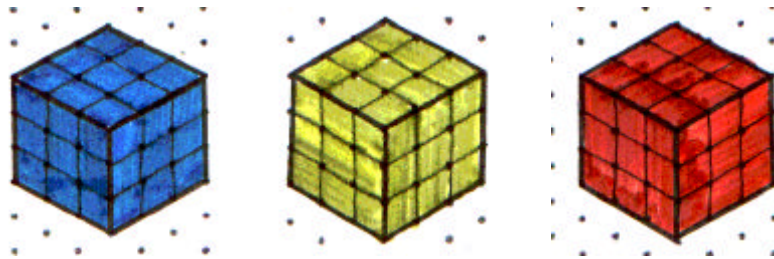


THE THREE COLORED CUBE

The 27 wooden cubes you have, have their faces painted in three colors, but all the cubes are not painted the same.

If you correctly place each cube, you will be able to arrange them forming a bigger cube with all of them (of three cubes of side) so that it is seen from the outside the colour you choose.



In order to get it you will have to analyze before the 27 cubes that you have and the cube that you are trying to build.

1. How many sides do you need to be painted of the chosen color?
How many sides are painted of that color in the 27 cubes?.
2. Considering the given answers to the previous questions, have all the painted faces of the chosen color to be visible?.
3. What position have to occupy the cubes that only have a painted face of the chosen color?; and those that only have two faces?; and those that only have three faces?. And the one that does not have any painted face of the chosen color?

YOU WILL NEED:

27 cubes with their faces painted in two or three colors.