https://en.wikipedia.org/wiki/Pascal%27s_triangle#Combinations
C(n, k) But this is also the formula for a cell of Pascal's triangle.

https://www.mathsisfun.com/pascals-triangle.html

https://search.yahoo.com/search?fr=mcafee&type=E211US0G0&p=binomial+coefficients

https://study.com/academy/lesson/binomial-coefficient-formula-examples.html

References

Creativity problem solving
http://eds.a.ebscohost.com.csuglobal.idm.oclc.org/eds/detail/detail?vid=8&sid=9baa1b74-7d14-4f83-829e-b7e574eab050%40sdc-v-sessmgr01&bdata=JnNpdGU9ZWRzLWxpdmU%3d#db=eih&AN=8766964
Real world application

Basic textbook (article) reference of Pascal's triangle
http://eds.a.ebscohost.com.csuglobal.idm.oclc.org/eds/detail/detail?vid=10&sid=9baa1b74-7d14-4f83-829e-b7e574eab050%40sdc-v-sessmgr01&bdata=JnNpdGU9ZWRzLWxpdmU%3d#db=aph&AN=53382431

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