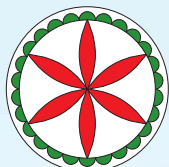


Signs, Signs, - Everywhere a Sign

Many barns in Ohio have beautiful decorative paintings on them.



Rosette

The single rosette is one of the most basic signs and it is one of the most ancient designs in western culture. The rosette appears on buildings, furniture, gravestones and pottery. The rosette design is a symbol for luck and the scalloped border symbolizes smooth sailing. The color red is used to symbolize strength and green is a life color.

The rosette has 6 lines of symmetry. See if you can find them. If you need help on what a line of symmetry is look at the dog picture below.

Line Symmetry

Another name for reflection is symmetry.



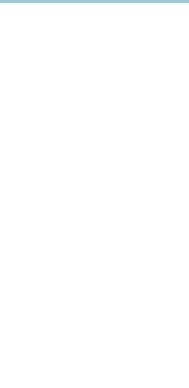
The "Line of Symmetry" (shown here in white) is the imaginary line where you could fold the image and have both halves match exactly.



The Capitol Building also has a line of symmetry.

The First Challenge

A historian found half of a famous barn design, the Eight Pointed Star. He knows it was broken along the line of symmetry. Can you help him complete the barn design by drawing the other half which is reflected over the line of symmetry?



The Second Challenge

The same historian found another, more complicated design. It was also broken along the line of symmetry. Are you up to the challenge of redrawing this design as well?



5-7 Benchmark. Describe and use the concepts of congruence, similarity, and symmetry to solve problems.

