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## Visual Mathematics Series: Elementary Math Problems

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By Kiran R Desai Ph D

Createspace Independent Publishing Platform, United States, 2011. Paperback. Book Condition: New. 252 x 202 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Solving the problems in this book will help demonstrate mastery of the mathematical concepts taught in elementary school. They are represented in a visually engaging manner in order to make mathematics more fun and interesting. More emphasis is paid to problem solving abilities rather than the usual mathematics grind. A visual approach should help bring a learner one step closer to developing the ability to solve real world problems. Problems presented in this book include: Finding the sum of consecutive numbers: sequential, odd, even, or constant distance Visual representation of single variable algebra Visual depictions for mathematical laws of associativity/commutativity/distributivity Visual partitioning of numbers based on factorization Mathematical constraint based addition/subtraction/multiplication Identification of regular patterns to simplify multiplication of fractions in a long series Computing statistical median and mean under visual representation of data Determining area of interesting shapes based on visual information Graphical charts: pie, bar, stacked, sorted, and doughnut Mathematical puzzles based on various mathematical constraints Multiply and add/subtract calculations for consecutive numbers ( $A \cdot x + B \cdot y$ ) Determining volume of solid objects depicted using...



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