JUNIOR SCHOOL EDUCATION ASSESSMENT

KC 02

MATHEMATICS

GRADE NINE - 2026

9

NAME: .....

SCHOOL: .....

ASSESSMENT NO..... DATE: .....

SECTION A:

ANSWER ALL QUESTIONS

IN THE ANSWER SHEET PROVIDED

1. Kenya has twenty four million, three hundred and fifty two thousand, nine hundred and twenty three registered voters. How many times is the total value of digit 4 more than the value of digit 5 in the number.
   A. 3,950,000 B. 80
   C. 79 D. 800

2. Alicia was asked to test whether 895136 is divisible by 11. Which expression shows the correct computation of the divisibility test.
   A. $(8 \times 9 \times 5) - (1 \times 3 \times 6) = 360 - 18$
   B. $(8 + 9 + 5) - (1 + 3 + 6) = 22 - 10$
   C. $(8 + 5 + 3) - (9 + 1 + 6) = 16 - 16$
   D. $(8 \times 5 \times 3) - (9 \times 1 \times 6) = 120 - 54$

3. In an examination which has 50 questions, marks were awarded as follows;
   -For every correct answer (2) marks
   -For every wrong answer (-1) mark
   -For every question not done (0) marks.
   Chelal did 45 questions and got 37 of them correct. How many marks did Chelal get in the examination?
   A. 74 B. 82 C. 66 D. 37

4. At Masomo Bora Primary and Junior School $^{3}/_{10}$ of the learners are boys. During opening day $^{5}/_{6}$ of the boys reported and $^{2}/_{5}$ of the girls were absent, if the total number of learners present that day were 201. Which of the following calculations will give the population of learners in that school?
   A. $(^{1}/_{4} + ^{21}/_{50}) \times 201$ B. $(^{21}/_{50} - ^{1}/_{4}) \times 201$
   C. $201 \div (^{1}/_{4} - ^{21}/_{50})$ D. $201 \div (^{1}/_{4} + ^{21}/_{50})$

5. The size of corona virus is estimated to be 0.00006251 mm. Which one of the following shows the correct size expressed in the form $A \times 10^{n}$.
   A. 6.251×10^{-4} B. 6.251×10^{-5}
   C. 62.51×10^{-6} D. 6.251×10^{5}

6. A carpenter is making a rectangular table top. The length is $(x + 5)$ cm and the width is $(x - 2)$ cm. Which of the following represent a simplified expression for the perimeter of the table top?
   A. $4x + 6$ B. $4x - 6$
   C. $4x + 14$ D. $4x - 14$

7. Kimutai completed paper 1 of the integrated science end term assessment and scored 55 marks out of 70. He was preparing for paper 2 which is marked out of 30 marks. If the total final mark (T) is calculated by adding the paper 1 score to the paper 2 score. Which of the following inequalities represents Kimutai's range of total expected marks?
   A. $55 < T < 85$ B. $55 < T < 85$
   C. $55 \leq T \leq 100$ D. $0 \leq T \leq 85$

8. Andrew drew a line whose equation is $4y - 7x + 3 = 0$. What is the gradient of the line?
   A. $^{4}/_{7}$ B. 7 C. 4 D. $1^{3}/_{4}$

9. Grade 9 learners were working on matrices during a Mathematics lesson.

$$\begin{pmatrix} 2x & 17 \\ 12 & x \end{pmatrix} + \begin{pmatrix} 3y & 25 \\ 11 & y \end{pmatrix} = \begin{pmatrix} 38 & 42 \\ 23 & 15 \end{pmatrix}$$

   Which one of the following numbers correctly re placed letter x and y in the first and second matrix?
   A. $x = 8, y = 7$ B. $x = 10, y = 5$
   C. $x = 7, y = 8$ D. $x = 5, y = 10$

10. Janet bought a dress and sold it at a loss of 20%. If she sold it for Ksh. 3000, which of the following calculations shows how much she had originally bought the dress for?
    A. 3000×0.80 B. $3000 \div 0.80$
    C. $3000 + 1.20$ D. 3000×1.20