



The Shape of Spiderwebs

What shape is your spiderweb?
Are there any patterns or symmetry?



If the web has 4 radials, it looks like a diamond or square.



If the web has 6 radials, it looks like a hexagon. A **hexagon** has 6 sides and angles.



If the web has 8 radials, it looks like an octagon. An **octagon** has 8 sides and angles.

What if the web had more radials? Could it ever be a perfect circle?

Circles do not have angles or sides, like squares, triangles, or any other polygons do. The more sides a polygon has, the more it looks like a circle. This is why an octagon looks more like a circle than a diamond does.

▲ How many radials does this spiderweb have?