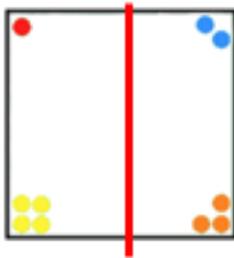


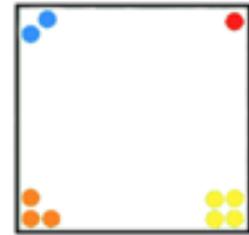
REFLECTION SYMMETRIES OF THE SQUARE

Did you know that “flip” and “reflect” is the same transformation?

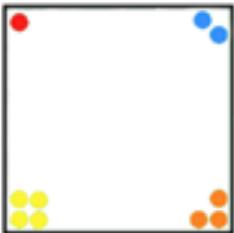
For example, we can flip, or reflect, the square across its vertical line of symmetry. Do you see how the permutation changes?



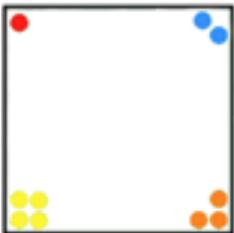
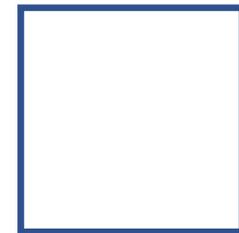
1234 \Rightarrow **2143**



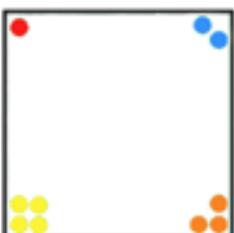
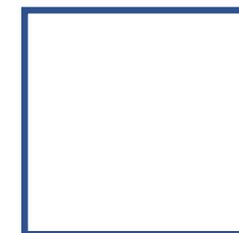
I think there are 3 more ways. Help me draw the remaining lines of symmetry and record the permutations.



1234 \Rightarrow _____



1234 \Rightarrow _____



1234 \Rightarrow _____

