

The connections between math and art are strong and frequent, it can be a lot of fun when combining the two. You will see how mathematics is not just about formulas and logic, but about patterns, symmetry, structure, shape and beauty. Math and art can be broken down into a variety of topics like:

- Tiling's
- Polyhedral
- Golden Ratio
- Symmetry and Patterns
- Perspective
- Art
- Architecture
- Geometry
- Music.
- Symmetry in Nature.

*Resources:*

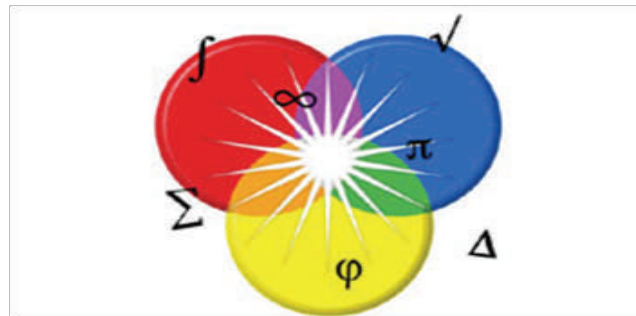
- <http://faculty.gvsu.edu/goldenj/mathinart.html>
- [www.math.nus.edu](http://www.math.nus.edu)
- [History.mcs.st-and.ac.uk/HistTopics/art/html](http://History.mcs.st-and.ac.uk/HistTopics/art/html)
- <http://techcenter.davidson.k12.nc.us/Group2/art.htm>




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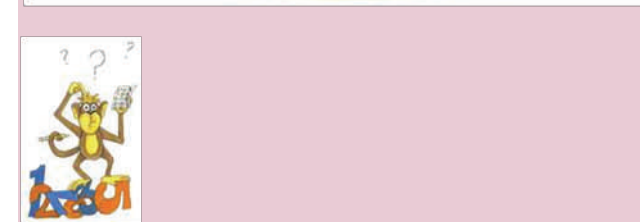
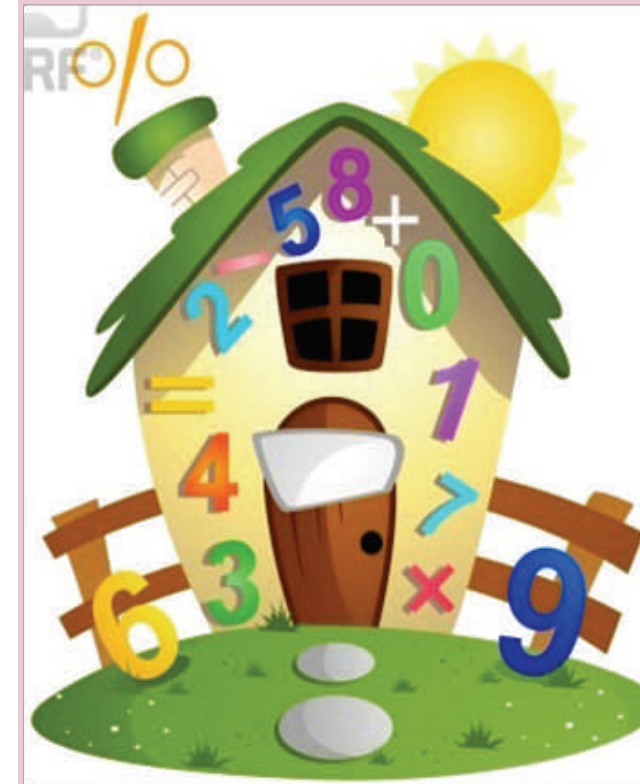
Daniela Giraldo

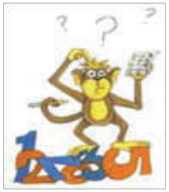


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# Math in Art





It might be said that math is discovered, where as art is created. Wherever you look there can be a mathematical problems created. For example buildings, air planes; cars; roads; sidewalks; streets, etc. Those are all examples of how math was used to build out society .



Math and art have a long historical relationship. The ancient Egyptians and ancient Greeks knew about the golden ratio, regarded as an aesthetically pleasing ratio, and incorporated it into the design of monuments including the Great Pyramid, the Parthenon, the Coliseum. Even in paintings, math is being used most of the time.

Fibonacci was especially true of the Greek whose art including urns, vases, statues and building frequently reveals the golden ratio and rectangle. Painters like Leonardo Da Vinci and Seurat were able to create beautiful masterpieces using this technique. Even in paintings most of the time math is being used. It is believed that Leonardo, as a mathematician, purposefully made this painting line up with Golden Rectangles in this fashion in order to further the incorporation of mathematics into art.

