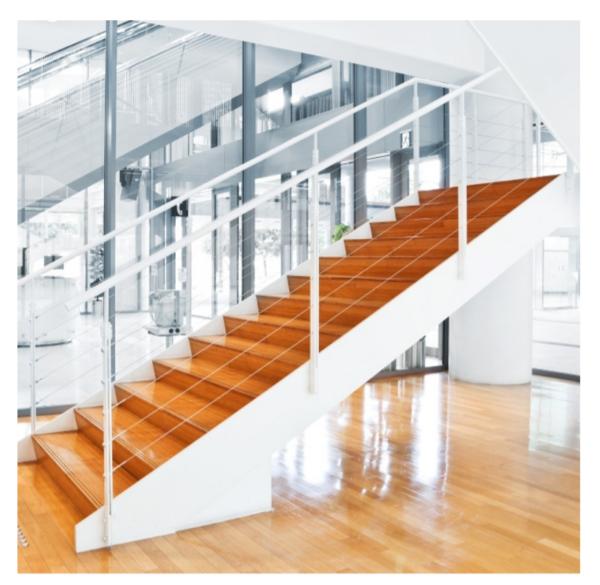
NRICH promotes ... Resilience & Determination



1 Step, 2 Step





Liam's house has a staircase with 12 steps. He can go down the steps one at a time or two at a time.

For example, he could go down 1 step, then 1 step, then 2 steps, then 2, 2, 1, 1, 1, 1.

In how many different ways can Liam go down the 12 steps, taking 1 or 2 steps at a time?

nrich.maths.org

Nine Colours





You have 27 small cubes, 3 each of nine colours.

Can you use all the small cubes to make a 3 by 3 by 3 cube so that each face of the bigger cube contains one of each colour?

nrich.maths.org

NRICH encourages students to engage with the challenge of learning mathematics, and to understand that perseverance is part of the process.

NRICH activities require students to:

- be determined, resilient and resourceful
- accept and embrace "being stuck" as a natural part of the problem solving process
- learn from both successes and failures and see setbacks as a necessary springboard to success

NRICH publishes a wide range of tasks which offer all students opportunities to struggle and opportunities to succeed.

