



B.K. BIRLA CENTRE FOR EDUCATION

SARALA BIRLA GROUP OF SCHOOLS
A CBSE DAY-CUM-BOYS' RESIDENTIAL SCHOOL



PRE-MID TERM-2025-26 MATHEMATICS (041) QUESTION PAPER

Class: VIII
Date: 04/08/2025
Admission no:

Time: 1hr
Max Marks: 25
Roll no:

General Instructions:

1. All Questions are compulsory.
2. There are 13 questions.

I. CHOOSE THE CORRECT ALTERNATIVE IN THE FOLLOWING. 5

1. The product of non – zero rational number and its reciprocal is
a) 0 b) 1 c) -1 d) none of these
2. $\frac{6}{5} \times \frac{7}{11} = \frac{7}{11} \times \frac{6}{5}$, the property used is
a) multiplicative identity b) multiplicative inverse c) commutative d) none of these
3. The solution of the equation , $2(x - 5) = x - 4$ is
a) 6 b) 7 c) -2 d) no solution
4. The solution of $\frac{y}{5} = \frac{10}{1}$ is:
a) 15 b) 10 c) 50 d) 5
5. The degree of linear equation is
a) 1 b) 2 c) 3 d) 4

II. SOLVE THE FOLLOWING

6. Simplify: $\frac{3}{7} + \frac{6}{21} + \frac{5}{3}$ 2
7. Name the property under multiplication used in the following. 2
i) $\frac{-4}{5} \times 1 = 1 \times \frac{-4}{5}$ ii) $\frac{-13}{21} \times \frac{-2}{7} = \frac{-2}{7} \times \frac{-13}{21}$ iii) $\frac{-19}{29} \times \frac{29}{-19} = 1$
iv) For any three rational numbers a, b and c , $a \times (b \times c) = (a \times b) \times c$
8. Solve and check your result. $5x + 9 = 5 + 3x$ 2
9. Solve : $2x - 1 = 14 - x$ 2
10. Simplify: i) $\frac{-25}{21} \times \frac{7}{24}$ ii) $\frac{-11}{3} \times \frac{-27}{88}$ iii) $\frac{8}{5} \div \frac{4}{5}$ 3

11. Simplify: $\frac{3}{5} \times \left[\frac{7}{12} + \frac{3}{4} \right]$ **3**

12. Solve for x : $3(x - 3) = 5(2x + 1)$ **3**

13. Solve the linear equation: $15(y - 4) - 2(y - 9) + 5(y + 6) = 0$ **3**
