Haleemah and ET's method for finding the total number of tiles in the border of a square pool with 10 tiles on a side resulted in the arithmetic expression $(10 \cdot 4)-4=36$.

## 10 tiles on a side



7 tiles on a side


1. a. Write an algebra equation that generalizes Haleemah's and ET's method for finding the number of tiles in the border of a pool with any number of tiles on one side.
b. For each variable you use, write a sentence explaining what that symbol means in the pool context.
2. Create a sketch of a pool whose border has 25 tiles on a side. Explain where you see each part of your algebra equation represented in your drawing.
