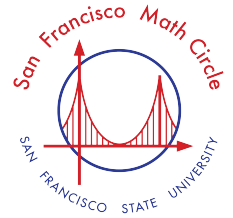
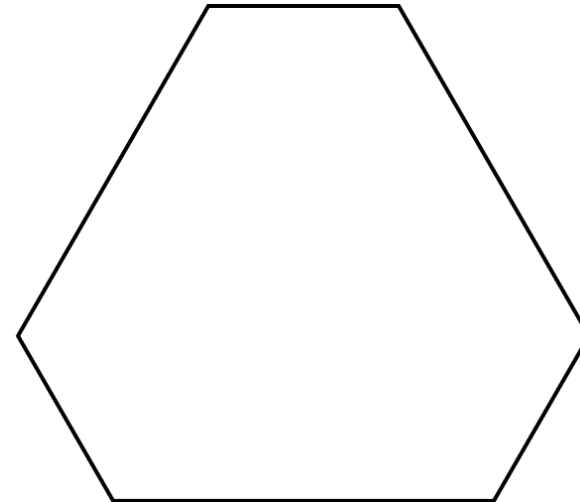
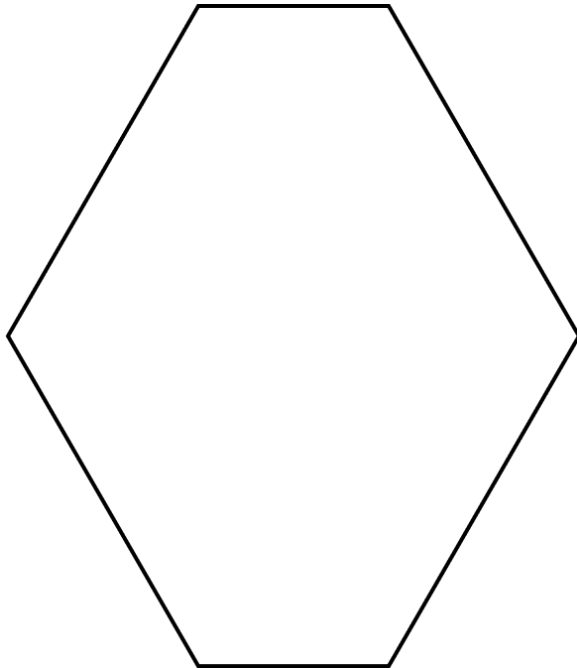




Rhombus Hexagons



Can you tile each of these hexagons with rhombi?

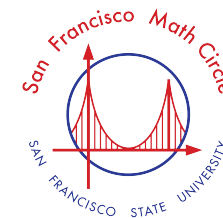


- How many rhombi did you use?
- What are the different orientations of your rhombi?
- How many rhombi have each of these different orientations?

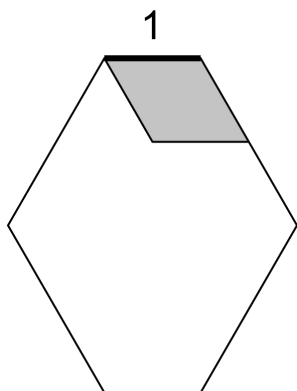
Can you find a different tiling where the answers to these questions are different?



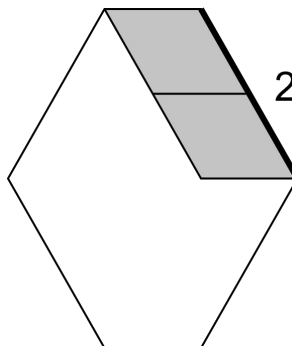
Rhombus Hexagons



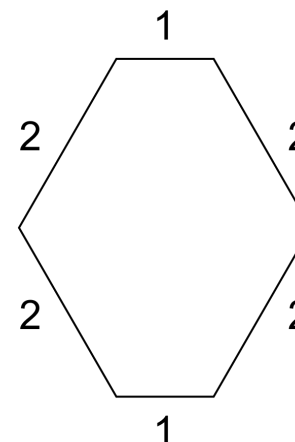
The top side of this hexagon is exactly one rhombus side-length long:



The top right side is two rhombus side-lengths long:

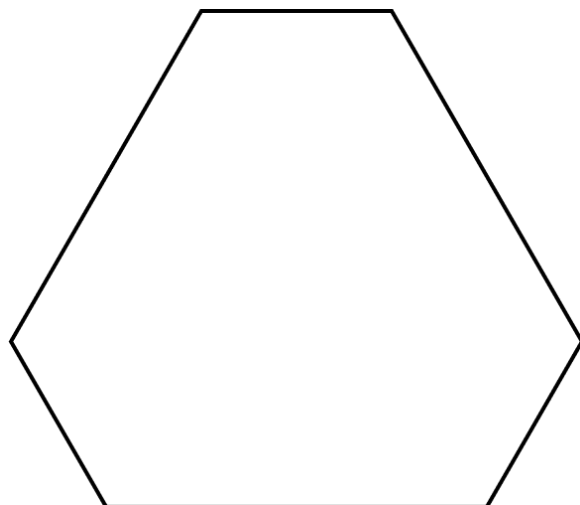


We can go around the hexagon like this to find all its side lengths.



What is the side length sequence for this hexagon?

(_____)



Starting at the top and going in clockwise order, we get the sequence **(1,2,2,1,2,2)**.