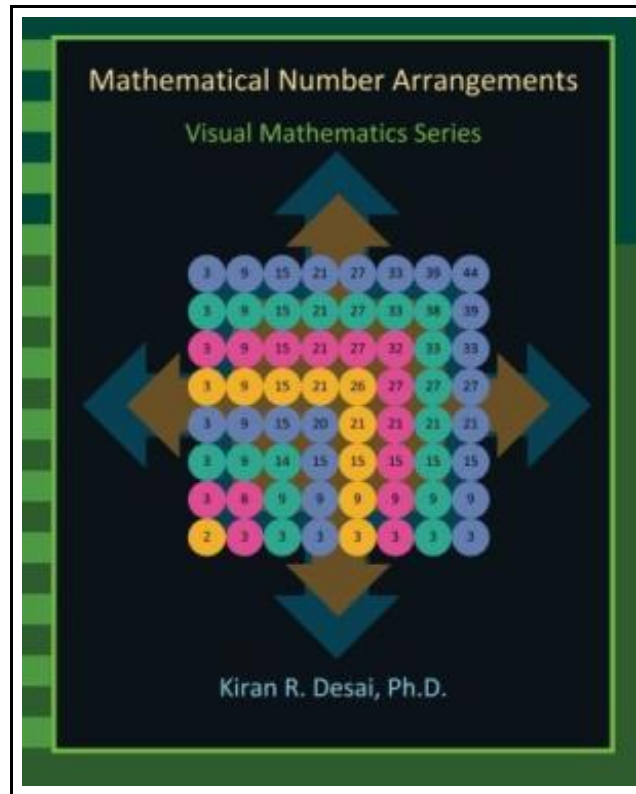# Mathematical Number Arrangements: Visual Mathematics Series

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Reviews

This is basically the greatest pdf i have got go through right up until now. It normally fails to cost excessive. Once you begin to read the book, it is extremely difficult to leave it before concluding.
(Genoveva Langworth)

MATHEMATICAL NUMBER ARRANGEMENTS: VISUAL MATHEMATICS SERIES

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 100 pages. Dimensions: 10.0in. x 8.0in. x 0.2in.This book is about constructing number arrangements in a two dimensional space. It illustrates many ways to place numbers on matrices of different shapes, so that their sum can be represented by mathematical equations. The use of color enhances the visibility of the number partitions according to the recurrence level or just the different classes. Many of the arrangements based on equations can be extended to larger size without the need to change existing number placements, resulting in a truly scalable number arrangement. The book starts with number arrangements based on least common multiples, Cartesian products, averages, and recursive product arrangements. The LCM based arrangements result in the total value for all cells of each color to be equal. The Cartesian product arrangements illustrate a way to generate a two dimensional matrix from linear number series representing any equation. So it is possible to create (135) crossed with (12345) to get a value for $f(n)$ $n2$ $n(n1)2$. The arrangements based on average are meant to generate additional matrices using simple average generation rules. The book then illustrates numerous ways to construct matrices of different shapes for a total sum of $n3$ or $n4$. They include different types of matrices such as rectangular, square, hexagonal, pentagonal, triangular, among others. In addition, a few regular matrices have also been generated with help from the computer to identify increasing levels for square matrices such that they have interesting number patterns for the different levels. Number arrangements based on factorials, exponentials, permutations, combinations, and Pascals triangle are also presented. Finally, a step by step method is provided to generate a matrix representation based on any arbitrary number. The topographical charts shown for...

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