



Figure 1



Figure 2

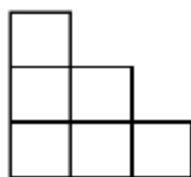


Figure 3

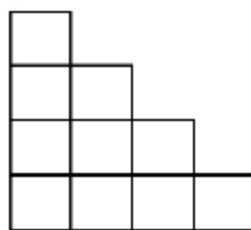


Figure 4

Task Instruction

1. How do you see the pattern growing?
2. How many squares are in figure 10? Explain how you know.
3. How many squares are in figure 55? Explain how you know.
4. Can you use 190 squares to make a stair-like structure? Mathematically justify your answer.
5. How can you figure out how many total squares are in any figure?
6. If you have 1,478 squares, can you make a stair-like structure using all of the squares?