

JUNIOR SCHOOL ASSESSMENT TEST

GRADE EIGHT -2025

MATHEMATICS

**PIONEER MARK
SERIES**

Name: _____

School: _____ ADM No. _____ Date: _____

ASSESSMENT RUBRIC: PERFORMANCE LEVEL

| Exceeding expectation | Meeting expectation | Approaching expectation | Below expectation | Total score (%) |
|-----------------------|---------------------|-------------------------|-------------------|-----------------|
| | | | | |

1. Use a number line to evaluate $-8 + 6$ (2 mks)

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

3. Convert $4\frac{3}{5}$ into decimals. (2 mks)

4. Kamau was reading a novel that had 400 pages. He read $\frac{1}{5}$ of the pages on day one and $\frac{3}{10}$ of the remainder on day two. How many pages were left by the end of day two? (3 mks)

5. Evaluate ;

$$1.4 + 3.2 \times 0.8 - 2.7 \div 0.9 \quad (3 \text{ mks})$$

6. Find the squares of the following numbers from mathematical table .

a) 5.4398 (1 mk)

b) 6.004 (1 mk)

7. The ratio of male teachers to female teachers in a school is 3:2 . If there are 12 male teachers in the school , how many female teachers are there ? (3 mks)

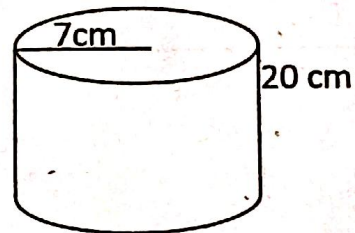
8. Identify numbers that are divisible by 9 from the following groups.

18432, 39584, 132849, 426,756.

(3 mks)

9. Find the volume of the cylinder below .

(3mks)

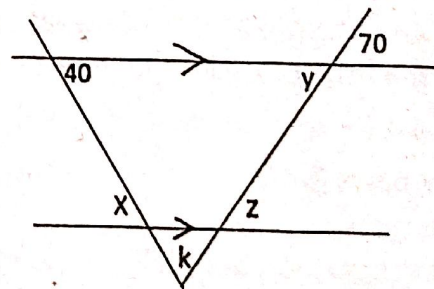


10. Convert 47°C to kelvin. (1 mk)

11. Joyce bought goods worth sh.25000. she later sold the goods for sh 28000. what percentage profit did she make. (3 mks)

12. Janniffer a sales lady is paid a basic salary of sh 12,000. she is also given 12% commission of the value of sales made. in one month, she sold goods worth sh.60,000. How much money did she earn that month. (3 mks)

13. Find the value of the angles. (4 mks)



14. The table below shows the number of patients who recovered from covid 19 in a certain hospital in four days .

draw a pie chart to represent the above information . (4 mks)

| Days | sun | mon | tue | wed |
|-----------------|-----|-----|-----|-----|
| No. of patients | 25 | 30 | 15 | 20 |

15. Kimani bought the following items; 3 tilapia fish @sh.200, 2 kg of tomatoes for sh. 70, $1\frac{1}{3}$ kg of onions for sh.100, 2 pawpaws @ 80, 10 oranges at 15 per orange.

a) Prepare kimani's bill. (2 mks)

b) How much did she pay for the items. (2 mks)

c) If kamau had three five hundred shillings notes, how much money did she remain with? (2 mks)

16. Convert 108km/h to m/s. (2 mks)

a. Find the perimeter of the figure.

