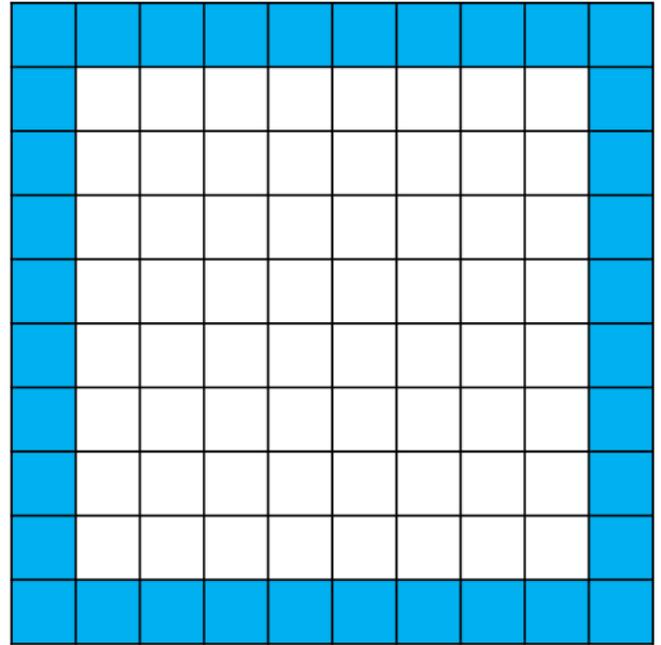


The Border Problem

Without talking, without writing, and without counting one-by-one...how many tiles are in the BORDER (the shaded portion) of the 10 by 10 grid. Be ready to explain your method.



Lets assume 10 by 10 grid above represents the 8th figure in a sequence of similar figures. How many tiles are in the BORDER of the 20th figure?

Task Question:

Explain how someone could determine the total number of border tiles in any such figures if the person knew the figure number.

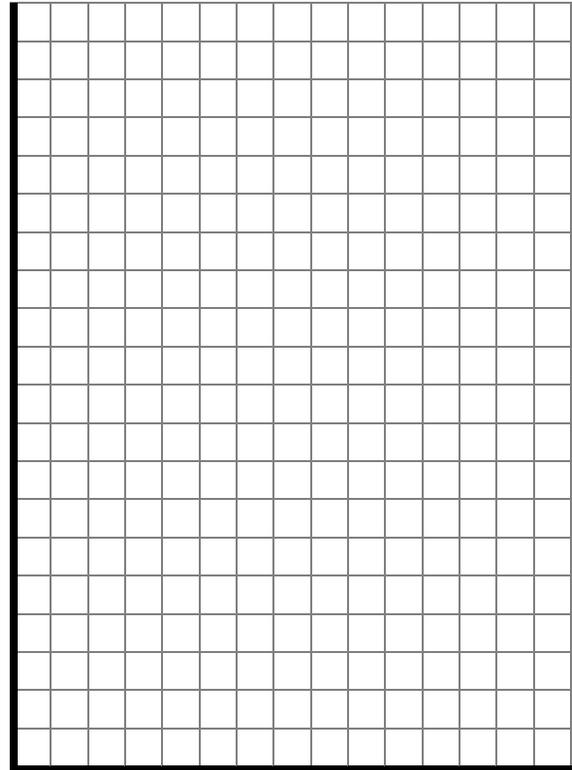
Situation: What do you know from the problem?

Table

Label variables, include units please.

Graph

Create and label axes; include units.



Write a rule

Summary of the task: Be sure to answer the question(s) posed by the task.