

# Mondrian

## Art Puzzles

People who gaze upon a piece of Mondrian art should ask how he decided which colors to paint where. The disgruntled person may even ask what the piece of artwork might have looked like if Mondrian had taken the time to color it all in...

In these puzzles you'll be Mondrian's nasty mathematical boss. Instead of allowing Mondrian to randomly draw rectangles and colors - you lay out precise requirements:

- 1) Mondrian must cover the canvass with rectangles.
- 2) Every rectangle on the canvass must be different... so Mondrian cannot paint both a 4x5 and a 5x4 rectangle.
- 3) Mondrian must try to minimize his score. The score of a painting is the area of the largest rectangle minus the area of the smallest rectangle.
- 4) When coloring, Mondrian must use as few colors as possible. Colors cannot touch along edges or corners.



Piet Mondrian in 1899