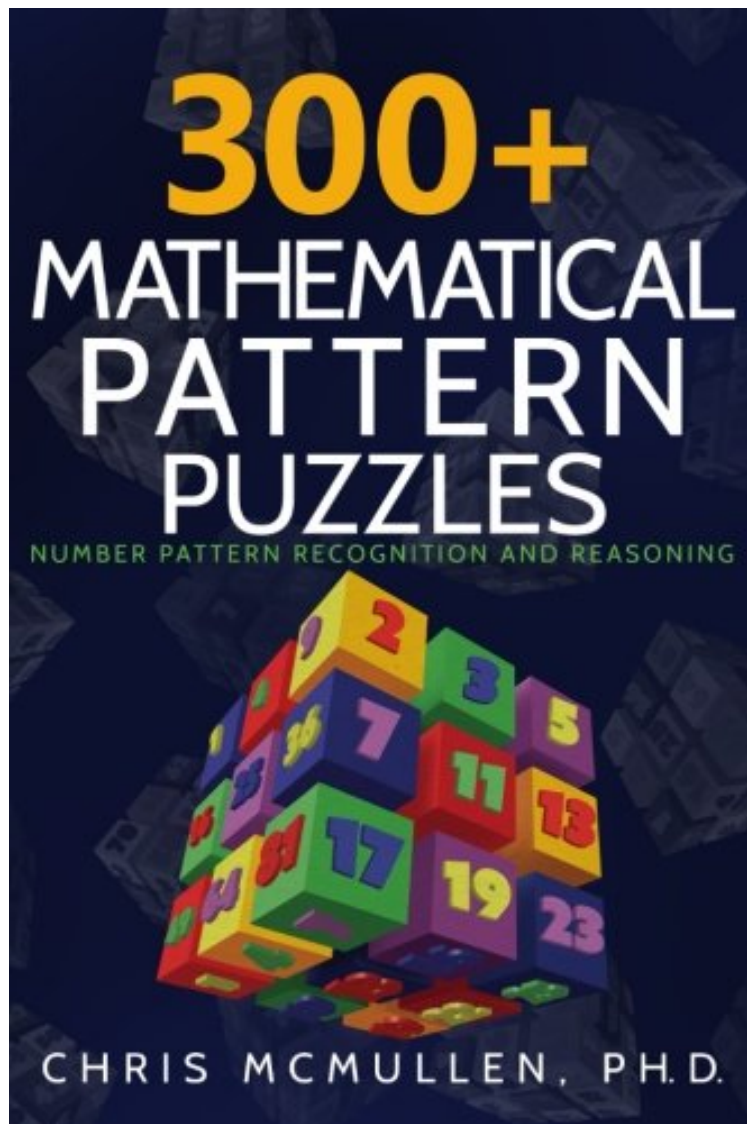


(Download) 300+ Mathematical Pattern Puzzles: Number Pattern Recognition Reasoning (Improve Your Math Fluency)

300+ Mathematical Pattern Puzzles: Number Pattern Recognition Reasoning (Improve Your Math Fluency)

Chris McMullen

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Chris McMullen : 300+ Mathematical Pattern Puzzles: Number Pattern Recognition Reasoning (Improve Your Math Fluency) before purchasing it in order to gauge whether or not it would be worth my time, and all praised 300+ Mathematical Pattern Puzzles: Number Pattern Recognition Reasoning (Improve Your Math Fluency):

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Enjoy a variety of mathematical pattern puzzles. It starts out easy with basic patterns and simple puzzles, and the challenge level grows progressively. This way, puzzlers of all ages and abilities can enjoy many of the patterns and puzzles in this book. Patterns include: Arithmetic Prime numbers Fibonacci sequence Visual puzzles Roman numerals Arrays and more Challenge yourself and develop useful skills: pattern recognition visual discrimination analytical skills logic and reasoning analogies mathematics Answers and explanations for all puzzles can be found at the back of the book. Each chapter begins with a brief introduction or review of the relevant concepts, followed by 2-3 examples of pattern puzzles with explanations.

From the Author SAMPLE PUZZLE Easy 9, 16, __, 30, __, 44, 51 Medium 3, 4, 7, 11, 18, 29, 47, __, __ Challenge 5, 50, 10, 40, 15, 30, 20, 20, 25, __, __ ANSWERS EXPLANATION Easy: 23, 37. Add 7 to each number: $9 + 7 = 16$, $16 + 7 = 23$, $23 + 7 = 30$, $30 + 7 = 37$, $37 + 7 = 44$, etc. Medium: 76, 123. Like the Fibonacci sequence, add the two previous numbers together: $3 + 4 = 7$, $4 + 7 = 11$, $7 + 11 = 18$, $11 + 18 = 29$, $18 + 29 = 47$, $29 + 47 = 76$, $47 + 76 = 123$. Challenge: 10, 30. Two different sequences are merged together. One sequence adds 5: $5 + 5 = 10$, $10 + 5 = 15$, $15 + 5 = 20$, $20 + 5 = 25$, $25 + 5 = 30$. The other sequence subtracts 10: $50 - 10 = 40$, $40 - 10 = 30$, $30 - 10 = 20$, $20 - 10 = 10$. Merge the sequence 5, 10, 15, 20, 25, 30 with the sequence 50, 40, 30, 20, 10 to get 5, 50, 10, 40, 15, 30, 20, 20, 25, 10, 30. About the Author Chris McMullen is a physics instructor at Northwestern State University of Louisiana. He earned his Ph.D. in phenomenological high-energy physics (particle physics) from Oklahoma State University in 2002. Originally from California, he earned his Master's degree from California State University, Northridge, where his thesis was in the field of electron spin resonance. As a physics teacher, Dr. McMullen observed that many students lack fluency in fundamental math skills. In an effort to help students of all ages and levels master basic math skills, he has published this Improve Your Math Fluency Series of math workbooks on arithmetic, fractions, algebra, and trigonometry.