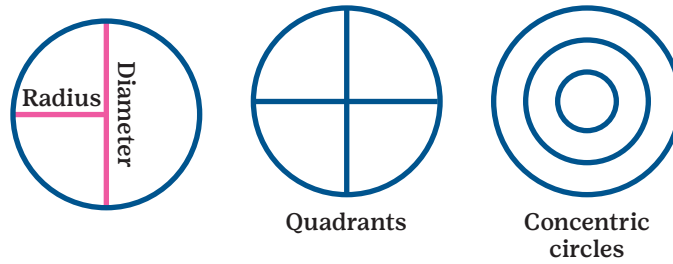
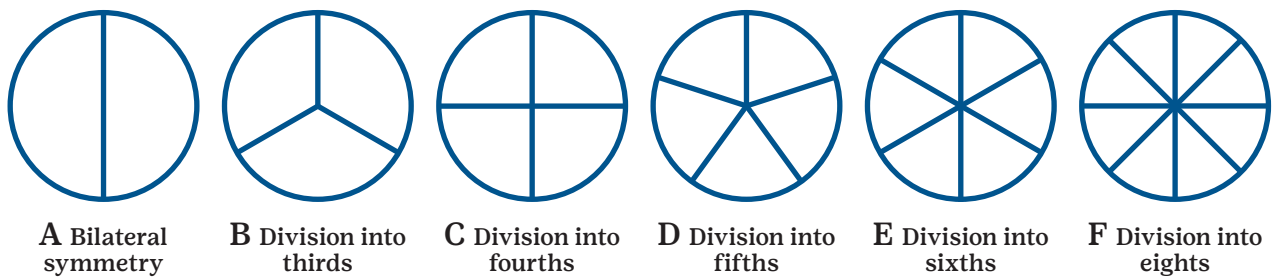




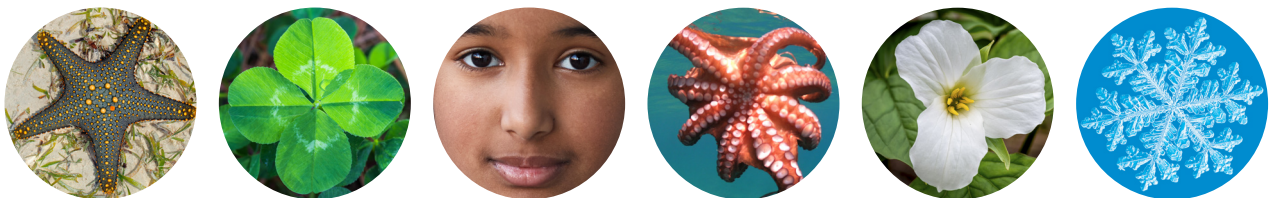
Designing with Circular Symmetry



1. Imagine the circle where you'll create your design. Will it be on a plate, the ground, paper, or even in the air?
2. Create a line going across the circle and through the center. That's your first line of symmetry! It's also the circle's **diameter**.
3. Make another line going across the circle and through the center, creating four equal parts. That's your second line of symmetry! You now have four equal **quadrants**.
4. Look at each line coming from the center to the edge of the circle. That line is called a **radius**.
5. Add smaller circles inside your circle, all with the same center point. When circles fit inside each other and have the same center point, they're called **concentric**.
6. Use your lines of symmetry or concentric circles to design your art work! Add shapes, lines, and other patterns.



Match each natural object with its lines of symmetry.



1 _____ 2 _____ 3 _____ 4 _____ 5 _____ 6 _____

Answers: 1—D, starfish; 2—C, rare 4-leaf clover; 3—A, face; 4—F, octopus; 5—B, trillium; 6—E, snowflake