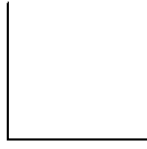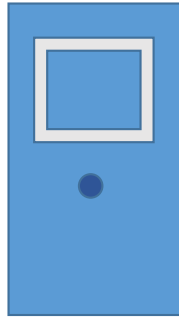How many rectangles?

A rectangle has four straight sides and four right angles. A right angle has exactly 90 degrees. It looks like this – illustration.
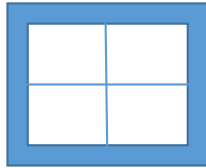
Many things have 90 degree angles – doors, books, paper, etc.

 The opposite sides of a rectangle are parallel to each other – this means they are the same distance apart from each other for the entire length of the rectangle.

The opposite sides of windows, train tracks, and the horizontal lines on a piece of paper are examples of things that are parallel.

You will need 12 orange squares for this activity.

Your job is to figure out how many rectangles you can make with exactly 12 small orange squares. Trace all the rectangles you can make on the back of this paper.

How many squares wide and how many squares long is each of your new rectangles?

Is a square also a rectangle? How do you know?

Is a rectangle also a square? How do you know?