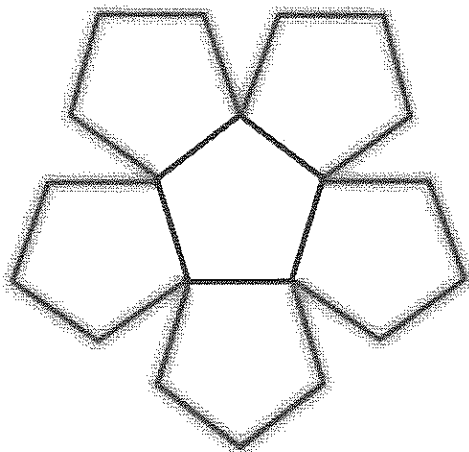
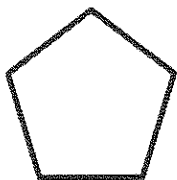


2. Estimate to draw at least four copies of the given pentagon to make a new shape without gaps or overlaps. Outline the perimeter of your new shape with a highlighter.



If my tessellations have overlaps or gaps, the shapes wouldn't fit together and the perimeter would not be accurate.

3. The marks on the strings below show the perimeters of Nancy's and Allen's shapes. Whose shape has a greater perimeter? How do you know?

Nancy's String:

Allen's String:

*Nancy's shape has a greater perimeter. The mark on the string represents the perimeter of her shape, and it's farther down the string than Allen's mark.*

It's just like how I compare numbers on the number line. I can pretend that the end of the string is like zero on the number line. Allen's mark is to the left of Nancy's, so Allen's is smaller because it is a shorter distance from 0.