

(Rational Numbers)

1. Define Rational Numbers , with two examples .
2. Is 0 is a rational number ? Why or why not ? Explain with suitable example .
3. Write all properties of rational numbers.
4. Find the multiplicative inverse of
 - (a) $-\frac{7}{10}$
 - (b) $\frac{12}{23}$
5. The product of two rational numbers is -7 . If one of the numbers is -5 , find the other.
6. Find 5 rational numbers between $-\frac{7}{8}$ and $\frac{6}{8}$.
7. Represent $\frac{9}{11}$ on a number line.
8. Find the product of $\frac{3}{8}$ and the reciprocal of $-\frac{5}{17}$.
9. For rational numbers $\frac{a}{b}$, $\frac{c}{d}$ and $\frac{e}{f}$ we have $\frac{a}{b} \times (\frac{c}{d} + \frac{e}{f}) =$ _____ + _____ .
10. By using appropriate properties, simplify : $\frac{2}{5} \times (\frac{-3}{7}) - \frac{1}{6} \times \frac{3}{2} + \frac{1}{14} \times \frac{2}{5}$.