TEXT FOR “CROSSING FLOWERS,” AN IMAGE FEATURING SYMMETRY AND COLOR

This image was created in Rectangle world, version Beta
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ELEMENTS OF SYMMETRY AND CHOICES OF COLOR: With a vertical axis extending straight across the center of the image, the red and blue flowers on each side of the frame can be reflected across onto each other. At the center point of the canvas is a large orange rectangle turned 90 degrees. Each flower is made up of a yellow rectangle with sides of uniform length, made by multiplying the width by two, surrounded by 12 red or blue rectangles that form the petals that overlap the edges of the yellow square. To paint the stem and leaves, move the painter back 2 lengths and draw a green rectangle, turn the painter 90 degrees, and paint another green rectangle. The flowers at the lower right and left corners of the canvas are rotated 180 degrees.

REFLECTION ON THOUGHT PROCESSES OF CREATION: Although the flower designs are made up of the same types of rectangles, the petals of the flowers on the top half of the canvas are blue while the flowers on the bottom half of the canvas have red petals. The mind can easily imprint a line down the middle of the canvas across which the two sides of the image can be reflected, helped by the central orange “table.”

IDENTIFYING A THEME AND PRODUCING VARIATIONS: Change the color of the petals on the flowers. Alternate the existing colors so that the red and blue flowers are set diagonally, creating a different symmetry. Decrease or increase the number of petals on the flowers. Change the rotation of the flowers and the angles at which they are situated.