Name _____

In Search of Perfect Squares

1. Use your geoboard to model each square and complete the table below.

SIDE LENGTH	AREA	PERIMETER
5 units		
8 units		
	49 square units	
	4 square units	
		12 units
		24 units

2. Now try to complete the following table, without drawing the squares.

SIDE LENGTH	AREA	PERIMETER
4 units		
14 units		
13 units		
	81 square units	
	100 square units	
		4 units
		44 units
15 units		
12 units		

3. A number is called a "perfect square" if it represents the area of a square whose side length is a whole number. For example, 25 is a perfect square, because 25 square units represents the area of a square with a side length of 5 units.

Which column shows perfect squares?

4. List the first 15 perfect squares in order from least to greatest.

1, 4, ____, ____, ____, ____, ____, ____, ____, ____, ____, ____, ____, ____, ____