

Latice Paths -> Let them draw the lattice paths on their own in groups. -> Count the strings together Question D: How many ways can you go from the SW corner to the NE corner of a 2×3 grid, only traveling in N and E "steps." Ex: When we get to "n choose m," return to this exercise. Ask them to count the number of such paths. Non-EX: Question 2: How long is each of these paths, in number of steps? (secret following question. Let them think about this first before divelging: How many of those steps were 1's? O's?) Question 3: How many "strings" of O's and I's one there, if we require 30's and 2 1's? Clarification: A "string" is a list of 0's and and 1's, such as 01001 or 00110 To make this task some chat faster, do like 3 examples together, so they only have to come up with 7. Also consider doing this task as a larger group Question (): How long are these strings? Question (): Can you think of a pairing between paths and strings?? Check your answer with a 2x2 grid. Question (6): Make a prediction for 3×4. What world that paining. Look like? (DO NOT COUNT)