



Binomial Theorem - Polynomial with Variable, Theorem and Power to Value



1 Find the term containing t^1 in the expansion of this expression.

$$(t + x)^4 = \sum_{k=0}^4 \binom{4}{k} t^{4-k} x^k$$

A	B	C
1	4	6

2 Find the term containing m^1 in the expansion of this expression.

$$(m + p)^5 = \sum_{k=0}^5 \binom{5}{k} m^{5-k} p^k$$

A	B	C
5	1	10

3 Find the term containing r^2 in the expansion of this expression.

$$(r + p)^3 = \sum_{k=0}^3 \binom{3}{k} r^{3-k} p^k$$

A	B	C
1	2	3

4 Find the term containing r^3 in the expansion of this expression.

$$(r + y)^5 = \sum_{k=0}^5 \binom{5}{k} r^{5-k} y^k$$

A	B	C
10	5	6

5 Find the term containing r^2 in the expansion of this expression.

$$(r + w)^5 = \sum_{k=0}^5 \binom{5}{k} r^{5-k} w^k$$

A	B	C
4	5	10

6 Find the term containing x^3 in the expansion of this expression.

$$(x + m)^4 = \sum_{k=0}^4 \binom{4}{k} x^{4-k} m^k$$

A	B	C	D
1	3	6	4

7 Find the term containing w^2 in the expansion of this expression.

$$(w + m)^4 = \sum_{k=0}^4 \binom{4}{k} w^{4-k} m^k$$

A	B	C
6	3	4

8 Find the term containing q^4 in the expansion of this expression.

$$(q + w)^5 = \sum_{k=0}^5 \binom{5}{k} q^{5-k} w^k$$

A	B	C	D
5	1	4	10