

**Evelyn Mears – North Albany Middle School**

**Task name – Zippy’s Dog Pen**

**Core Math – Relating perimeter to area**

**Strands – Measurement**

**Level - Middle/High**

**Grade - 10**

**Task Implementation: Compare the perimeter to area relationship of triangles and squares.**

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### **Zippy’s Dog Pen**

**Zippy has a dog pen in the shape of an equilateral triangle. His owner, Kip, decided Zippy needed a change, so he changed Zippy’s pen to a square shape. Kip didn’t want to spend any money on the new pen, so he used all of the fencing from the old triangular pen to make the new square pen. When he was finished, he wondered how Zippy’s new play space compare to his old space?**

**Show and explain in as many different ways as you can.**