Making the Cube

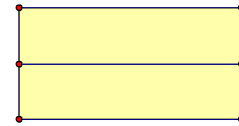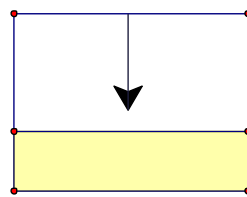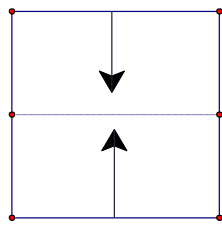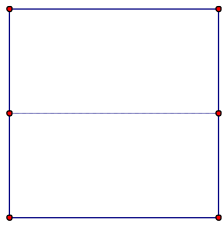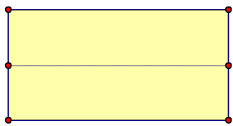1. Start with a square with the white side facing up.
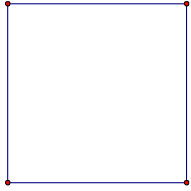
2. Fold the square in half, color out.
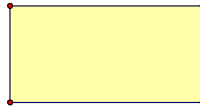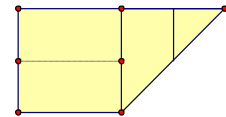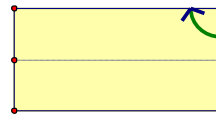
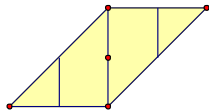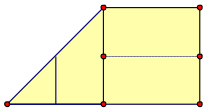3. Open up the paper, color down and fold the two edges to the fold line.

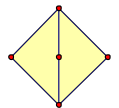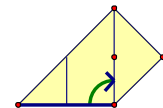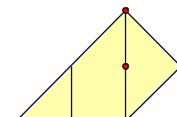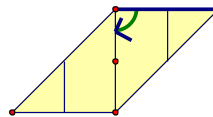4. Flip the paper over so that the open edges are against the table, and the fold line is visible.

5. Map the right edge to the top edge through the upper right vertex.

6. Rotate 180 degrees and do the same thing.

7. Map the top edge of the parallelogram to the vertical line segment formed by the folds.

The two right triangles formed are the connectors and they connect into the flaps formed on the one side.

triangle connector

opens to form pockets

triangle connector

triangle connectors slide in from both directions to form 4 congruent right triangles (three colors)

Aapted from Macomb Mathematics Science Technology Center