JUNIOR SCHOOL EDUCATION ASSESSMENT

2ND TERM 2024

GRADE 7

MATHEMATICS

END OF MAY ASSESSMENT

NAME: _____

SCHOOL: _____

ASSESSMENT NUMBER _____ **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 %	

LEARNER'S INSTRUCTIONS

1. Write your name, School, Assessment Number and the exam date in the spaces provided above.
2. Answer all the questions in this paper.
3. Any rough work must be done in this paper.
4. All your answers must be written in the spaces provided in the question pap
5. Writing and giving relevant examples is highly recommended.
6. It's highly recommended to draw illustrations when explaining a concept.
7. Learners should check the question paper to ascertain that all the pages ar printed as indicated and that no questions are missing.
8. Your answers must be clearly written (Legible) and well organized.
9. Use blue or black pens when writing answers and a pencil when drawing.
10. Learners must answer the questions in English.

SECTION A

1. Write the following numbers in words

(a) 89,567,985. (1mk)

Eighty nine million,five hundred and sixty seven thousand,nine hundred and eighty five

(b) 3 597 865 336 (1mk)

Three billion,five hundred and ninety seven million,eight hundred and sixty five thousand three hundred and thirty six

2. Work out: (3mks)

$\frac{1}{2}+\frac{1}{6}of(\frac{13}{18}-\frac{5}{9})\div\frac{1}{3}$

$$\frac{7}{12}$$

3. Find the L.C.M of the following numbers. (4mks)

(a) 20,30 and 40

120

(b) 28,63 and 100

6300

4. Patrick spent 2/5 of his salary on food, 1/3 of the remainder on electricity and saved the rest.

(a) What fraction of his salary did he save? (2mks)

$$\frac{2}{5}$$

(b) If he spent sh.1200 on food, how much did he spent on electricity?

(3mks)

600

5. Work out: (4mks)

(a) 3(75+32)+5(35+60)-40

756

(b) $\frac{1444+(16\times5)-40}{200}$

7.42

6. Test whether the following numbers are divisible by 3.

(a) 659 (1mk)

Not divisible

(b) 942381 (1mk)

Not divisible

(c) 24831 (1mk)

divisible

7. Three tanks are capable of holding 36, 84 and 90 litres of milk. Determine the capacity of the greatest vessel which can be used to fill each one of them an exact number of times.

(3mks)

8. Use a number line to evaluate the following. (2mks)

(a) (-3)-(+5)

=-8

(b) (-7)+(+9)

=2

9. The temperature of a patient admitted to a hospital with fever was 42°C.After treatment, his temperature settled at 36.8°C.Find the change in temperature.

(2mks)

-5.2^0c

10. Without using a calculator, evaluate: (3mks)

$$\frac{-2(5+3)-9\div3+5}{-3\times-5+-2\times4}$$

=-2

11. Convert the following fractions into a decimal. (2mks)

(a) $2\frac{6}{7}$

2.857142857

(b) $\frac{3}{8}$ 0.375

12. Arrange the following fractions in descending order. (4mks)

(a) $\frac{13}{15}, \frac{2}{3}, \frac{7}{8}, \frac{4}{5}$

(b) $\frac{4}{9}, \frac{7}{18}, \frac{1}{2}, \frac{2}{5}$

13. Solve the following: (4mks)

(a) $7\frac{2}{3}+6\frac{3}{5}+11\frac{5}{6}$

(b) $3\frac{1}{6}-2\frac{1}{3}+\frac{7}{12}$

14. A car consumes $8\frac{5}{8}$ litres of fuel to cover $51\frac{3}{4}$ km. What average distance does it cover for every litre?

(2mks)

15. Solve the following: (4mks)

(a) $7\frac{2}{3}+6\frac{3}{5}+11\frac{5}{6}$

(b) $3\frac{1}{6}-2\frac{1}{3}+\frac{7}{12}$

16. Convert the following recurring decimals to fraction. (2mks)

(a) $0.\dot{7}\dot{3}$

(b) $0.\ddot{1}5$