







# Symmetry Vocabulary Puzzles


**symmetry in design**  the use of symmetry to make an arrangement that is pleasing or stable


**order of symmetry**  the number of times you can turn a figure at the center point and keep the same image


**bilateral symmetry**  a balanced arrangement of the same sized shapes on two sides of a line, point, or plane, where the sides are reversed

**symmetry**  **rotational symmetry**  a shape that can be turned at the center point to keep the same image.

**line of symmetry**  a line that a shape 2 parts that exactly the same but reversed

**reflection symmetry**  a balanced arrangement of the same sized shapes on two sides of a line, point, or plane, where the sides are reversed

**point symmetry**  a figure with matching parts that are the same distance from a point, but facing in opposite directions

**exact reflection of a figure or object, in reverse.**  natural items using symmetry for beauty or for function

Grades 3-5

Self-Correcting

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Thank you for taking the time to check out these materials for the study of symmetry. I hope you'll find it exciting and educational!  
*Sandie Flynn*

# Symmetry

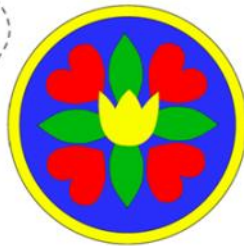
## Vocabulary Puzzles

**bilateral  
symmetry**



a balanced arrangement of the same sized shapes on two sides of a line, point, or plane, where the sides are reversed

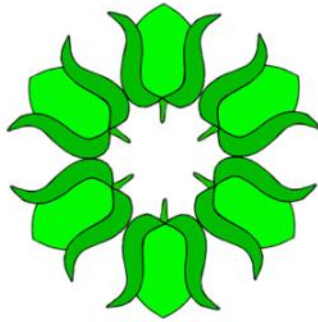
**symmetry**



a balanced arrangement of shapes of the same size and form on opposite sides of a line, point, or plane

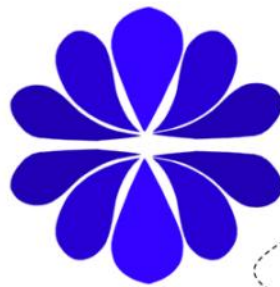
Students match vocabulary word with image and definition. When multiple matches are possible, the cutting lines are the same, so the puzzles are self-correcting. Use in small groups, or at a math center.

**rotational  
symmetry**



a shape that  
can be turned  
at the center point  
to keep  
the same image.

**reflection  
symmetry**



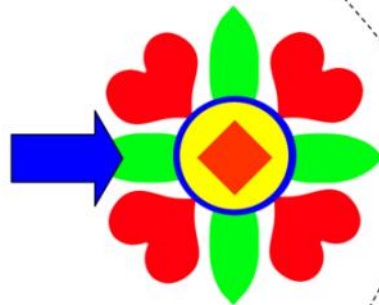
a balanced  
arrangement of the  
same sized shapes  
on two sides of a  
line, point, or plane,  
where the sides  
are reversed

**point  
symmetry**



a figure with  
matching parts  
that are the  
same distance  
from a point,  
but facing in  
opposite directions

**order of  
symmetry**



the number of times  
you can turn a figure  
at the center point  
and keep the  
same image

**symmetry  
in nature**



*Butterfly: Photo by Angie Perkins, via Public Domain Pictures.net.*

natural items  
using symmetry  
for beauty  
or for function

**mirror  
image**



the exact reflection  
of a figure or object,  
in reverse.

**line of  
symmetry**



a line that divides  
a shape into  
2 parts that are  
exactly the same,  
but reversed

**symmetry  
in design**



the use of symmetry  
to make an  
arrangement  
that is pleasing  
or stable