

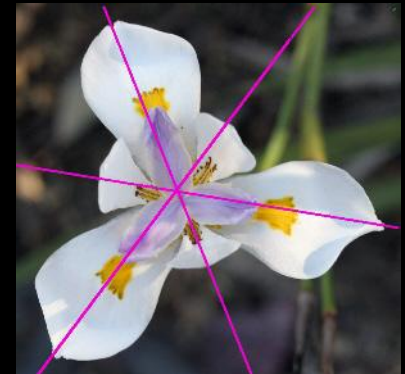
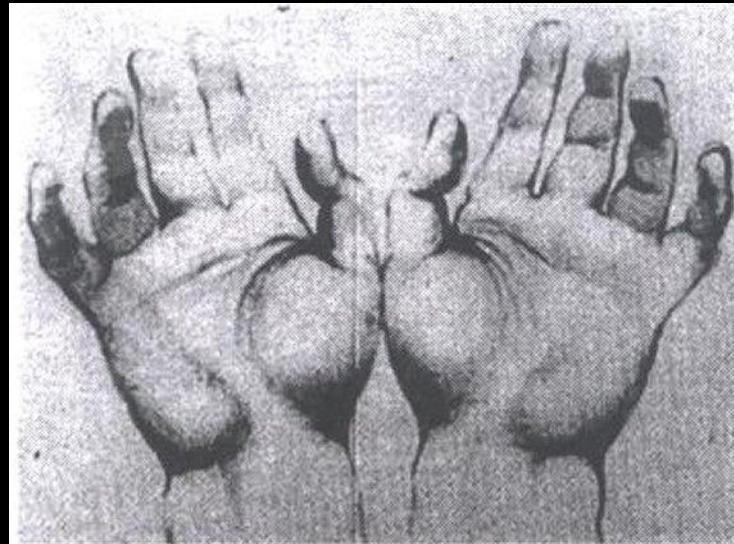
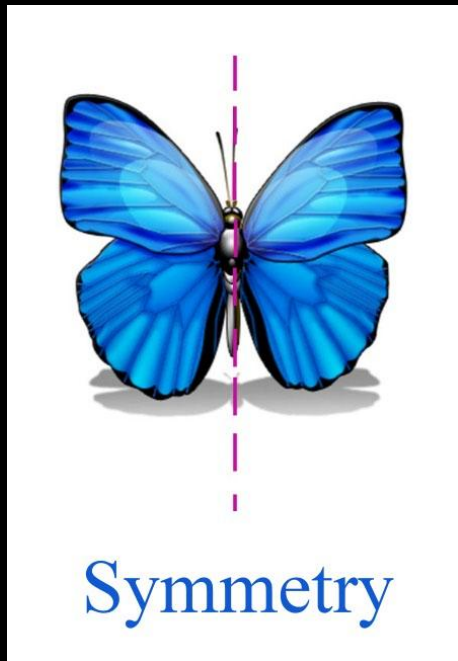


SYMMETRY

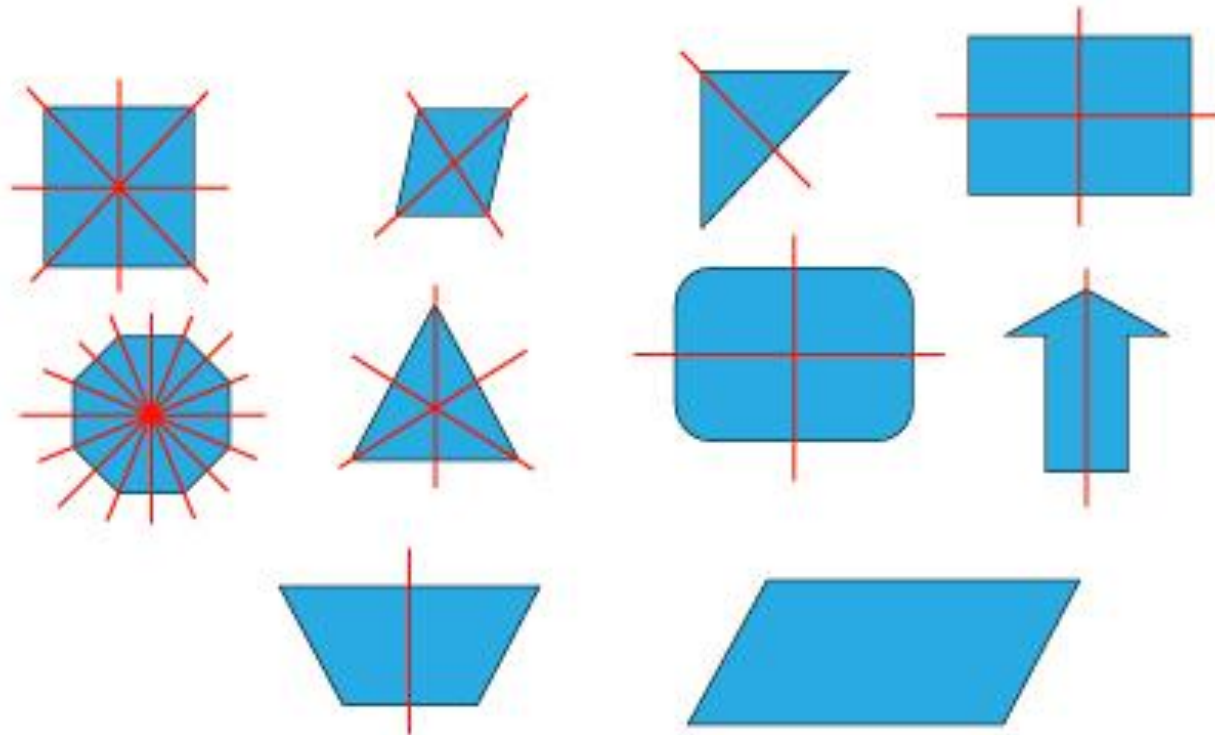
Did you know that there are more than 15000 different species of butterflies? The bright colors and attractive patterns make the butterfly one of the most beautiful insects.



If you draw a line down middle of a butterfly, the two halves match. When this happens, the line is called a **line of symmetry**. One way to find lines of symmetry is to cut out a shape and observe whether the sides and patterns match exactly when the shape is folded.



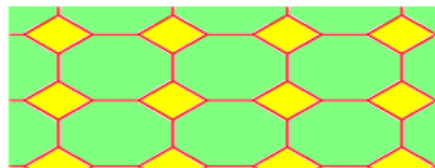
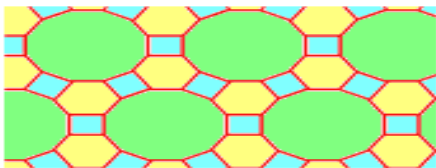
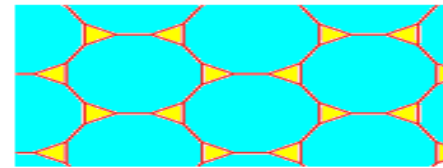
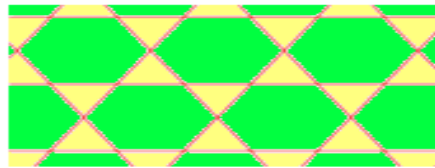
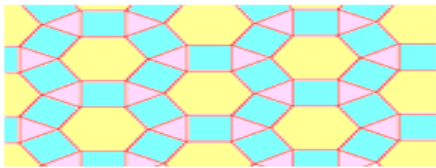
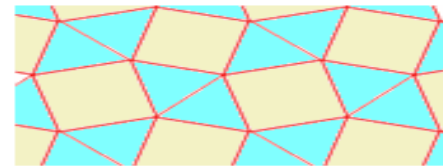
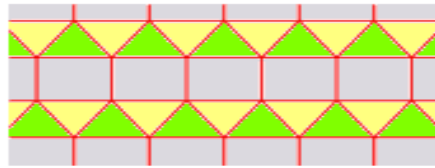
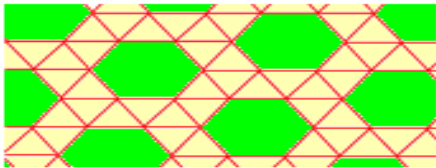
In geometry we have various of symmetrical figures.
These figures can have more than one line of symmetry.



We can also find many examples of symmetry in art. Mosaic is the art of covering a surface with small squares, triangles, or other regular shapes called *tesserae*.



Covering a surface with regular figures is called **tiling**. The result of tiling is called a **tessellation**. A tessellation can be made of one kind of polygon or several kinds of polygons.



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