

What Kind Am Let Sort Shapes

Shapes are all around us, from the natural world to the man-made structures we encounter every day. Understanding the different types of shapes and their properties is essential for navigating our visual world and engaging with it meaningfully. In this comprehensive guide, we will delve into the realm of shapes, exploring their classification, characteristics, and applications.

Flat Shapes: The World of Polygons

Flat shapes, also known as polygons, are two-dimensional figures with straight sides and angles. They form the foundation of geometry and are categorized based on the number of sides they possess:



What Kind Am I?: Let's sort SHAPES! by Susanne Gervay

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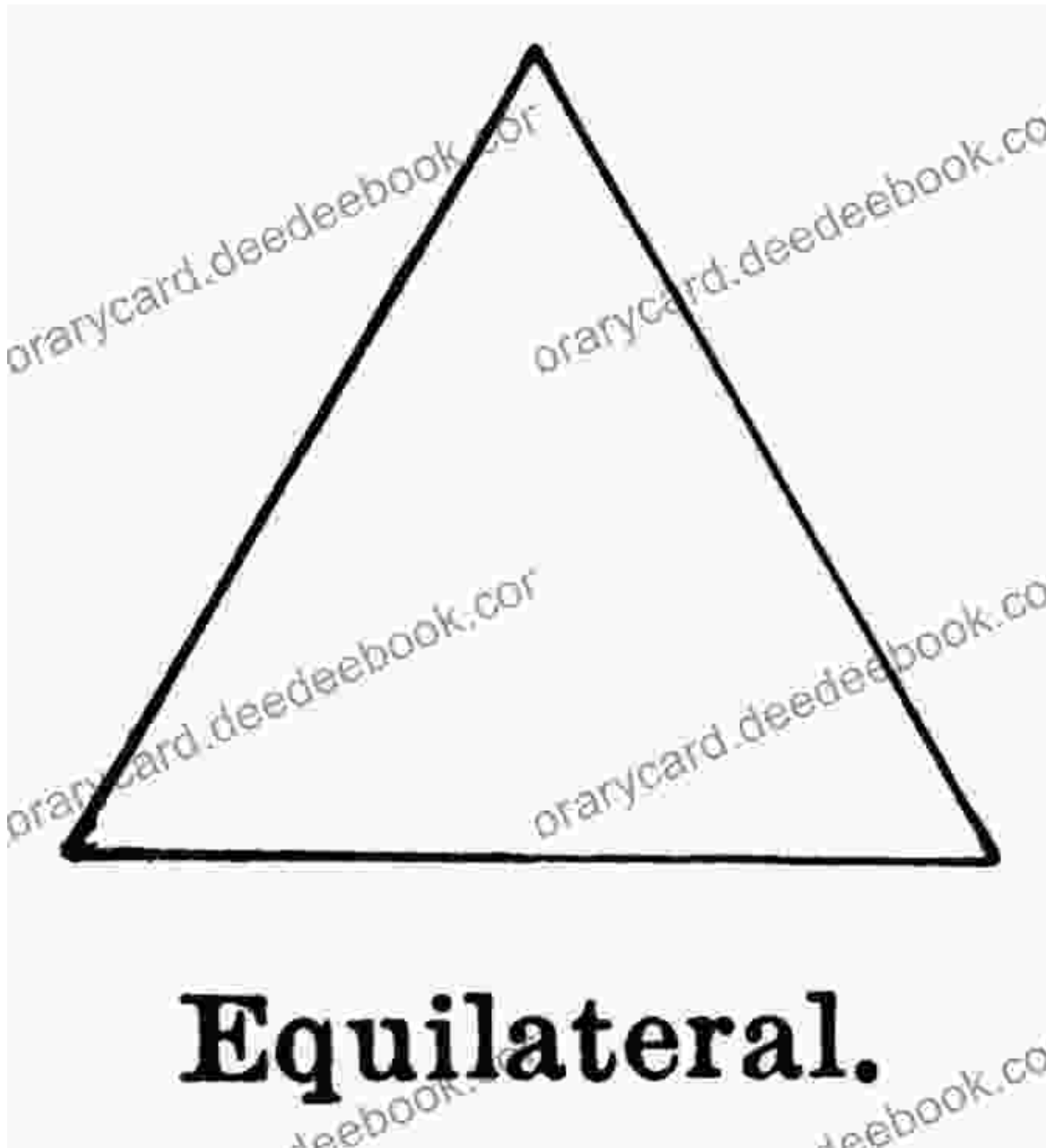
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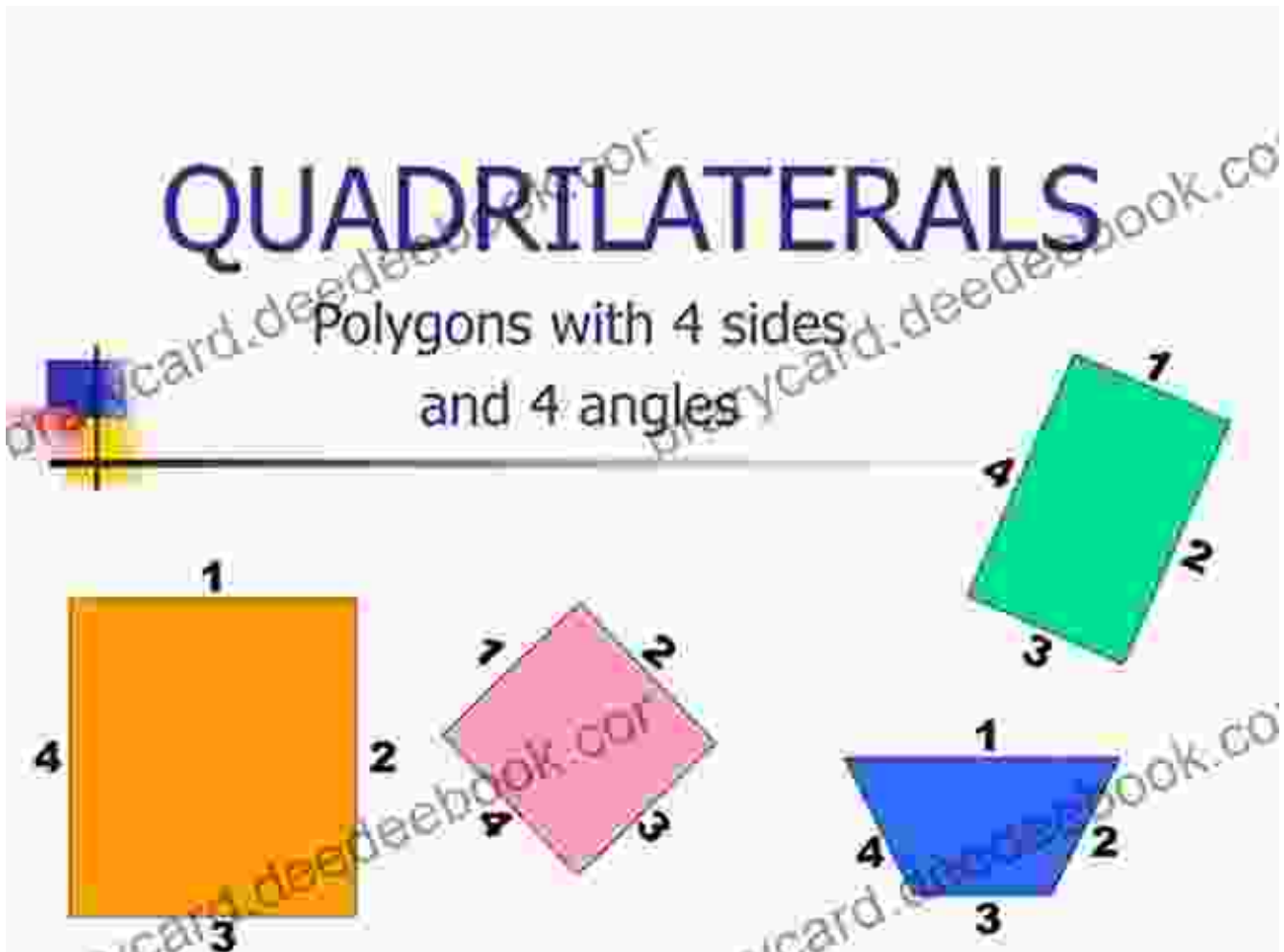
Triangle: The Shape with Three Sides



- **Definition:** A triangle is a polygon with three straight sides and three angles.
- **Classification:** Triangles are further classified based on the length of their sides and the measure of their angles:
 - *Equilateral Triangle:* All three sides are equal in length.

- *Isosceles Triangle*: Two sides are equal in length.
- *Scalene Triangle*: All three sides are different in length.
- *Right Triangle*: One angle is a right angle (90 degrees).
- *Acute Triangle*: All angles are less than 90 degrees.
- *Obtuse Triangle*: One angle is greater than 90 degrees.

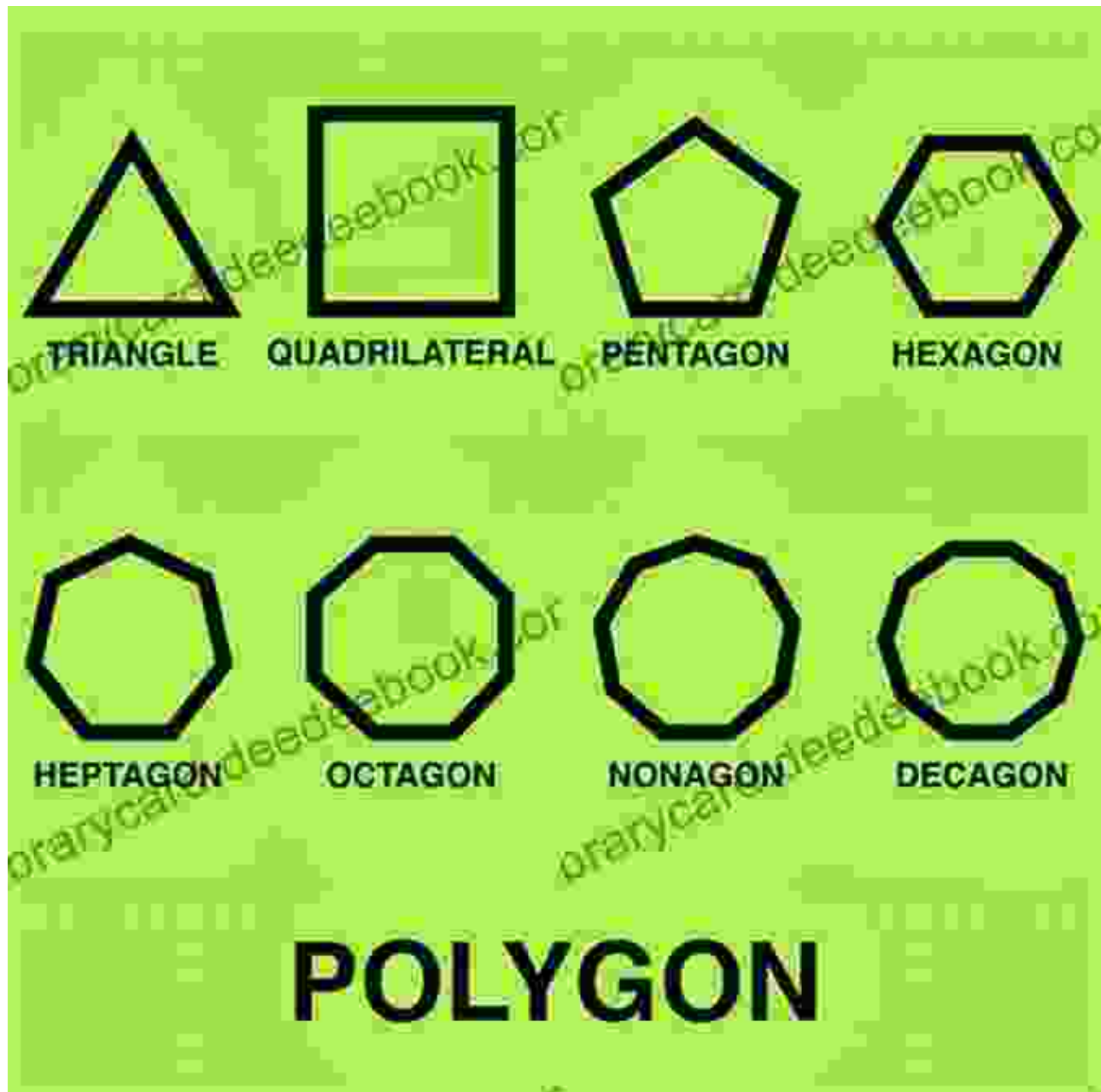
Quadrilateral: The Shape with Four Sides



Quadrilateral: A polygon with four sides.

- **Definition:** A quadrilateral is a polygon with four straight sides and four angles.
- **Classification:** Quadrilaterals are classified based on the length of their sides and the measure of their angles:
 - *Square:* All four sides are equal in length and all four angles are right angles.
 - *Rectangle:* Opposite sides are equal in length and all four angles are right angles.
 - *Parallelogram:* Opposite sides are parallel and equal in length.
 - *Rhombus:* All four sides are equal in length.
 - *Trapezoid:* One pair of opposite sides is parallel.
 - *Kite:* Two pairs of adjacent sides are equal in length.

Pentagon: The Shape with Five Sides



- **Definition:** A pentagon is a polygon with five straight sides and five angles.
- **Classification:** Pentagons can be classified as regular or irregular based on the equality of their sides and angles.

Hexagon: The Shape with Six Sides

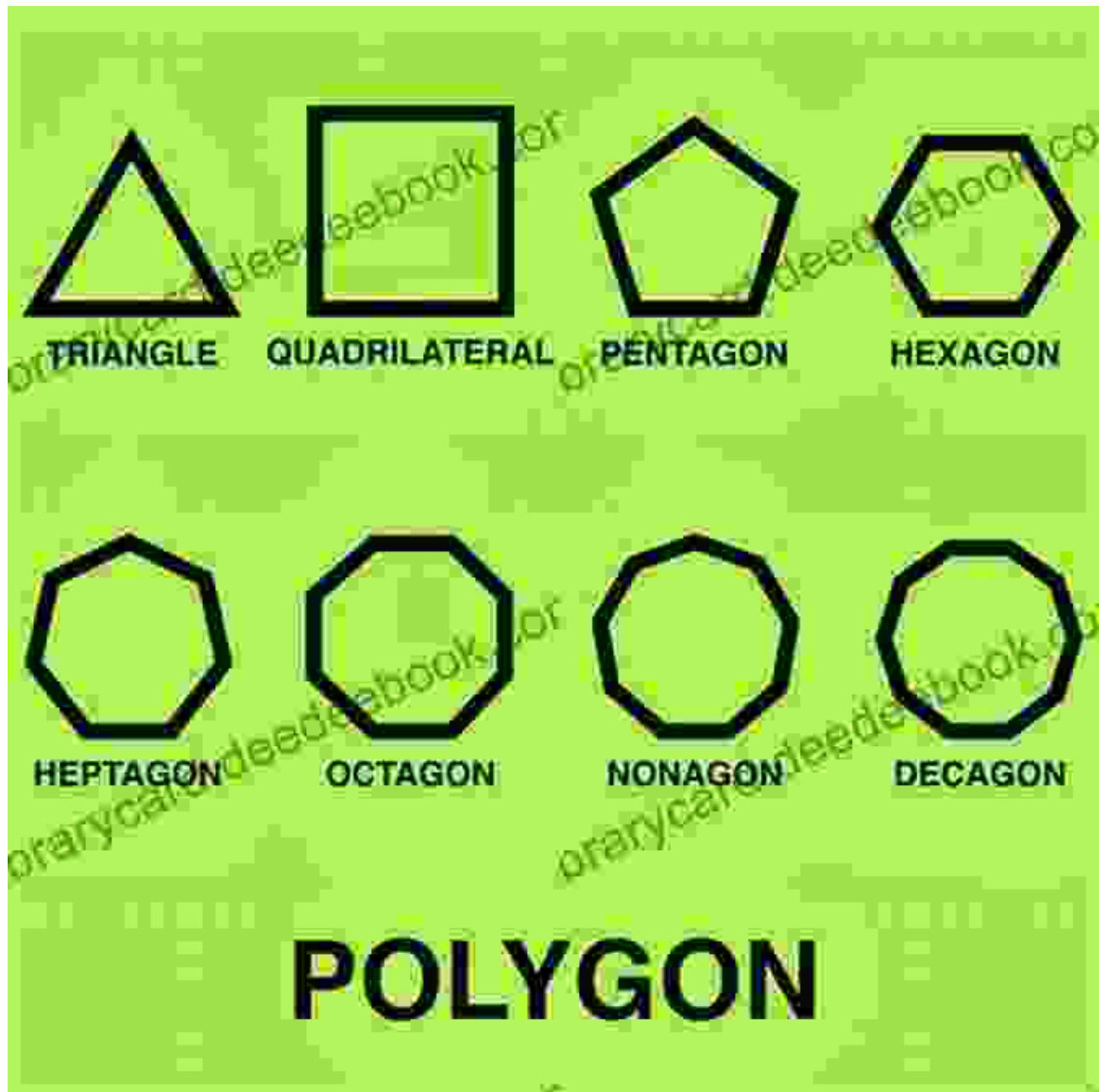
SORT BY SHAPE



Hexagon: A polygon with six sides.

- **Definition:** A hexagon is a polygon with six straight sides and six angles.
- **Classification:** Hexagons can be classified as regular or irregular based on the equality of their sides and angles.

Heptagon: The Shape with Seven Sides



- **Definition:** A heptagon is a polygon with



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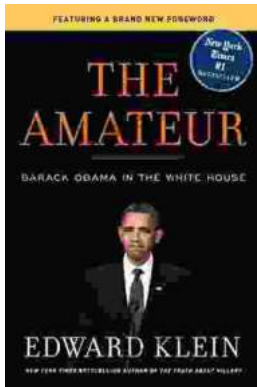
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