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Art and Nature: It All Adds Up

The purpose of this project was to determine if mathematical formulae and principles were discernible in both art and nature, and to what extent they were visible upon investigation. This was done using principles such as golden ratios, golden rectangles, logarithmic spirals, and Fibonacci numbers. It was hypothesized by the researcher that the mathematical patterns would be present in both areas of nature and art. The researcher then used the knowledge obtained during the investigation to visibly locate and calculate the different formulae in multiple examples of nature and art. When these mathematic formulae were suspected, plastic overlay sheets were used to illustrate the use of them within the examples of artwork and nature. The researcher concluded that the hypothesis was supported by the data collected, in that, the math was present in chosen examples.