

Problem 2 – Triangles

Draw six points on the circumference of a circle. How many triangles can you make by connecting three of them?

Problem 1 – Rooms

How many routes are there through this block from the top left room to the bottom right?
(You can only travel down and right.)

Start			
			End

Problem 3 – Expanding Brackets

What is the coefficient of x^3 in $(x+1)^6$?

Problem 4 – Teams

How many ways can you split six people into two teams of three?