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 every colour?

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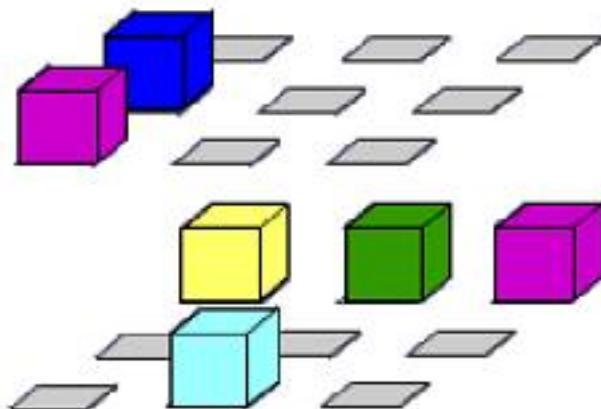
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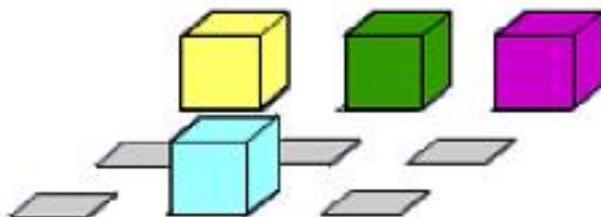
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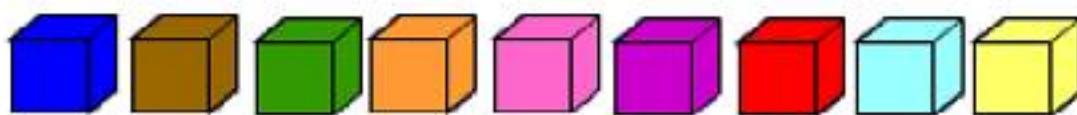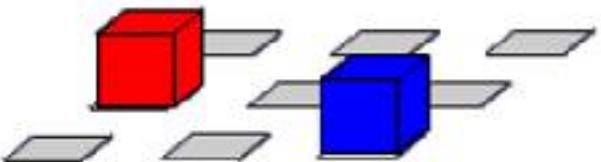
Thousands more problems can be found on the NRICH Maths website:

http://nrich.maths.org