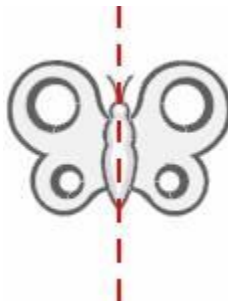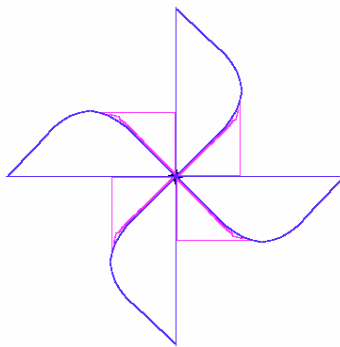# Math Tips: Symmetry

Key Terms:

Mirror Image Symmetry: When one half of a shape is the mirror image of the other. If a design has mirror image symmetry, you can draw a line down the center, and the two sides will look exactly alike – but reversed, as in a mirror.

Mirror Image Symmetry

Rotational Symmetry: When parts of a design are equally positioned around a central point. If a design has rotational symmetry, you can rotate the whole design by some amount (the "**angle of rotation**") and see exactly the same design. In the example below, the design can be rotated 90 degrees and will look exactly the same as the original.

Rotational Symmetry

Cool Fact: Some designs have both mirror image symmetry **and** rotational symmetry.