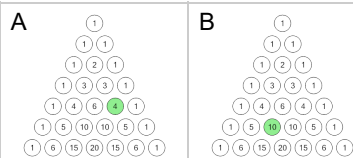


## Binomial Theorem - Polynomial with Integer and Power to Triangle Value

1

Using Pascal's triangle, find the binomial coefficient for the term containing  $x^2$  in the expansion of this expression. Select the coefficient (the triangle entry), not the full term.

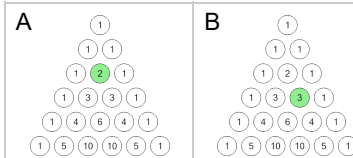
$$(x + 2)^5$$



2

Using Pascal's triangle, find the binomial coefficient for the term containing  $p^2$  in the expansion of this expression. Select the coefficient (the triangle entry), not the full term.

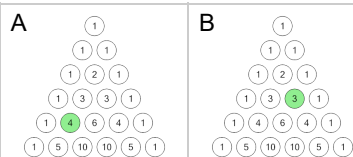
$$(p + 3)^3$$



3

Using Pascal's triangle, find the binomial coefficient for the term containing  $p^2$  in the expansion of this expression. Select the coefficient (the triangle entry), not the full term.

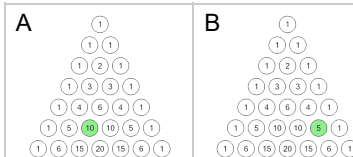
$$(p + 2)^4$$



4

Using Pascal's triangle, find the binomial coefficient for the term containing  $q^2$  in the expansion of this expression. Select the coefficient (the triangle entry), not the full term.

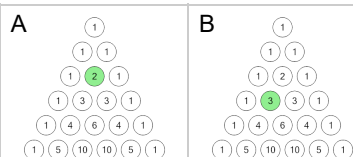
$$(q - 2)^5$$



5

Using Pascal's triangle, find the binomial coefficient for the term containing  $q^2$  in the expansion of this expression. Select the coefficient (the triangle entry), not the full term.

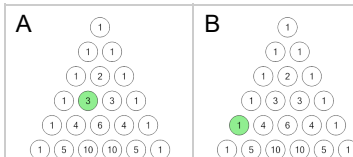
$$(q - 3)^3$$



6

Using Pascal's triangle, find the binomial coefficient for the term containing  $n^3$  in the expansion of this expression. Select the coefficient (the triangle entry), not the full term.

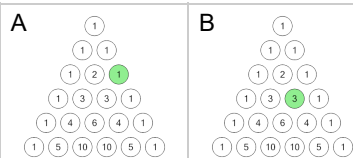
$$(n - 3)^4$$



7

Using Pascal's triangle, find the binomial coefficient for the term containing  $t^1$  in the expansion of this expression. Select the coefficient (the triangle entry), not the full term.

$$(t + 2)^3$$



8

Using Pascal's triangle, find the binomial coefficient for the term containing  $w^3$  in the expansion of this expression. Select the coefficient (the triangle entry), not the full term.

$$(w + 3)^5$$

