

CLASS 11

MATHS

REVISION NOTES

Class 11 Maths Chapter 6 Permutations and Combinations – Revision Notes

Quick revision notes for Class 11 Maths Chapter 6 (Permutations and Combinations). These Class 11 Maths Chapter 6 notes are ideal for quick revision just before exams.

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Fundamental Counting Principle

$m \text{ ways} \times n \text{ ways} = m \times n \text{ ways (combined events).}$

Factorial

$n! = n \times (n-1) \times \dots \times 1; 0! = 1.$

Permutations (order matters)

${}^n P_r = n! / (n-r)!.$

Combinations (order doesn't matter)

${}^n C_r = n! / [r!(n-r)!].$

Relationship

${}^n P_r = {}^n C_r \times r!.$

One-Line Summary

Permutations count ordered arrangements while combinations count unordered selections, related by ${}^n P_r = {}^n C_r \times r!$, both built on the factorial and fundamental counting principle.

Class 11 Maths Chapter 6 – Solutions and Important Questions

Need full answers or more practice? See the [Class 11 Maths Chapter 6 Solutions](#) and [Class 11 Maths Chapter 6 Extra Questions](#).

See also: [Chapter 2](#) | [Chapter 3](#) | [Chapter 4](#) | [Chapter 5](#) | [Chapter 6](#)

Practice more: [Chapter 2](#) | [Chapter 3](#) | [Chapter 4](#) | [Chapter 5](#) | [Chapter 6](#)

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