

Lesson 10-2 • Group 2

Reinforce Understanding

10.2 Small Group • Group 2

I can use bilateral symmetry to describe structure in nature and in human creations, explain how I can tell, and judge a case I have not seen before.

Worked model

I look at the two sides of the butterfly, and they look like mirror images — the butterfly is symmetric.

1. All butterflies have reflective symmetry. In plants and animals, this is called bilateral symmetry.
2. To show it, I draw a line down the middle of the butterfly's body: everything on the left is reflected on the right.

Practice

Complete each exercise. Show the reasoning that supports your answer.

1. How many lines of symmetry does each figure have?

Complete the table. Show how you found each value.

Figure	Think about the folds	Lines of symmetry
2 through the sides + 2 through the corners		
through the sides only — corner folds fail		
one through each corner		
one vertical + one horizontal		

Show your work

2. Match each transformation idea to its description.

Write the letter of the matching item on each line.

1. _____ Reflection
 2. _____ Rotation
 3. _____ Translation
 4. _____ Rotational symmetry
- AFlip across a mirror line
 - BTurn around a center point
 - CSlide without turning or flipping
 - DFits onto itself in less than a full turn