Creating Squares

Using as many small squares as you need, create as many perfect squares with different areas as you can.



- 1. Name the area of the small square before building the larger squares.
- 2. Represent the length of the small square.
- 3. Count the number of small squares you used to create the larger square.
- 4. Represent the length of the large square. [Based on your answer for step 2]
- 5. Represent the area of the large square.
- 6. Choose at least three different values for the area of the small square in your investigation. Create at least three different larger squares with the same size small square.
- 7. What do you notice about the area of the larger squares?

Area of the small square	Length of the side of the small square	Number of small squares used to create the large square	Length of the large square	Area of the large square (represented one way)	Area of the large square (represented a different way)

What do you notice about the area of the larger squares? Make a comparison between the two different representations of the area of the larger square.