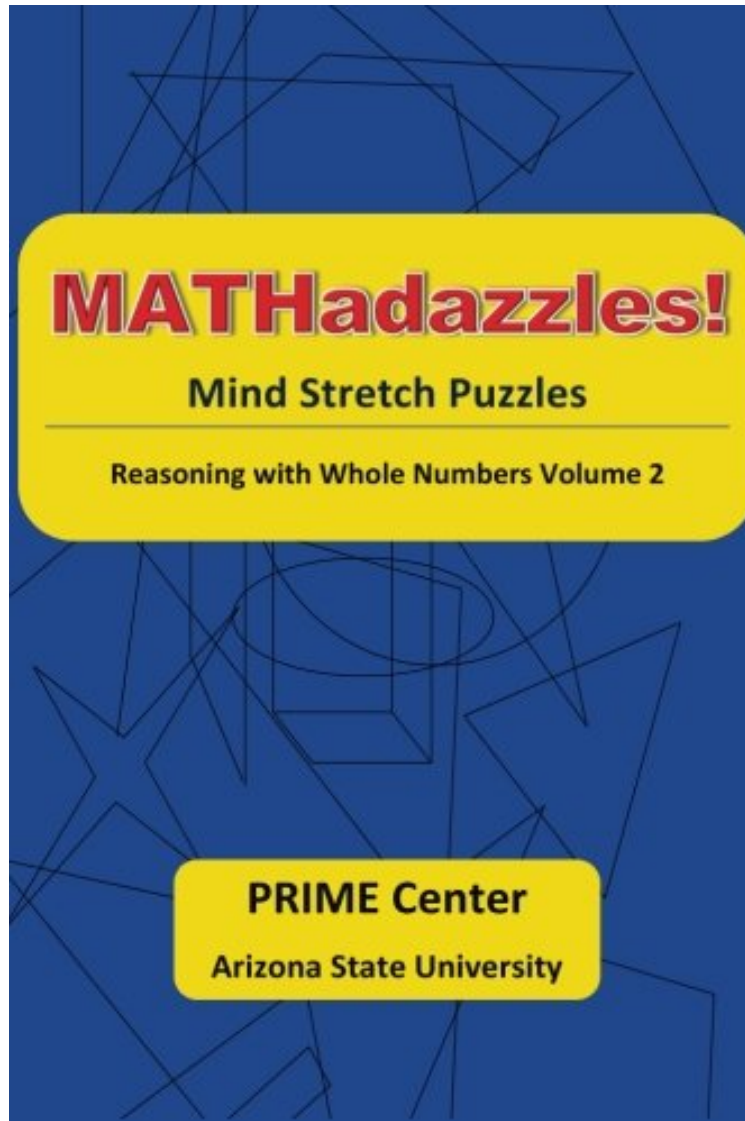


MATHadazzles Mind Stretch Puzzles: Reasoning with Numbers Volume 2

Carole E. Greenes, Mary C. Cavanagh
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MATHadazzles are intriguing number puzzles that sharpen your logical reasoning and problem solving talents, and put to use your knowledge of familiar and not-so-familiar numbers and mathematical operations. Your job is to use clues to place numbers 1-9 in a grid so that the numbers in rows and columns add to the circle sums at the ends of those rows and columns. And, some circle sums are missing. We tell you what they are, but you have to place them! No doubt you recall odd and even numbers, but do you know about abundant, deficient, and, oh yes, perfect numbers? What about prime numbers? Square numbers? Triangular numbers? Learn about these and other types of numbers and computations with them while solving the 78 MATHadazzle problems. To give you a head start, the various types of numbers and computations are defined at the front of the book. Answers are at the back of the book. MATHadazzles are arranged in order by level of difficulty from fairly easy to super challenging. Take the book everywhere you go. It fits easily into a pocket, shoulder or hand bag, and backpack. Solve MATHadazzles in the morning while eating breakfast at mid-morning for a thinking break after dinner for a brainy dessert! Enjoy!

About the Author Carole Greenes is a leading mathematics educator and an avid mathematical problem solver and problem creator! Dr. Greenes is Professor of Mathematics Education and Director of the Practice, Research and Innovation in Mathematics Education (PRIME) Center at Arizona State University, and author of more than 300 books, articles and games about mathematics for students and teachers, Pre-Kindergarten-Grade 12, including Big Math for Little Kids, Zuplez, Groundworks Series (Algebra, Number, Measurement, Geometry, Probability and Statistics), Think Tanks, and Algebra Readiness Made Easy. She is also author of the online MATHgazines for middle and high school students, and editor of the Arizona Association of Teachers of Mathematics online journal, OnCore. In her free time, she writes mathematical musical mysteries, four of which have been performed throughout the United States, writes children's math story books, and solves crossword puzzles. In 2003, while still at Boston University, she was inducted into the Massachusetts Mathematics Educators Hall of Fame. In 2011, she won the Glen Gilbert/Ross Taylor Leadership Award from the National Council of Supervisors of Mathematics. In 2012, the PRIME Center won the Arizona Center for Afterschool Excellence award for Outstanding Afterschool Programs. Mary Cavanagh is a mathematics educator always drawn to games, brain teasers, cards, and magic. She is Executive Director of the Practice, Research and Innovation in Mathematics Education (PRIME) Center at Arizona State University, Ph.D. candidate in curriculum and instruction, and author of more than 250 books, including mathematics textbooks programs, math activity books, games, articles, and science activities for families including EnVisionMATH, Grades K-6, Exploring Mathematics, Grades K-8, Math, Science, and Beyond Grades K-6, Zap, Twang, Buzz, Algebra Readiness Made Easy, Grades K-7, Math to Know, Math to Learn. She has taught all of the elementary grades as a classroom teacher and as a math specialist and has conducted math workshops for teachers throughout the United States, Australia, Germany and Okinawa. Although most of her bets are limited to 25, she loves poker. In her ballroom dancing activities, she finds mathematics applications in terms of combinations of turns, angles, and symmetry. She has used some of her science and magic for introductions and conclusions to dance routines. Her work on collections of puzzlers like MATHadazzles is always a joy.