$\qquad$

## Period

## Building Block Dilemma

Apply the four steps of the problem solving process to the following problem.
I was constructing towers as you see below. I noticed that each time I made the tower higher, I had to add more blocks on the sides to stabilize the structure. I would like to know how many cubes I will need to build a 5-block high tower and a 10-block high tower. Generalize, if you can, on how many blocks I will need for any size tower?


