

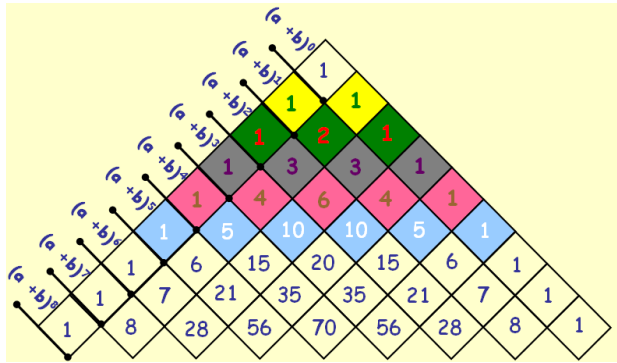
Lesson 12: Expanding Brackets using Pascal's Triangle.

Resources:

- Pascals numbers and expanding brackets PowerPoint
- Pascals numbers and expanding brackets worksheet

Part 1

The first slides derive Pascal's Triangle by expanding brackets and writing out the coefficients. A demonstration of how Pascal's Triangle can be used to give coefficients of larger powers is then given.



Part 2

Looks at using ${}^n C_r$ to find more coefficients in the triangle.

Part 3

Pelmanism matching task, where students are asked to match the coefficients to their ${}^n C_r$ expressions. Clicking on the squares uncovers the coefficient/expression, and clicking on the blue circles covers them up again.

The worksheet supports the teacher led activities.