Pascal's Triangle



Binomial Expansion



Binomial Expansion



Binomial Expansion



 $\underline{-}\overline{0} + \underline{-}\overline{0} + \underline{-}\overline{0} + \underline{-}\overline{0} + \underline{-}\overline{0}$

But what happens when you are expanding something like $(x+y)^{18}$ and want the 3rd term. Well you can build the P's triangle out to the 18th level or... you can use a handy duty "short" cut to find the coefficient.