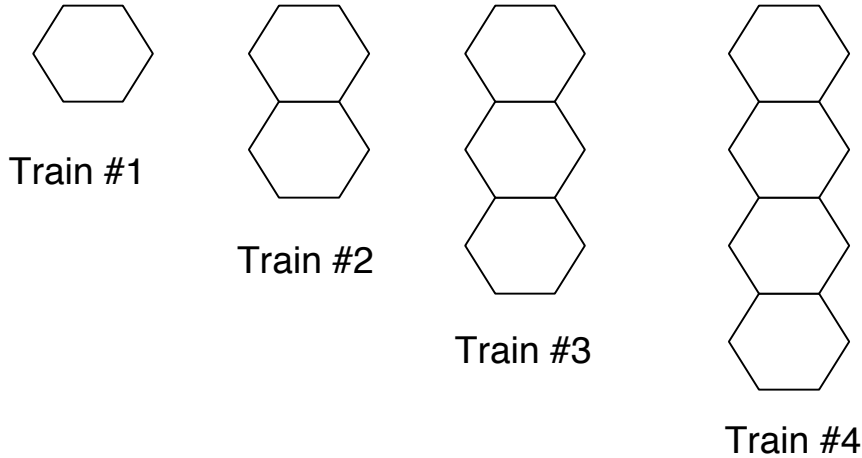


Name _____ Period _____
Problem Solving

Hexagon Trains



Trains 1, 2, 3, and 4 are the first 4 trains in the hexagon pattern. The first train in this pattern consists of one regular hexagon. For each subsequent train, one additional hexagon is added.

1. Compute the perimeter of the first 4 trains.

Train #	Perimeter

2. Determine the perimeter of the 10th train without drawing it.

3. Write a formula that could be used to determine the perimeter of any train in the pattern.