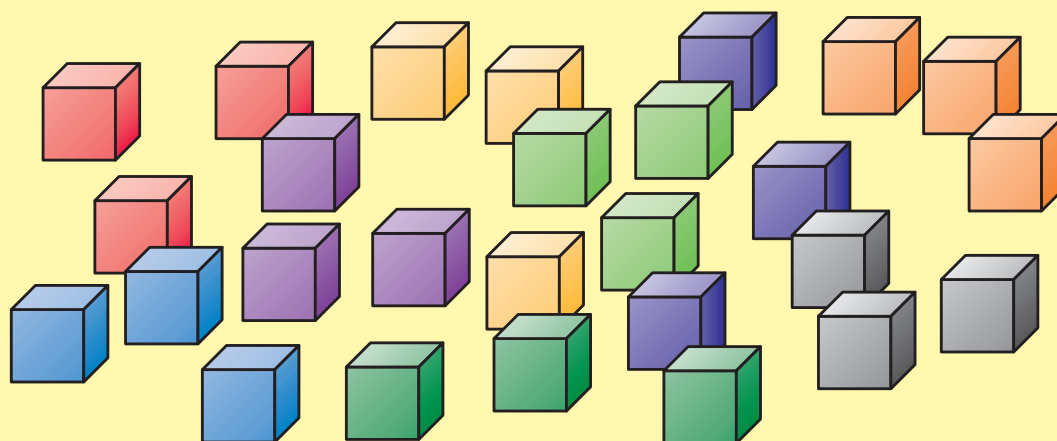# Nine colours

## Mixed methods

You have 27 small cubes, three each of nine colours. Use the small cubes to make a $3 \times 3 \times 3$ cube so that each face of the bigger cube contains one of each colour.