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## Contents

Combination in algebra . . . . .	2
Theorem of combination of objects in algebra . . . . .	2
Expression for combination of objects in algebra . . . . .	2

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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**

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