

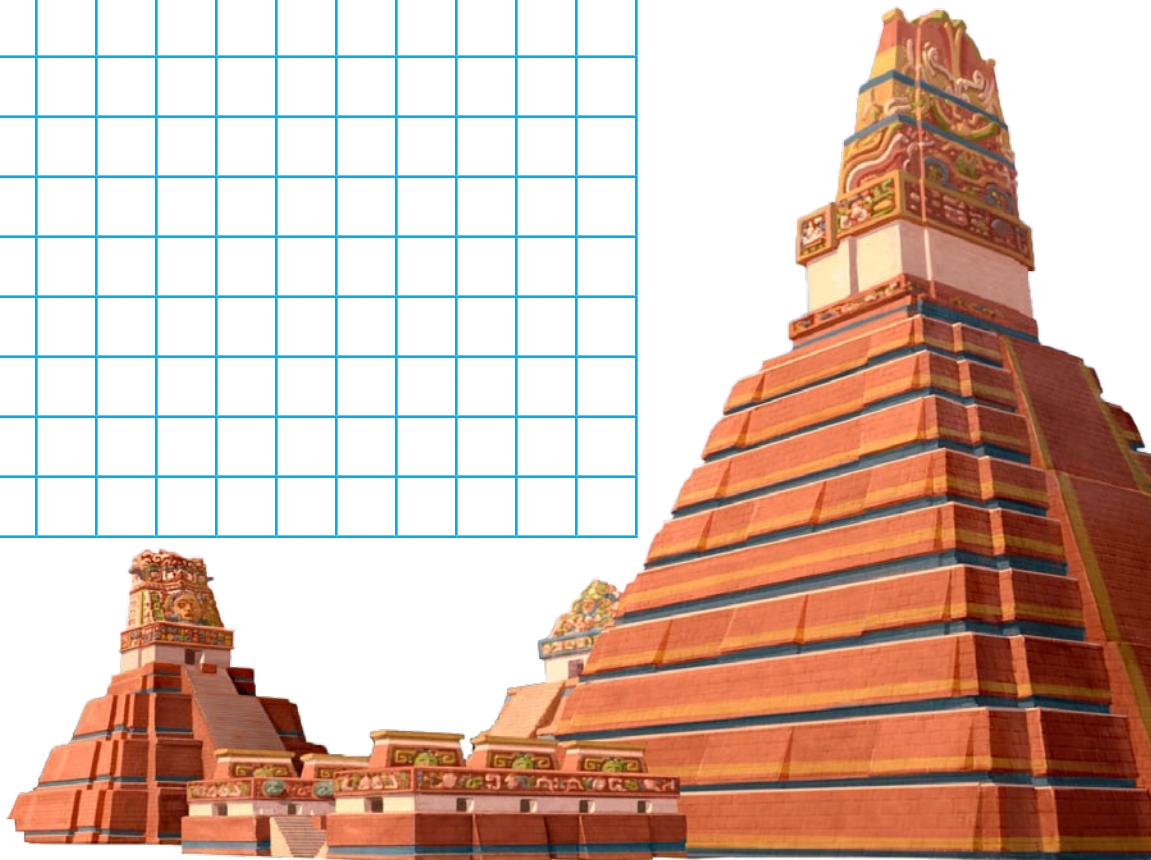
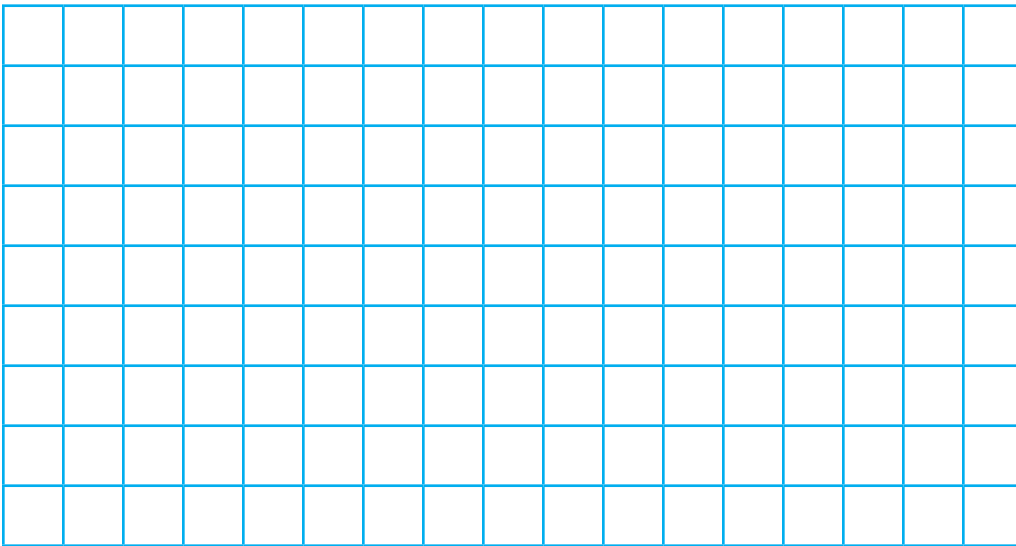
# TEMPLE IN TIKAL

## Ancient Architecture

The Maya began building their great temples and plazas more than 2,000 years ago. Imagine how difficult it was to build such amazing structures without the use of modern tools, wheeled vehicles, or pack animals.

The Temple of the Grand Jaguar in Tikal, Guatemala, is a step pyramid with nine levels. Some experts say that each step represented a layer of the underworld. This temple is also called Temple of Ah Cacao, which means Temple of King Chocolate.

**PART 1:** Use this grid to draw the side view of a step pyramid that has nine levels. For example, the top level has one square, the second has three squares, the third has five squares, and so on.

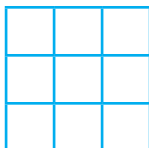


**PART 2:** Now picture each level of your step pyramid one level at a time as seen from above. Figure out how many stone squares you'll need to make each level by completing the chart.

TOP (LEVEL 1)



TOP (LEVEL 2)



LEVEL	DIMENSIONS	SQUARES
1	1 x 1	1 square
2		
3		
4		
5		
6		
7		
8		
9		