

Figure This

Name _____

Part 1: Measure the sides of each of the planting beds as well as the entire garden to the nearest centimeter. Record your data in the chart.

Part 2: Use the data to calculate the perimeter and area for each planting bed.

Planting Bed	Length of Sides	Perimeter (cm)	Area (cm)
Square			
Rectangle			
Pentagon			
Hexagon			
Entire Garden			

Part 3: Count the number of plants in each planting area and determine the number of plants per square meter. You will have to convert your area to square meters!

Planting Bed	# of Plants	Area (m)	Plants per Square Meter
Square			
Rectangle			
Pentagon			
Hexagon			

Challenge: Use your data to calculate the percentage of the garden that is taken up by the area of the four planting beds. Show your work!

