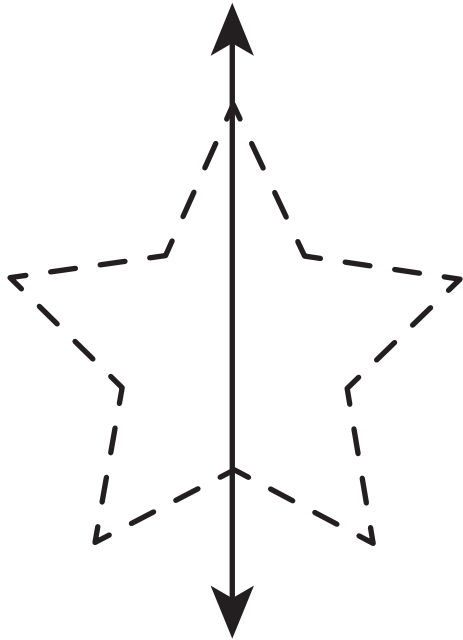


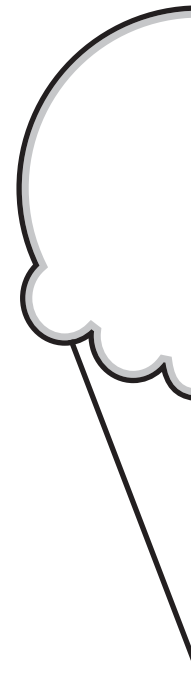
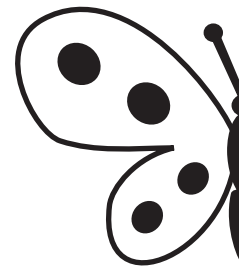
Name: _____

The Other Half

Directions: Complete the pictures by drawing the matching half. Draw a line of symmetry through each picture.



line of symmetry



Symmetry Sticks

This Really Good Stuff® product includes:

- 60 Two-sided Symmetry Sticks, laminated
- Storage Bag
- This Really Good Stuff® Instructional Guide

Congratulations on your purchase of these Really Good Stuff® **Symmetry Sticks**—a fun and engaging way for students to work with shapes and pictures to gain an understanding of symmetry.

Displaying the Symmetry Sticks

Before introducing the **Symmetry Sticks**, make copies of this Really Good Stuff® Instructional Guide, and file the pages for future use. Or, download another copy of it from our website at www.reallygoodstuff.com. For safekeeping, place the **Symmetry Sticks** in the provided *Storage Bag* when not in use.

Introducing the Symmetry Sticks

Prior to beginning the lesson, collect all of the one-shape **Symmetry Sticks** and place them in a container or bag. Show students one *Stick*. Explain that each *Stick* has half of one shape on it. Further explain that the *Sticks* come in pairs; each one has a matching *Stick*. Using two matching *Sticks*, model how to place them together to present the completed shape. Ask students to tell you the correct term for when an item can be divided evenly in half, so that each half is identical to the other. Allow for responses. Define *line symmetry* as when an object or picture is identical when folded or cut in half. Explain that each *Stick* represents half of a shape that was divided using line symmetry. Pass out one *Stick* to each student. Tell them to look only at the simple shape side of the *Stick* for now. On your cue, have students move around the room to find the person whose *Stick* matches their own.

You may also wish to introduce the **Symmetry Sticks** as a means for pairing up students for various activities in the classroom.

Pick-Up Sticks

Gather students on the carpet and divide them into five groups. Sort out the set of one-shape *Sticks* into five groups of two pairs each. Place the *Sticks* on the carpet shape-side up. Have students work together to match the *Sticks* into pairs within their group. Encourage groups to exchange their *Sticks* and repeat the activity, until each group has matched all 20 *Sticks*. Increase the degree of difficulty by using the two- and three-shape *Sticks*.

Match Them Up

Place a set of *Symmetry Sticks* in a math center so that the object sides of the *Sticks* are faceup. Provide plain white copy paper (or have students bring a math notebook). Tell students that when they come to the center, they will need to find the match for each *Stick*; 10 pairs altogether. Once they have matched the set, they will copy the images from three of the pairs of *Sticks* onto a piece of paper and draw a line of symmetry through each. Papers can be used for assessment. Adjust which set of *Sticks* is used in order to challenge students appropriately.

The Other Half

Copy and distribute *The Other Half Reproducible*. Instruct students to create their own symmetrical pictures by completing the missing side of the images on the reproducible. Remind them that when an object can be folded in half so that each half is identical, it is called line symmetry. Explain to them that once they complete each drawing, they will need to draw the line of symmetry down the middle.