**JUNIOR SCHOOL FORMATIVE ASSESSMENT**

**GRADE 8**

**MATHEMATICS**

**MIDTERM 2 2024**

**LEARNER’S NAME:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SIGN:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SCHOOL: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **OUT OF** | **50 MARKS** |
| **Learners Score.** |  |
| **Learners %** |  |

**FOR EXAMINERS USE ONLY.**

|  |  |  |
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| **Score Range** | **Performance Level** | **Tick** |
| ***80-100*** | **Exceeding Expectation** |  |
| ***60-79*** | **Meeting Expectations** |  |
| ***40-59*** | **Approaching Expectations** |  |
| ***Below 40*** | **Below Expectations** |  |

**Instructions to Learners.**

Answer all the Questions in the spaces provided after each question.

**QUESTIONS. 50 marks.**

1. Work out:- (2mks)

 45 – 27÷ 9 x 3+5

2. Solve for the value of p in:- (3mks)

 6p –7 =2p+9

3. What is the measure of one side of a square with an area of 27/9 m2? (2mks)

4. Calculate the area of the parallelogram shown below giving your answer in hectares. (3mks)

 

5. Express each of the following as a fraction. (4mks)

a.) 0.5.

b.) 0.1.7.

6. Find the square root of 8.13. (3mks)

7. A solution consists of 2/3 of substance G and the rest is substance F.

a.) Express substance G as a fraction of substance F in the solution. (3mks)

b.) Find the ratio of G:F (2mks)

8. An aeroplane flew from Jomo Kenyatta International Airport at 9.00 pm and arrived in Cairo at 3.00 am. The following day, a distance of 6636km. Calculate its speed in km/hr. (3mks)

9. In a certain year the number of people in Bungoma town was 211400. In the following year the number increased in the ration 9:7. Find the population in the following year. (2mks)

10. A class consumes 30 litres if milk in 5 weekdays.

a.) Find the rate of consumption given they consume same amount of milk per day. (2mks)

b.) How much milk can they consume in 15 days? (2mks)

11. A thermometer reading shows -120 C. After few minutes the temperatures dropped by 80C and the rose by 140C. Find the final reading of the thermometer. (2mks)

12. Change 72km/h to metres per second. (2mks)

13. A semicircular flower bed has a diameter of 14m. Find the perimeter of its outer edge. Take$ π$= 22/7 (2mks)

14. The figure shown below represents a wedge. Calculate the total surface area of the wedge. (3mks)

