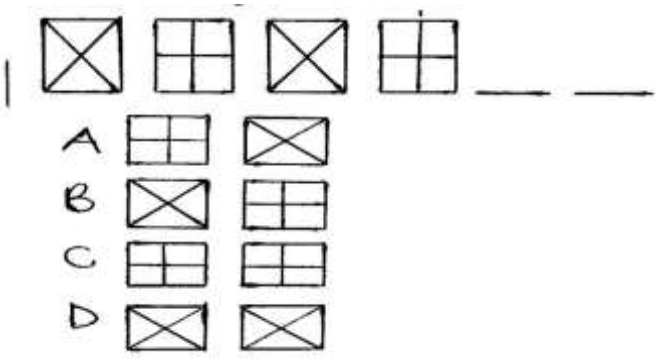
12. Complete the equivalent fraction $\frac{1}{5} = \frac{}{15}$

1. $\frac{2}{15}$
2. $\frac{5}{15}$
3. $\frac{3}{15}$
4. $\frac{15}{15}$

13. Calculate the pass rate if 6 learners passed out of 60 learners who sat for the examinations at a certain school.

A. 0.6%
B. 6%
C. 50%
D. 10%

14. Which of the following completes the pattern?



15. Our headteacher has been heading this school for a decade. What does decade mean?

A. 5 years
B. 25 years
C. 10 years
D. 50 years

16. By selling a house for K2200.A man made a profit of 10%. Find the cost price for the house.

A. K1980
B. K2000
C. K2400
D. K2420

17. Write the number CCXV in Hindu Arabic.

A. 2015
B. 215
C. 235
D. 225

18. Write a statement to represent the inequality $x \geq 3$.

A. x is greater than or equal to 3.
B. 3 is greater than or equal to x.
C. x is less than or equal to 3.
D. 3 is less than x.

19. Change the time 2:15pm to 24 hours.

A. 02:15 hours
B. 13:15 hours
C. 14:15 hours
D. 20:15 hours

Table 1 shows property and its insurance premium paid per month. Use it to answer question 20.

Property	Insurance premium per month
House	K 9000
Bicycle	K750
Motor vehicle	K4500
House furniture	K3750

20. If a person paid a total premium of K45000.00 for an agreed period of 5 years for insuring one of the property in table 1. Which property was insured?

A. house
B. motor vehicle
C. house furniture
D. bicycle

Section B (60 marks)

Encircle the letter corresponding to the right answer for each question.

21.a. Simplify the following $(9\frac{7}{16} - 5\frac{8}{8} + (\frac{7}{16} \; x \; \frac{8}{21})$ (5 Marks)

b. 7m + 3n – 4m – 2n (3 Marks)

22. The following table shows the number of absentees in some schools round chipanda boma.

No. of absentees	40	60	80	20	100
Schools	Wali	Mombe	Zoa	Bali	Wanu

Using a scale of to represent 10 learners, draw a picture graph for the absentees. (8 Marks)

23. a. Cathy her business with x kwacha. Her husband added K100 kwacha to boost the business and she had a total of K1000.Calculate the amount of money she had when starting the business. (4 Marks)

b. Find the median of the following set of numbers 6, 8, 3, 7, 4, 6, 3, 8, 8. (4 Marks)

Table 2 below shows income tax rate. Use it to answer question 25.

Income	**Rate for tax**
K9000 (First)	0%
Next K3000	15%
Excess (over) K12000	30%

24. Me Mapeto's salary is K18000 per month. Find his income tax.

(a) Per month. (7 Marks)

(b) Per year. (2 Marks)

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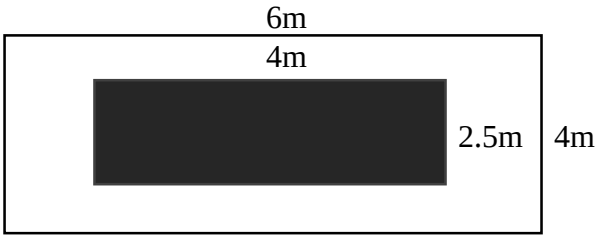
25. A Mat measuring 4m by 2.5m is put in a room measuring 6m by 4m.



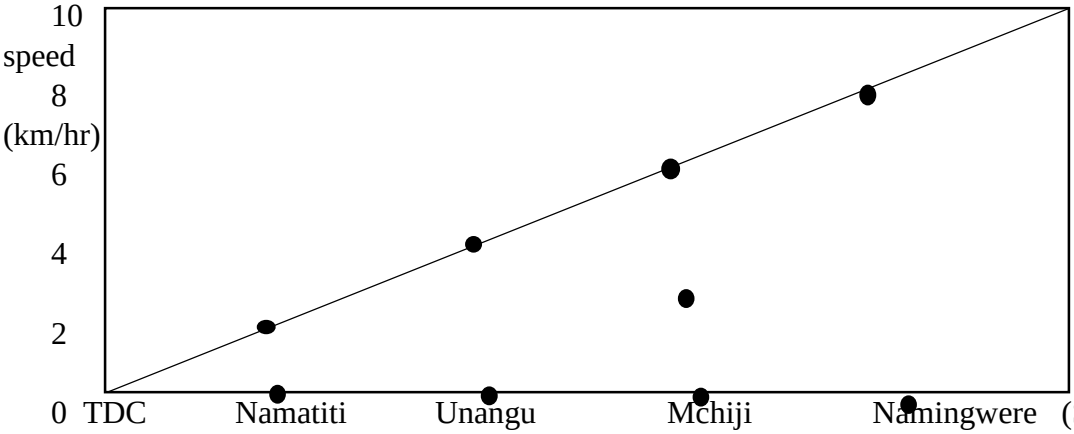
a. Find the area of the room which is not covered by the mat. (5 Marks)

b. If the room is to be fenced, what will be the total length of the fencing wire? (3 Marks)

26. a. Simplify the following: 3.031 + 40.21 + 119.6 (3 Marks)

b. Express 75% as a ratio. (3 Marks)

27. The line graph below shows the speed travelled from the TDC to different schools in Namasika Zone.



Calculate the time one would take to travel from the TDC to Mchiji if the distance is 12 km. (5 Marks)

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28. Given a triangle JKL with JK= 5cm, KL = 6cm and angle JKL= 65^{o} .

a. Using a ruler and a protractor only, construct the triangle JKL. (6 Marks)

b. Measure and state JL. (1 Mark)

c. Name the triangle constructed in 28a.

_____ (1 Mark)

END OF QUESTION PAPER