Ch-1 Real Nos.

- Fundamental Theorem of Arthematic –
  Every composite no. can be factorized and expressed as a product of primes. This factorization is unique apart from the order in which the prime factors occur.
- For any 2 +ve integers a & b,

$$\boxed{HCF(a,b) \times LCM(a,b) = a \times b}$$

- Please note that this rule doesn't apply on the group of three numbers.
- Numbers like $\sqrt{2}$, $\sqrt{3}$ are irrationals
- For any 3 numbers - p, q, & r.

$$\boxed{LCM(p,q,r) = \frac{p \cdot q \cdot r \cdot HCF(p,q,r)}{HCF(p,q) \cdot HCF(q,r) \cdot HCF(p,r)}}$$

and vice versa.