

BINOMIAL THEOREM FORMULA

A Binomial is a two-term algebraic expression, and the binomial theorem is a binomial force that can't be extended by using algebraic identities. This concept of the binomial theorem is relevant in practical life as well. On this page, you will find its meaning, practicality, formulas, etc. You will also find a worksheet at the end of this page that will help you improve your mathematical skills.







Q1: What is the formula for the binomial theorem?

A: (a + b)^n B: a^2 + 2ab + b^2 C: a^n - b^n D: a^n + b^n

Q2: How many terms are there in the expansion of (a + b)ⁿ?

A: n B: n + 1 C: 2n D: 2n + 1

Q3: What is the binomial coefficient for the term (a + b)^5 when n = 3?

A: 10 B: 20 C: 30 D: 5

Q4: What is the meaning of the binomial theorem?

- A: Geometry concept
- **B:** Binomial distribution
- C: expansion of binomial expression
- D: both B and C

Q5: Binomial theorem can't be used for larger expression or power calculation?

A: True

- B: False
- C: Partial true
- D: Not agree



Q6: What is the meaning of 'n'?

A: n is the success probability

B: n is the rate of observations

C: n is the fixed number of observations

D: none of the above

Q7: Is Binomial useful in daily life?

A: Yes B: No

Q8: Where is the usefulness of the Binomial theorem?

A: Computer science B: Physics C: Both A and B D: Only A

Q9: What are the general mistakes in the binomial theorem that students commit?

- A: Avoid multiplications or addition
- B: Confuse with formulas
- C: Confuse with value
- D: All of the above

Q10: What is the binomial theorem about?

A: Multiplications over addition B: Addition over multiplications C: Only B D: Both A and B





Answers

- **Q1:** A (a + b)^n
- **Q2:** B n + 1
- **Q3:** A 10
- Q4: D both B and C
- Q5: B False
- Q6: C n is the fixed number of observations
- **Q7:** A Yes
- Q8: C Both A and B
- Q9: D All of the above
- Q10: A Multiplications over addition