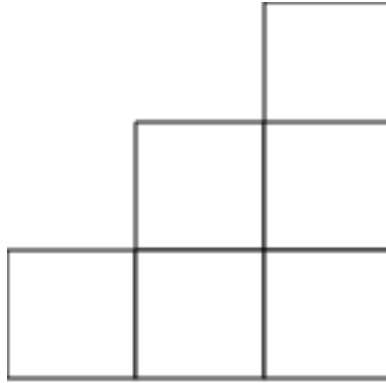


Growing Staircases

Level B



This is a staircase that has three steps. Draw the blocks in the diagram to make the fourth step.

How many blocks in all are needed to make a staircase with five steps?

How many blocks does it take to build just the twelfth step in a staircase with twelve steps?

How many blocks in all are needed to make a staircase of ten steps?

A staircase has 105 blocks. How many steps does it have?

Explain your answers.

