

Patty Paper Activities

Materials. Scissors and squares of paper (Patty paper or tissue paper)

Activity 1. One axis of symmetry.

Fold square in half to form a mid parallel (figure 1a). With the square folded, use the scissors to cut triangles or other shapes along the fold and along the borders (figure 1b). Predict what the paper will look like when you open it (figure 1c).

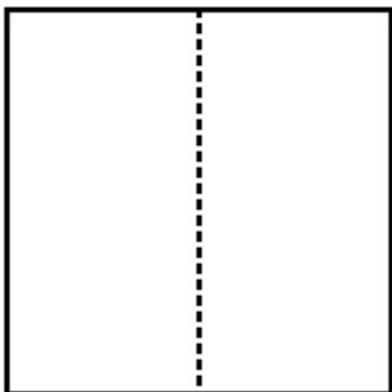


Fig. 1a. Square with mid parallel fold

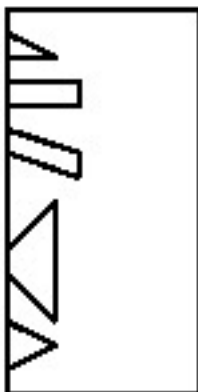


Fig. 1b. Cuts along fold

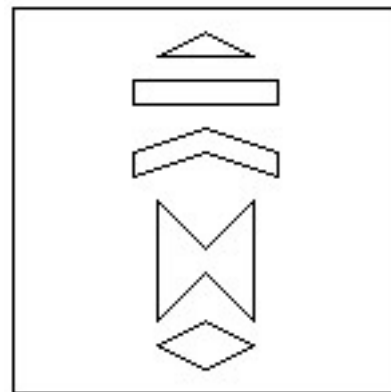


Fig. 1c. One axis of symmetry

Activity 2. Two axes of symmetry.

Fold a new square in half to form a mid parallel, and in half again so that the second fold is perpendicular to the first (figure 2a). With the square folded in four parts, use the scissors to cut triangles or other shapes along the folded creases or along the borders (figure 2b). Predict what the paper will look like when you open it (figure 2c).

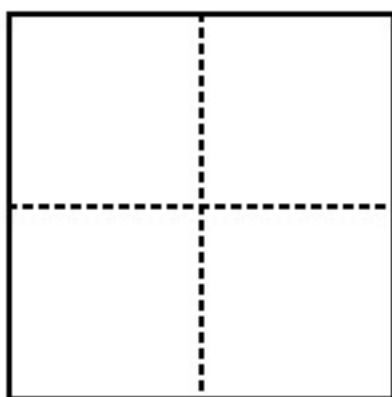


Fig. 2a. Square folded in 4 parts diagonally



Fig. 2b. Cut along fold

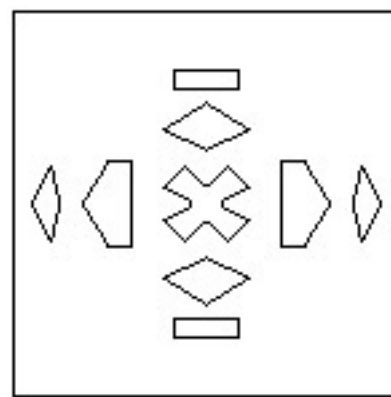


Fig. 2c. Two axes of symmetry