JUNIOR SCHOOL ASSESSMENT
GRADE EIGHT - YEAR 2024
MATHEMATICS.
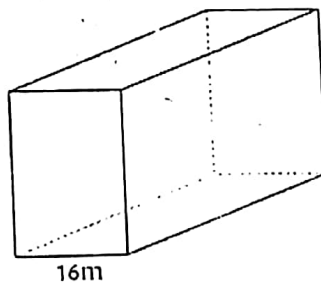
NAME_____

SCHOOL: _____ ADM NO: _____ DATE:_____

Questions																					Total
Maximum score																					
Candidate's score																					
Performance scale																					

1. Write in symbols: Eleven million, eight hundred and sixty thousand, one hundred and twenty (1mk)_____

2. What is the difference between the total value of digit 7 and the total value of digit 3 in the number 678324? (2mks)

3. Kilifi County has 1893206 registered voters. Round off the number of registered voters to the nearest million (1mk)

4. What is the sum of prime numbers between 20 and 40 (2mks)

5. What is the volume of the cube below? (2mks)

16m

6. A grade 7 learner drew a rectangle and a square. The rectangle had a length of 32 cm and width of 8 8cm. the rectangle had the same area as the square. What is the perimeter of the square? (2mks)

7. Work out (2mks)

a) $^2/_7 \times ^3/_8$

b) $\dfrac{5}{6} \times \dfrac{7}{9}$

8. Fill in the missing numbers 2mks

a) _____, 16, 36, 64, 100

b) 51, 68, 85, _____

9. A trade had 3 bags of sugar weighing 24kg, 36kg and 60 kg. he packed the sugar into smaller packet of the same mass. What was the mass of the sugarcane in each packet? (2mks)

10. A farmer sold 8 cows for sh. 1.200,000. How much did he sell each cow? (2mks)
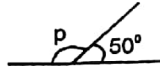
11. Subtract $3\dfrac{1}{2}$ from $6\dfrac{1}{4}$ (2mks)

12. Arrange the following fractions in ascending order (2mks)

$\dfrac{5}{8}, \dfrac{1}{2}, \dfrac{2}{3}, \dfrac{3}{4}$

Grade

13. Calculate the value of the angle marked P (1mk)

$$P \quad 50°$$

14. Rono travelled 50km 670m by bus and 136km 830m by train. What is the distance travelled by Rono? (2mks)

15. A bicycle wheel has a diameter of 70cm. What is its circumference? (1mk)

$\delta = \frac{22}{7}$

16. A school has 1500 pupils, 450 pupils are in lower primary. What percentage of pupils is in the upper primary? (2mks)

17. Solve the equations below (2mks)

a) $\frac{1}{3}w = 9$

b) $5x - 3x = 10$

18. Convert 0.12 into a percentage (1mk)

19. During a field walk, grade 6 learners saw the following shapes
   a)   Cube
   b)   Square base pyramid
   c)   Triangular base pyamid
   The used the shapes to count the number of faces, edges and vertices
   Complete the table below

shape	faces	edges	Vertices
Cube	6	_____	
Square base pyramid	5	_____	5
Triangular base pyramid	_____	_____	4

Grad

20. An empty truck has a mass of 10 tonnes. The truck carried 450 bags of wheat. Each bag of wheat weighed 80kg. What is the total mass, in tonnes of the loaded ruck? (2mks)

21. A meeting started at 11: 30am and finished at 1500h. how long did the meeting take? (2mks)

22. A bus and matatu were to transport guests to a conference. The bus can carry 32 guests while the matatu can carry 14 guests. Both vehicles made a number of 5 trips each. How many guests attended the conference?

23. Use the inequality sign <, or > to make the following statements true
   a)   0.5li _____ 500ml

   b) $\frac{3}{4}$kg _____ 500g

   c)   0.01 _____ $\frac{1}{10}$

24. Kigen had the following
   1000shilling note
   3 five hundred shilling notes
   2 two hundred shilling notes
   He changed the amount into fifty shilling notes. How many notes was he given? (2mks)

25. Jeptoo bought a tray of eggs at sh 450. 5 eggs broke. She sold the remaining at sh 30 each. How much profit did she make? (3mks)