

Nature's Geometry

Basic Geometry · Answer Key · 10 Questions

1. A honeycomb cell built by honeybees is typically shaped as which polygon?

- A) Square
- B) Triangle
- C) Hexagon**
- D) Pentagon

2. The trunk of a mature tree, when viewed from directly above as a cross-section, most closely approximates which geometric shape?

- A) Circle**
- B) Rectangle
- C) Trapezoid
- D) Rhombus

3. Which geometric shape best describes the appearance of a full moon in the night sky?

- A) Oval
- B) Circle**
- C) Square
- D) Diamond

4. Many starfish have a body structure that displays five-fold symmetry, which is related to which polygon?

- A) Square
- B) Hexagon
- C) Pentagon**
- D) Triangle

5. A spider web's silk strands often radiate from the center, forming angles that originate from a single point, similar to what shape?

- A) Cube
- B) Sphere
- C) Circle**
- D) Cylinder

6. A mountain peak viewed from the side often forms which geometric shape?

- A) Rectangle
- B) Triangle**
- C) Circle
- D) Oval

7. The scales on a pineapple peel are primarily arranged in a pattern resembling which shape?

- A) Triangle
- B) Circle
- C) Hexagon**
- D) Square

8. When a drop of water lands on a still pond, the ripples it creates expand outward as what shape?

- A) Concentric circles**
- B) Concentric squares
- C) Parallel lines
- D) Right triangles

9. A bird's egg typically has a shape that is a stretched version of a circle, known as what?

- A) Cube
- B) Oval**
- C) Pyramid
- D) Trapezoid

10. The gills under many types of mushrooms are arranged in lines that radiate from the center, resembling what geometric segment?

- A) Radius**
- B) Diameter
- C) Square
- D) Rectangle