

CLASS 11

MATHS

REVISION NOTES

Class 11 Maths Chapter 7 Binomial Theorem – Revision Notes

Quick revision notes for Class 11 Maths Chapter 7 (Binomial Theorem). These Class 11 Maths Chapter 7 notes are ideal for quick revision just before exams.

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Binomial Theorem

$$(a+b)^n = \sum^n C_k a^{n-k} b^k, k=0 \text{ to } n.$$

General Term

$$T_{k+1} = {}^nC_k a^{n-k} b^k.$$

Properties

$n+1$ terms total.

Symmetric: ${}^nC_k = {}^nC_{n-k}$.

Sum of coefficients = 2^n .

Pascal's Triangle: each entry = sum of two above.

Middle Term

n even: 1 middle term $((n/2)+1)$ th.

n odd: 2 middle terms.

One-Line Summary

The binomial theorem expands $(a+b)^n$ using binomial coefficients (from Pascal's Triangle), with the general term formula allowing any specific term to be found directly without full expansion.

Class 11 Maths Chapter 7 – Solutions and Important Questions

Need full answers or more practice? See the [Class 11 Maths Chapter 7 Solutions](#) and [Class 11 Maths Chapter 7 Extra Questions](#).

See also: [Chapter 2](#) | [Chapter 3](#) | [Chapter 4](#) | [Chapter 5](#) | [Chapter 6](#) | [Chapter 7](#)

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