

Lesson 10-2

Reinforce Understanding

Math is Beauty

I can use bilateral symmetry to describe structure in nature and in human creations.

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. What does it mean that a butterfly is symmetric?

Circle the letter of the best answer. Show how you know.

- A. The butterfly has exactly two wings
- B. The two sides of the butterfly look like mirror images
- C. The butterfly's wings are very colorful
- D. The butterfly is larger than most insects

Show your work

2. In plants and animals, reflective symmetry is called:

Circle the letter of the best answer. Show how you know.

- A. rotational symmetry
- B. a mirror image
- C. bilateral symmetry
- D. balance

Show your work

3. A plant grows in layers, and each layer is made up of 2 leaves. How many leaves does the plant have after growing 4 layers?

Circle the letter of the best answer. Show how you know.

- A. 4 leaves
- B. 6 leaves
- C. 8 leaves
- D. 16 leaves

Show your work
