

Stacking coloured cubes

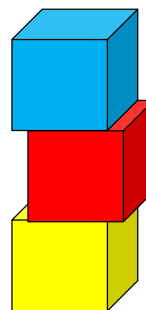
The Busy Lizzie Maths Library

Stacking coloured cubes

Nicola has three cubes.

She builds a tower with the cubes.

- What coloured cube is at the top of the tower?
- What coloured cube is at the bottom of the tower?

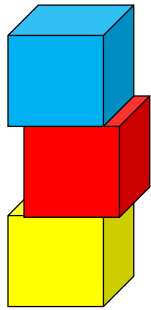


Choose three different coloured cubes.

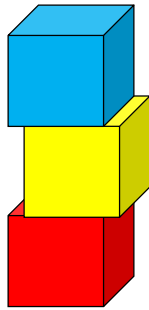
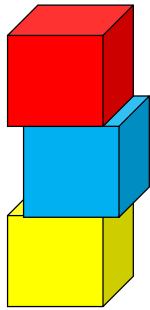
How many different tower arrangements can you make with three different coloured cubes? Think carefully about how you are going to record your work.

How many different ways can you find when using four different coloured cubes?

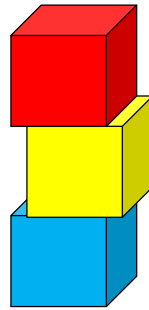
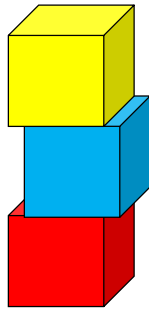
Possible solutions



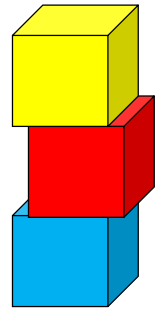
Yellow at the bottom



Red at the bottom

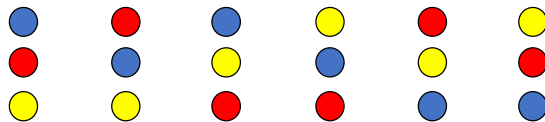


Blue at the bottom



Possible ways to record your results

Coloured spots or squares in your maths book.



You might want to use the first letter of each colour.

