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(Affiliated to CBSE up to +2 Level)

CLASS: X

SUB.: MATHS (NCERT BASED)

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REVISION (RATIONAL NUMBERS)

1. Fill in the blanks:

- (i) The product of a number and its product is _____.
- (ii) The rational number _____ has no reciprocal.
- (iii) The reciprocal of the reciprocal of a number is _____.
- (iv) The rational number _____ is neither positive nor negative.
- (v) _____ is the only rational number which is equal its additive inverse.
- (vi) _____ is the identity for the addition of rational numbers.

2. Write three rational numbers occurring between $\frac{1}{3}$ and $\frac{4}{5}$.

3. Multiply the negative of $\frac{2}{3}$ by the inverse of $\frac{9}{7}$.

4. What should be added to $-\frac{16}{3}$ to make it $\frac{1}{9}$?

5. What should be subtracted from $\frac{5}{8}$ to make it -1 ?

6. Write different properties of a rational number.

7. Represent $\frac{3}{4}$ and $\frac{8}{9}$ on a number line.

8. Find the greater of the two $-\frac{12}{5}$ and $\frac{4}{9}$

9. Multiply the negative of $\frac{29}{2}$ by its inverse.

10. Write a rational number equivalent to $\frac{9}{10}$ having 90 as numerator.

11. Write a rational number equivalent to $\frac{18}{29}$ having 87 as denominator.