



MATSIMBE EXAMINATIONS BOARD

ASSESSMENT FOR MARCH, 2021

MATHEMATICS

(100 MARKS)

STANDARD 8

Name of candidate : _____
(Surname first)

Name of School : _____

Instructions

1. This paper contains **6 pages**. Please check.
2. This paper has two section **A** and **B**. Section **A** consists of **20 multiple choice** questions carrying **1 mark** each. Encircle a letter of your choice representing the right answer to each question. **Section B** has **structured** questions. Write your answers to this section on the question paper in the spaces provided. The maximum number of marks for each answer is indicated against the questions.
3. Answer **all** questions
4. In the table provided on this page, **tick** against the question number you have answered.

5. IMPORTANT

- Please make sure you have written your **name**, **school name**, and **examination number** on the question paper.
- Please hand in your filled-in question paper to the invigilator at the end of the examination.

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

SECTION A : MULTIPLE CHOICES (40 MARKS)

SECTION B (60 MARKS)

21. a. Solve the following :

i. $981 + 762 - 312$ (3 marks)

ii. $875 \times 125 \div 175$ (3 marks)

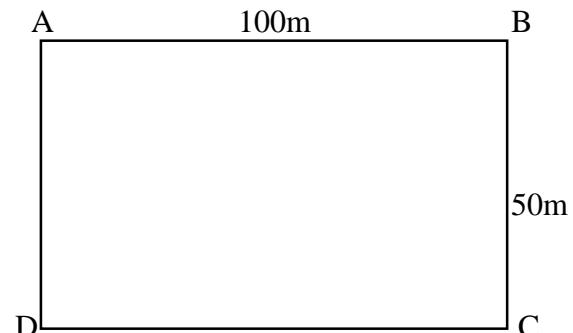
b. Multiply the difference between 701.2 and 681 by 2.3 (5 marks)

22. Simplify the following fractions : $\frac{4}{5} \times \frac{2}{3} - \frac{3}{10} \div \frac{3}{5}$

(4 marks)

23. a. A bicycle tyre has a diameter of 34.3cm. Calculate the circumference of the tyre. (Take $\pi = \frac{22}{7}$) (3 marks)

b. Figure 1 shows a sketch of a rectangular ABCD



Find the area of the rectangle in meters

(4 marks)

24. a. Aleka had K5000 and bought 30 exercise books at K750 per unit and 5 pens at K120 per pen. Calculate the amount of money left. (5 marks)

(5 marks)

- b. Tinyade received R1275 from South Africa. If $1R = K50$. Calculate the amount of money that Tinyade received in Malawi Kwacha (3 marks)

25. Table 1 shows number of tomatoes sold by two vendors at a certain market.

Name of vendor	Number of tomatoes sold
Prince	
Princess	

If  represents 60 tomatoes. Calculate the difference between the number of tomatoes sold by Prince and those sold by Princess. (4 marks)

26. a. The first three numbers in a pattern are 55, 70 and 85. Find the fourth number. (4 marks)

- b. What is the rule for generating the number pattern in question 26a above? (2 marks)

27. Find the total cost of the following items: 4kg sugar at K130 per kg, 15 batteries at K35.50 each, 4 radio cassettes at K275 each, 10kg of rice at K145 per kg and 250 pencils at K60 per unit (1 unit = 10 items)

29. In a class $\frac{3}{5}$ of the learners are girls, 20 learners are boys. How many girls are there? (4 marks)

(10 marks)

28. Add the difference of $9\frac{3}{16}$ and $5\frac{5}{8}$ to the product of $\frac{7}{16}$ and $\frac{8}{21}$ (3 marks)

30. Find the HCF of 289 and 357 using continued division method. (2 marks)

END OF THE QUESTION PAPER.