







Molly clambers off the Impossible Staircase. She's glad she found a way out of that! Phew...

Now she's in a huge garden full of winding paths. It's some kind of maze! From her starting point, Molly can see a bright triangular flower bed; a patterned pond of swimming fish; and a strangely-shaped sculpture. But where is the way out?

On the far side of the garden is a dramatic-looking house. That must be where Molly needs to go next. But none of the paths seem to lead there. Perhaps opening the next note will give Molly a clue...



Tiling shapes

Sometimes shapes fit together to make other shapes. In this maze, six triangles fit together to make a hexagon. The triangles are special ones where all three sides are the same length: these are called equilateral triangles.

Equilateral triangles (fit together perfectly like pieces of a jigsaw. This is called tessellation. It means they're a good building block for creating other shapes, including bigger triangles and stars – you could even use them to completely cover a flat surface, known as tiling the plane. What other shapes could you make with an equilateral triangle, and what other shapes could you use to tile a plane?



made up of six tiled triangles. How many other tiling shapes can you find in the garden?

