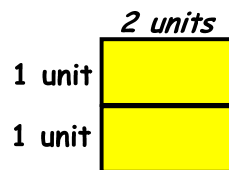


## Follow the Yellow Brick Road

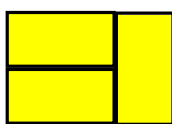
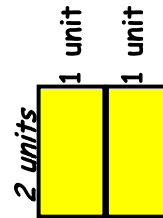
When Dorothy wanted to visit the Wizard of Oz she was told to 'follow the yellow brick road'.



The road is made of rectangular tiles  $2 \times 1$  in size and is **2 units wide**



both of these paths are 2 units long and 2 units wide



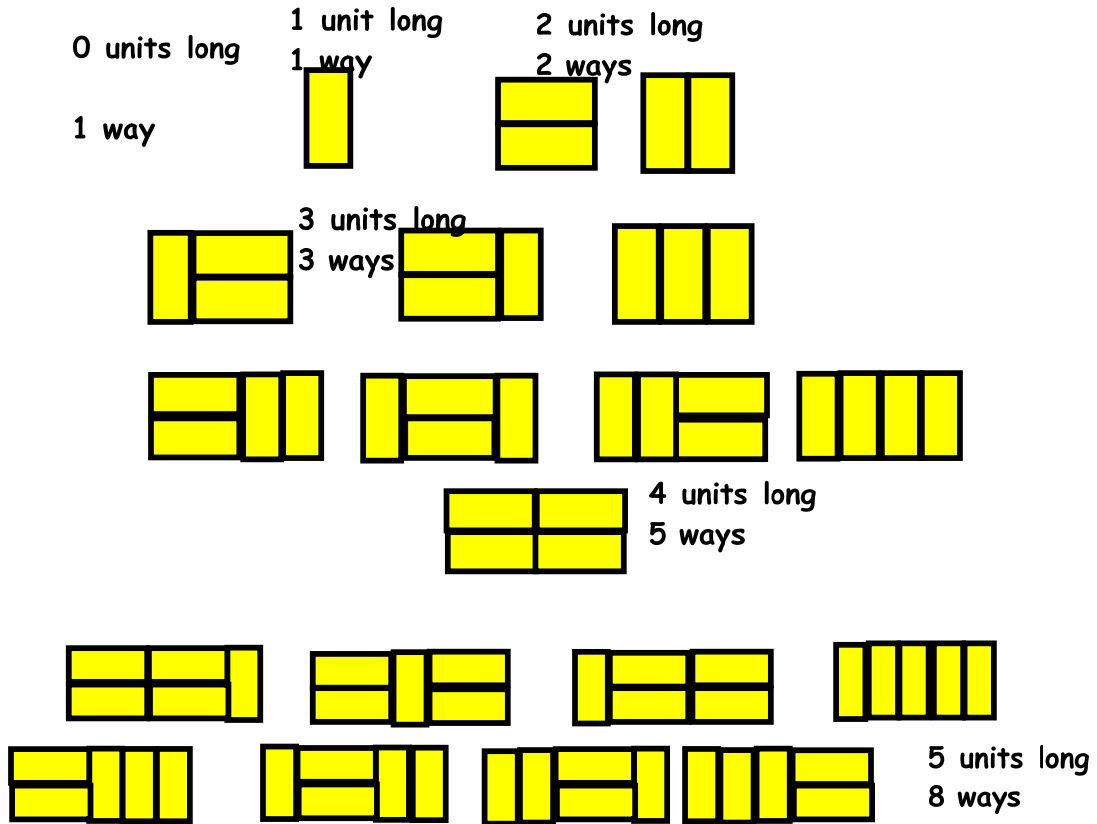
This path is 3 units long. How many other ways are there to make a path 3 units long?

Investigate ways of laying the tiles to make paths of different lengths. Every path is 2 units wide. Look for a pattern in your answers

### Learning and Teaching Objectives

- Have a system for finding all possibilities
- Organise the recording of possibilities (drawings, ordered list, table)
- Describe a rule of a pattern or relationship in words or symbols

Follow the Yellow Brick Road Solution



Pattern: 1, 1, 2, 3, 5, 8, .....