

# Area Explorer

## Record Sheet

Perimeter	All Possible Areas	Number of Regular Shapes	Number of Irregular Shapes
4			
8			
10			
12			
14			
16			
18			

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### Some things to think about...

Is there a relationship between the number of possible areas for a given perimeter and the size of the perimeter? If so, what is the relationship?

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How does the shape of the perimeter affect the area of the shape? (**Hint:** How many different sides does the shape have?)

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