

MATHEMATICS

CLASS – VIII

Chapter-1

Rational Numbers(B)



ZERO PERIOD

We Believe in Learning

1. Compare: $\frac{-8}{9}$ and $\frac{4}{-5}$
2. Arrange $\frac{-4}{5}$, $\frac{9}{-15}$, $\frac{-2}{3}$ in ascending order.
(a) $\frac{-6}{7}$ (b) $\frac{7}{4}$
3. Find ten rational numbers between $\frac{-3}{5}$ and $\frac{-3}{4}$
4. Simplify: $\frac{2}{5} + \frac{8}{3} + \frac{-11}{15} + \frac{4}{5} + \frac{-2}{3}$
5. Evaluate: $\frac{7}{20} + \frac{17}{-45} + \frac{-11}{-30} + \frac{-8}{15}$
6. If the sum of two rational numbers is -3 and one of them is $\frac{-11}{5}$, find the other one.
7. What number should be added to $\frac{-4}{7}$ to obtain $\frac{5}{9}$?
8. What number should be subtracted from $\frac{-7}{11}$ to get -2 ?
9. By what rational number should $\frac{-15}{56}$ be divided to get $\frac{-5}{7}$?
10. By what rational number should $\frac{-7}{85}$ be multiplied to get $\frac{1}{17}$?
11. What should be subtracted from $(\frac{3}{4} + \frac{1}{3} + \frac{2}{5})$ to get $\frac{1}{2}$?
12. Simplify: $(\frac{-6}{7} \times \frac{-28}{18}) + (\frac{-11}{13} \times \frac{65}{22})$
13. Simplify
(a) $(-36) \times (\frac{-35}{76}) \times \frac{19}{15} \times (\frac{3}{-2})^{-1}$
(b) $\frac{-3}{8} \times (\frac{4}{7} + \frac{-11}{7})$
14. What is the perimeter of a quadrilateral whose four sides are $2\frac{1}{6}$ cm, $3\frac{3}{4}$ cm, $4\frac{5}{12}$ cm and $3\frac{1}{2}$ cm
15. The area of a parallelogram is $12\frac{1}{4}$ cm². If its height is $1\frac{6}{7}$ cm, find its base.