



## Lines of Symmetry in Figures

### Today's Standard

4.G.A3 - Recognize a line of symmetry for a two-dimensional figure as a line across the figure such that the figure can be folded along the line into matching parts. Identify line-symmetric figures and draw lines of symmetry.

Cues	Notes
What is a line of symmetry?	A line of symmetry divides a figure into two identical parts.
How do you identify symmetrical figures?	Symmetrical figures can be identified by folding or using mirrors to see if parts match.
What are examples of symmetrical figures?	Examples include butterfly wings, human faces, and snowflakes.
What is a common misconception about symmetry?	Some students think any line can be a line of symmetry or that asymmetrical figures can have symmetry.
How can we correct misconceptions about symmetry?	Use folding activities and mirrors to show the correct lines of symmetry.

### Summary

Understanding lines of symmetry is crucial for recognizing and creating symmetrical figures. This concept helps in various real-world applications and prepares students for more advanced geometric studies.