

# THE KENYA JUNIOR SCHOOL EDUCATION ASSESSMENT.

**GRADE 8.**

**MATHEMATICS.**

**JULY-AUGUST**

**Time: 1<sup>1</sup>/<sub>2</sub> Hours.**

## JUNIOR SCHOOL ASSESSMENT HOMEWORK ENGAGEMENT MATHEMATICS.

**Learner's Name:** \_\_\_\_\_

**Assessment No:** \_\_\_\_\_ **Grade:** \_\_\_\_\_

**Date:** \_\_\_\_\_

### FOR EXAMINERS USE ONLY.

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

OUT OF	50 MARKS
Learners Score.	
Learners %	

### Instructions to Learners.

- Write your name, stream and register in the spaces provided above.
- Sign and write the date of examination in the space provided above.
- Answer all questions in this question paper.
- All your answers must be written in the spaces provided below each question.
- This paper consists of printed pages. Learners should check the questions in each paper to ascertain that all the papers are printed as indicated and that there is no question missing.
- Answer all the questions in English.

### QUESTIONS.

- What is 7080315 in words? (1mk)
  - State the place value of digit 9. (1mk)

c.) What is the total value of digit 7? **(1mk)**

2. Round off 219486272 to the nearest hundred million. **(2mks)**

3. Use a number line to solve  
 $-6+4 =$  **(3mks)**

4. Work out. **(3mks)**  
 $\frac{1}{3} - \frac{2}{9} + \frac{4}{5} \times \frac{1}{8} \div \frac{1}{4}$

5. Express the following numbers in the standard form.  
a.) 241 **(1mk)**

b.) 0.0084 **(1mk)**

c.) 460000 **(1mk)**

6. Arrange the following fractions in descending order. **(2mk)**  
 $\frac{1}{2}, \frac{2}{3}, \frac{5}{6}, \frac{9}{24}$ .

7. Express the following fractions in as decimals indicating the recurring digits.  
(2mks) a.)  $\frac{6}{11}$  **(2mks)**

b.)  $\frac{11}{30}$

**(2mks)**

8. James purchased  $9\frac{5}{8}$  Kg of maize flour. Express this mass in decimal form.

**(2mks)**

9. Find the least capacity of a tank which can be used to fill containers with a capacity of 20 litres, 30 litres and 50 litres respectively without a remainder. **(3mks)**

10. Express 98 as a product of its prime factors.

**(3mks)**

11. Quinter bought  $3\frac{3}{4}$  kg of rice for her visitors. She then gave each of her five visitors  $\frac{1}{4}$ kg. Determine the amount of rice Quinter remained with. **(3mks)**

12.

a.) A square farm measures 4.78 m on each side. Calculate the area of the farm in square metres. **(3mks)**

b.) Use the table of squares to find the square of 0.2394.

**(3mks)**

13. Evaluate

(3mks)

$$\frac{3}{8}(2^{\frac{3}{4}} - 1^{\frac{1}{4}}) \div \frac{1}{8} \times 1^{\frac{1}{4}} + 4^{\frac{2}{3}}$$

14. Simplify

(3mks)

$$5(x+4) + 4(2x+5) =$$

15. Express each of the following as a single fraction.

a.)  $\frac{1}{6}b + \frac{2}{7}c$ .

(2mks)

b.)  $\frac{x-2}{2} + \frac{x+1}{3} =$

(2mks)

16. Mary bought a skirt for sh.1500. She later sold the skirt for sh.1800. What percentage profit did she make?

(3mks)