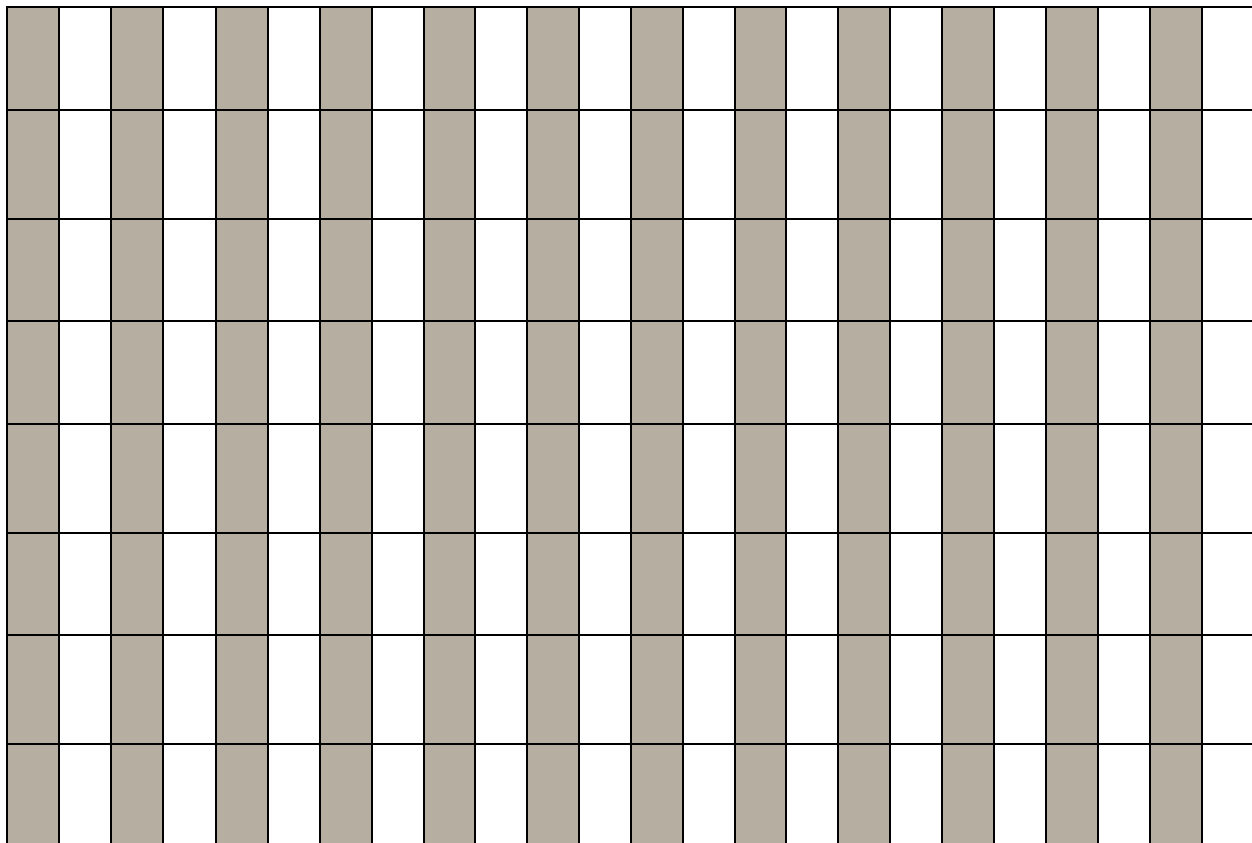## Primary Worksheet

1. Write a list of some of the different colours used in this painting.

_____

_____

_____

2. Using the grid below, colour in the rectangles to make your own repeating pattern just like Ron Martin did. See if you can make a pattern that repeats with more than two colours.

3. Now describe your pattern using letters (for example ABC). There are a few more grids below, to try out different patterns. Try something new! _____

Ron Martin's pattern could be an AB pattern – grey then a colour, over and over again. OR because he used a lot of different colours, it could look like this: AB AC AD AE AF AG AH AI AJ …. All the way through 32 colours, and then back to AB again.

4. There are lots of different ways to make a square or a rectangle in this grid. Once your pattern is done, use a marker to outline at least 3 different sized squares, and 3 different rectangles. For example, one square could have 2 rectangles inside it, another could have 8. And, one rectangle could be the whole painting – how many rectangles are inside that?

Junior / Intermediate Worksheet

1. What is the perimeter of this painting in units, if one square = 1 unit? _____

2. What is the area of this painting in units, if one square = 1 unit? _____

1 square

3. If the painting measures 244 x 366 cm, what is the measurement in cm of one square? _____
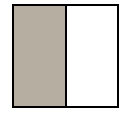
4. What is the perimeter of the painting in cm? _____
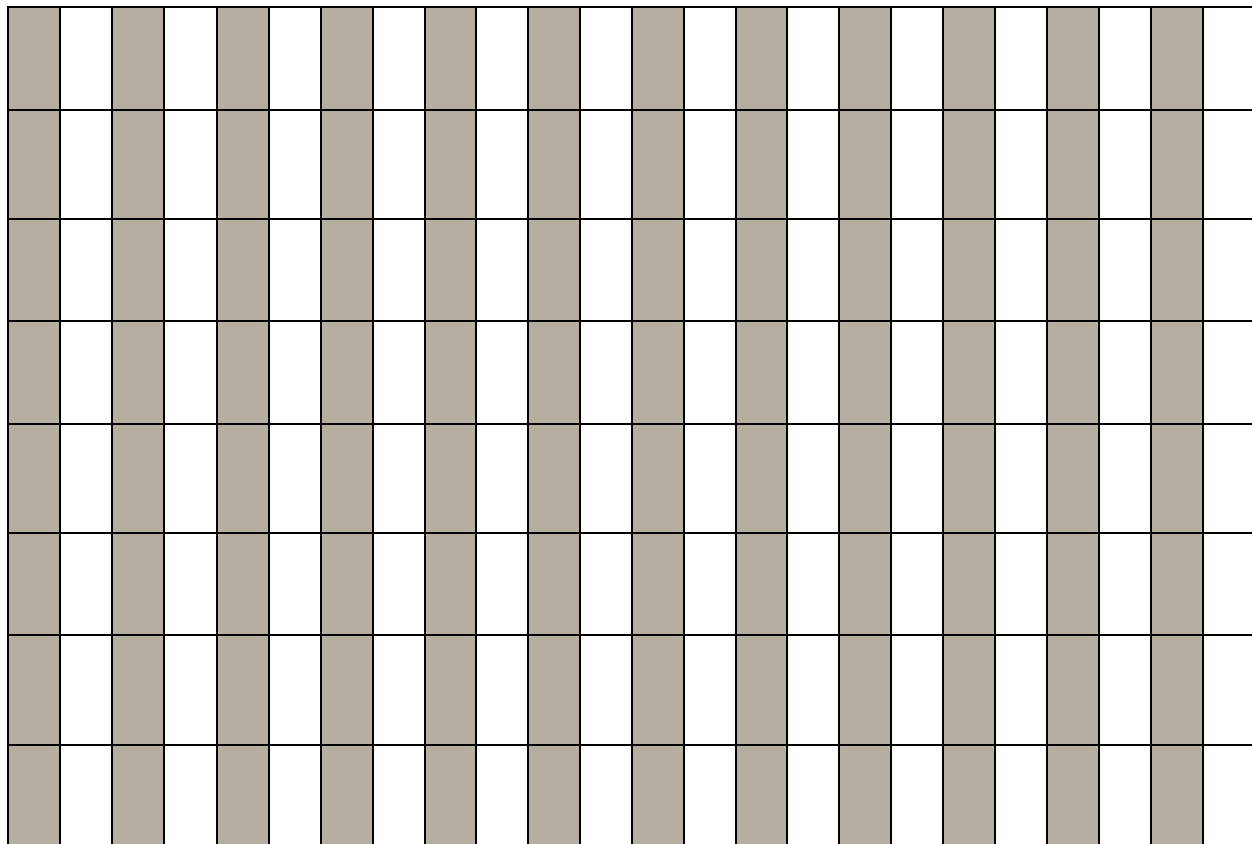
5. What is area of the painting in cm? _____

6. Ron Martin uses 32 different colours in his pattern 3 times. If you wanted a pattern that repeated 4 times, how many colours would you use? _____

How many colours would you use in a pattern that repeated 6 times? _____
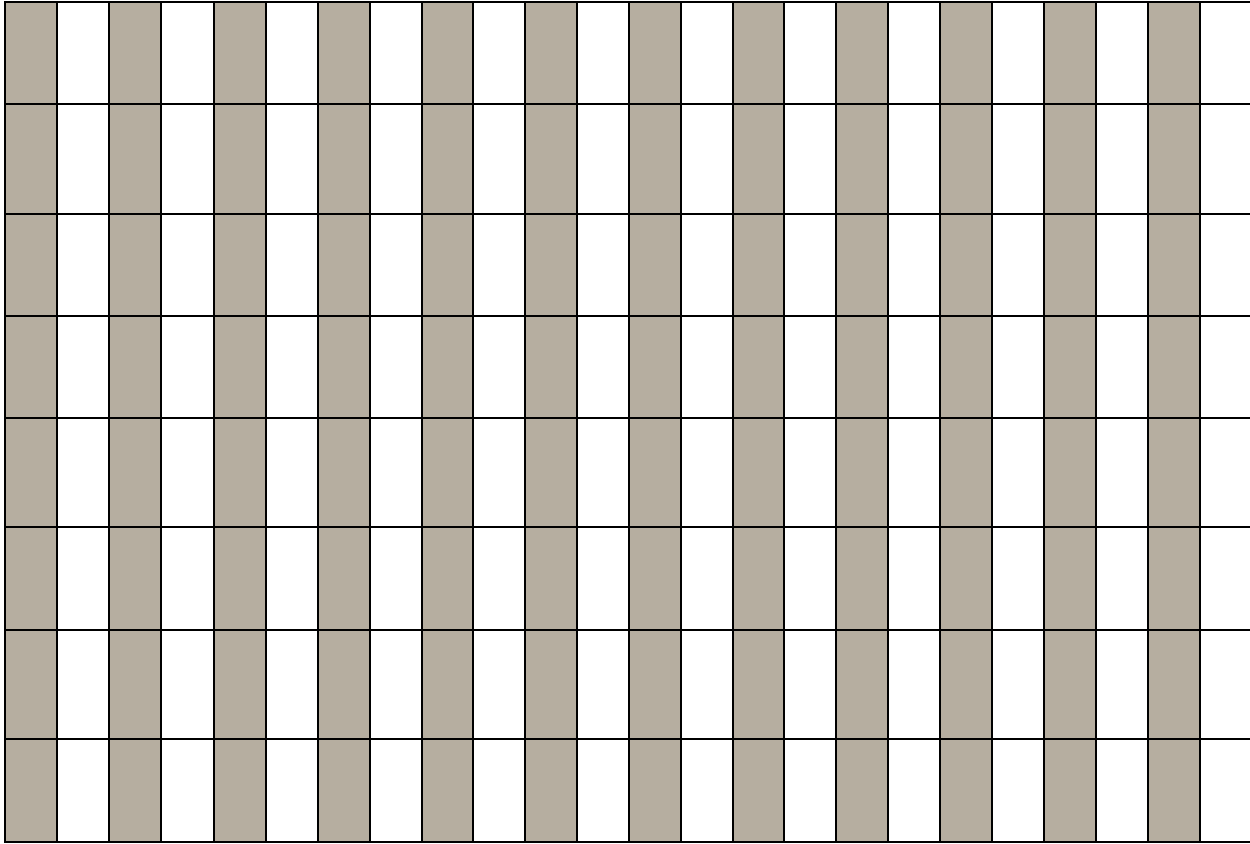
Using the grid below, colour your new version of the painting using 4 or 6 repetitions.

Extra Worksheet Grids

Extra Worksheet Grids