Description of the task:
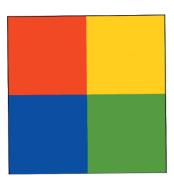
Let's look at the following square:

a) How many different colourings are there if we don't distinguish between cases that can be mapped onto each other by reflection or rotation?

b) How many different colourings are there if cases that can be mapped onto each other by reflection are distinguished, but rotated ones are not?

c) How many different colourings are there if we distinguish between cases that can be mapped onto each other by reflection or rotation as well?

Solution(s) of the task:

Remarks / Self-evaluation: