

Visualizing Sequences

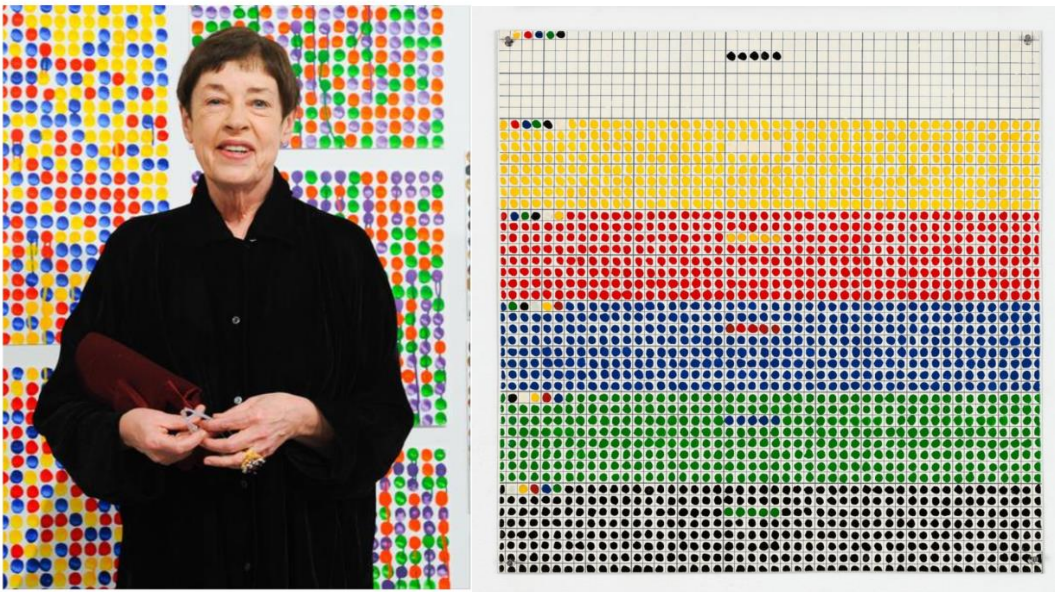
Think of a sequence of numbers like

$$1, 2, 4, 8, 16, \dots$$

Pick a grid – square, circular, hexagonal, triangular...

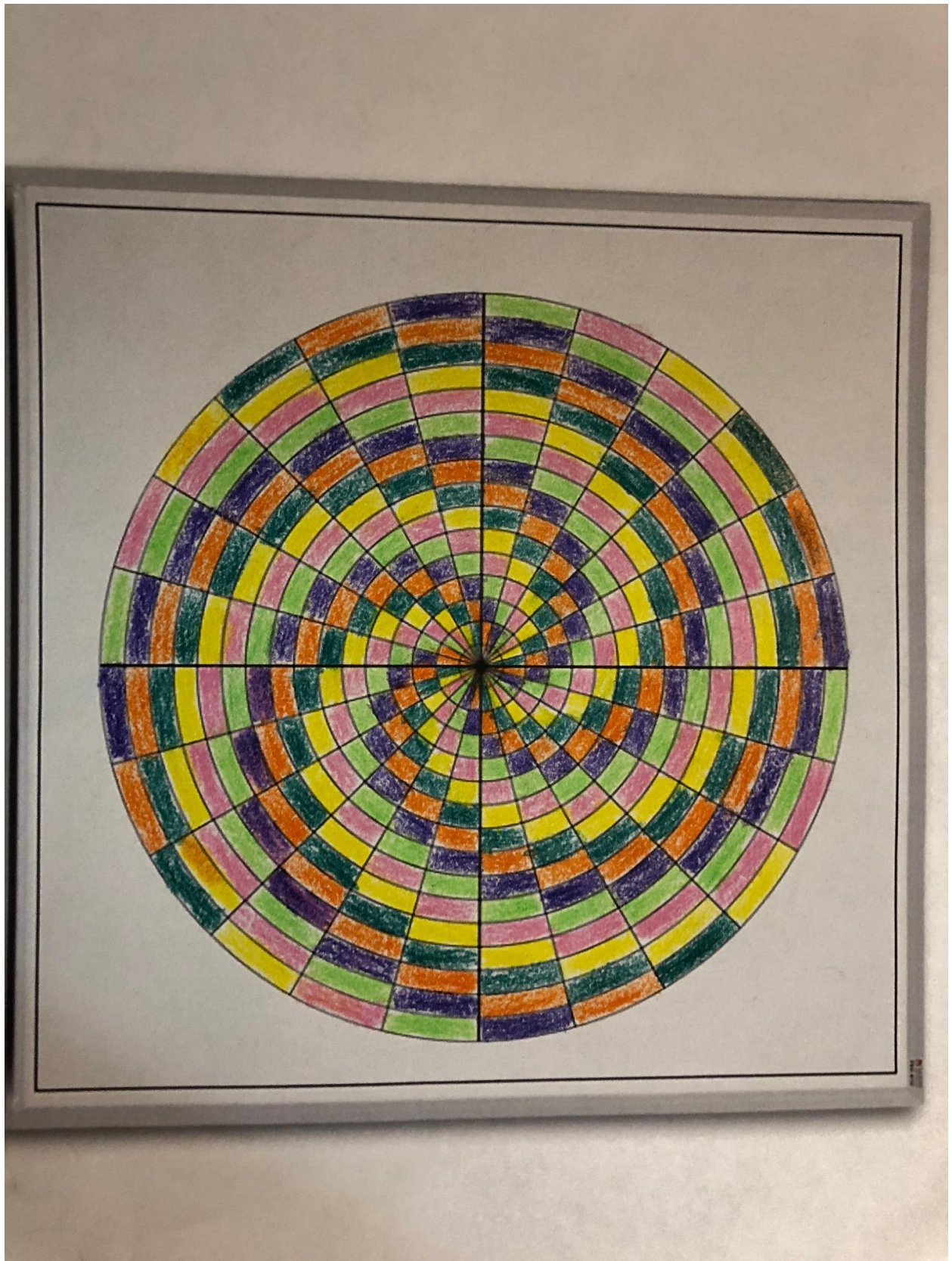
Using different colors as shown in the examples provided below and on the next page, put your sequence on the grid.

Jennifer Bartlett was an artist who loved to play with sequences in this way.



[Jennifer Bartlett | Color Counting, 1970 | Art Basel](#)

[The Merging of Art and Mathematics in Surface Substitution on 36 Plates – In Focus | Tate](#)



Find the area of the triangles & trapezoids.
Find the amount of space not colored.
area

