



apply symme	a fundamental concept in mathematics and art. It is essential for students to understand try in various contexts. In this worksheet, we will explore the concept of line symmetry a etric shapes and patterns using folding, cutting, and blobbing techniques.	
create symme		
What is Syn	nmetry?	
Symmetry is t	the quality of being made up of exactly similar parts facing each other or around an axis.	
Example:		
A butterfly	's wings are symmetric, with the left and right wings being mirror images of each othe	er.

Line symmetry is a type of symmetry that can be found in many natural and man-made objects. Example:
Evernler
A line of symmetry can be drawn down the center of a butterfly's body, dividing it into two identical halves.
Creating Symmetric Shapes
Use scissors to cut out a symmetric shape from a piece of paper.
Example: Cut out a heart shape from a piece of paper, making sure that the left and right sides are mirror images of each other.

Symmetric Patterns
A symmetric pattern is a pattern that has a line of symmetry.
Example: A checkerboard is a symmetric pattern, with each square being a mirror image of the square opposite it.
Blobbing Symmetry
Use paint or ink to create a symmetric pattern on a piece of paper.
Example: Fold a piece of paper in half and paint a shape on one half. Then, unfold the paper to create a symmetric pattern.

d examples of sy	nmetry in nature, such as the symmetry of a flower or a leaf.
Example:	
The wings of a bother.	atterfly are symmetric, with the left and right wings being mirror images of each
ometry in Art	
nmetry in Art	
-	art to create balanced and aesthetically pleasing compositions.
nmetry is used in	art to create balanced and aesthetically pleasing compositions.
nmetry is used in	
nmetry is used in	art to create balanced and aesthetically pleasing compositions. ric art piece using a variety of materials, such as paper, scissors, and glue.
nmetry is used in	
xample:	

swer the following	g questions:				
1. What is the d	efinition of symn	netry?			
2. What is an ex	ample of a symr	netric shape?			
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3. How can syn	metry be used ir	real-lite conte	exts <i>?</i> 	 	
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Answers

Check your answers:

- 1. Symmetry is the quality of being made up of exactly similar parts facing each other or around an
- 2. A butterfly's wings are symmetric, with the left and right wings being mirror images of each other.3. Symmetry can be used in architecture, design, and art to create balanced and aesthetically pleasing compositions.

terrect on what you have	learned about symmetry and how you can apply it in your everyday life.
Final Thoughts	
	ned about symmetry that you found interesting or surprising?
	ned about symmetry that you found interesting or surprising?
Final Thoughts What is one thing you le	ned about symmetry that you found interesting or surprising?