

The RISD museum of art needs your help! They need to figure out the best way to fit at least 15 paintings from the Chicken Little exhibition onto a new wall in the gallery. The only problem is that the new wall is very tall and narrow, so it's hard to fit at least 8 paintings on it. The new wall is 144 inches tall, and 48 inches wide. It looks like this →

Your job is to figure out the most efficient way to fit *at least* 8 out of the 10 available paintings on the new wall based on the dimensions of the paintings. You can turn the paintings in any direction you want to make this work. The only requirement is that each painting must touch at least one other painting on at least one side.

You can use whatever strategy or materials you want to figure this out. Some recommended materials include grid paper, pencils, scissors, and square tiles.

The paintings are the following sizes:

1 x 10	6 x 23
7 x 12	7 x 25
3 x 3	8 x 8
4 x 32	20 x 15
5 x 19	18 x 36

New Wall

