

Why Do They Tessellate?

- What is the sum of the angles in a triangle?
- For each polygon shown, draw diagonals from one vertex to each of the other vertices.

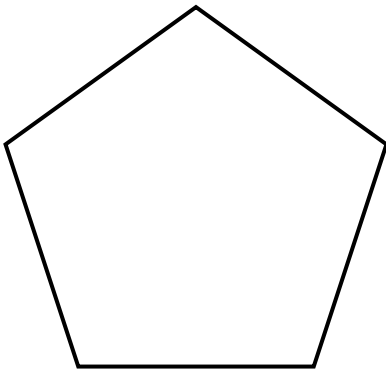
Square



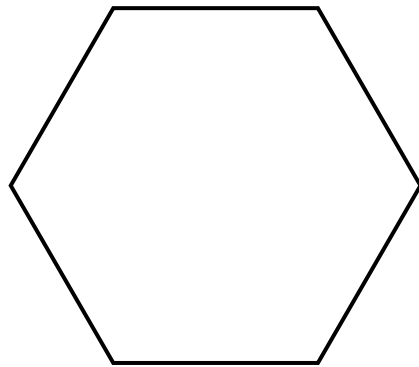
Rectangle



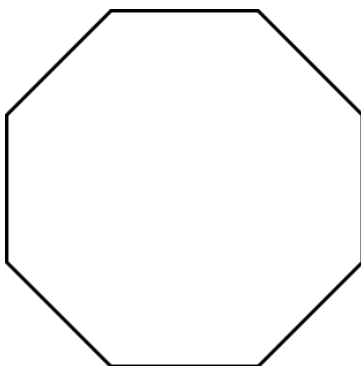
Regular pentagon



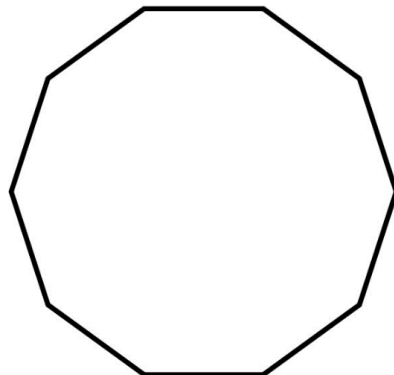
Regular hexagon



Regular octagon



Regular decagon



Why Do They Tessellate? (cont'd)

- Complete the table.

Polygon	Number of triangles	Sum of angle measures	Measure of each angle	$360^\circ \div$ angle measure
rectangle				
square				
regular pentagon				
regular hexagon				
regular octagon				
regular decagon				

