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## Combination in algebra

- Collection of objects without any regard to arrangement

## Theorem of combination of objects in algebra

The total number of combination of 'n' objects taken 'r' at a time is given by

$$C(n, r) = \frac{n!}{(n-r)!r!}$$

## Expression for combination of objects in algebra

$$C(n, r) = \frac{n!}{(n-r)!r!}$$