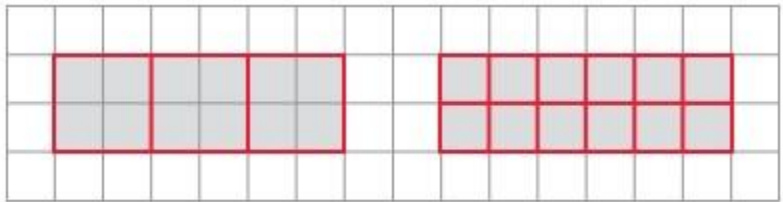


## 2<sup>nd</sup> Grade: Understand Tiling in Rectangles

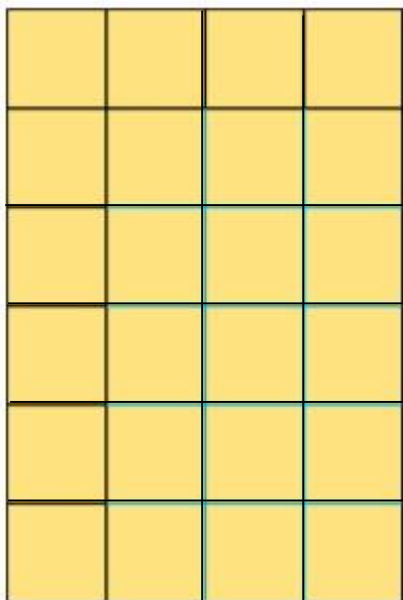
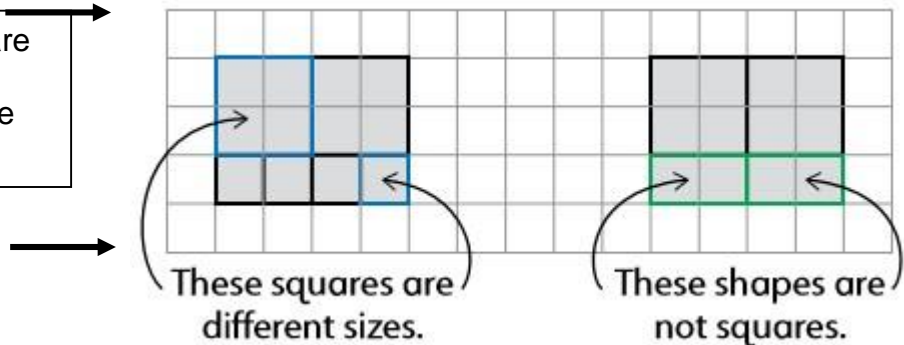
Students will explore tiling in rectangles to get ready for learning how to find the area of rectangles next year.

You can fill a rectangle with squares. All squares must be the same size. All the shapes have to be squares.

Here are two ways to draw a rectangle using squares that are the same size.



These rectangles are not drawn using squares that are the same size.



How many rows of squares are there?  
How many squares are in each row?  
There are 6 rows with 4 squares in each row.

How many squares are there in all?  
There are 24 squares in all.  $6+6+6+6=24$

How many square units is the rectangle (area)?  
The rectangle has an area of 24 square units.

OR

How many columns of squares are there?  
How many squares are in each column?  
There are 4 columns with 6 squares in each column.

How many squares are there in all?  
There are 24 squares in all.  $4+4+4+4+4+4=24$

How many square units is the rectangle (area)?  
The rectangle has an area of 24 square units.