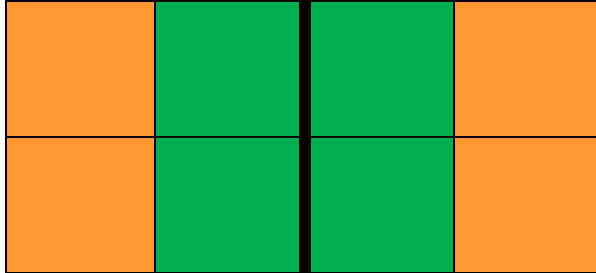


3. Using a minimum of two 2x2 Rubik's Cubes, ask students to place the cubes on each side of the line of symmetry on the paper so that they exhibit symmetry (teacher check). Discuss the figure as a whole and its components. Students may turn the cube in order to complete this task. Example:



4. Challenge students to use the same two cubes and colors and create symmetry a different way (ex. rotate) (teacher check).
5. Using a total of 4 cubes, create a new figure with symmetrical design.

Extension 1: Challenge students to see how many different symmetrical figures they can create with a certain number of cubes and/or colors.

Extension 2: Using a ruler and grid paper, design and draw a symmetrical figure that uses 2x2 Rubik's Cubes. Be creative with color, shape, patterns, etc. Include the line of symmetry (label) as well as the number of cubes that your figure would require. Color.

Notes to Teacher: Additional Symmetry Resources:

- Finding Lines of Symmetry by Illustrative Mathematics ([link](#))
- Symmetry Resource by the National Council of Teachers of Mathematics ([link](#))

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