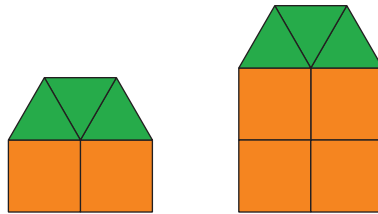


Lesson 1: Patterns that Grow

Cool Down: Andre's House Pattern

Andre used pattern blocks to make houses in a pattern. For each new step, he adds a new “floor” made of squares. The triangles are used for the roof of the house.



1. Draw the next step in Andre's pattern.
2. If Andre continues the pattern:
 - a. How many triangles will Andre use in the 15th house? Explain or show your reasoning.
 - b. How many squares will Andre use in the 15th house? Explain or show your reasoning.