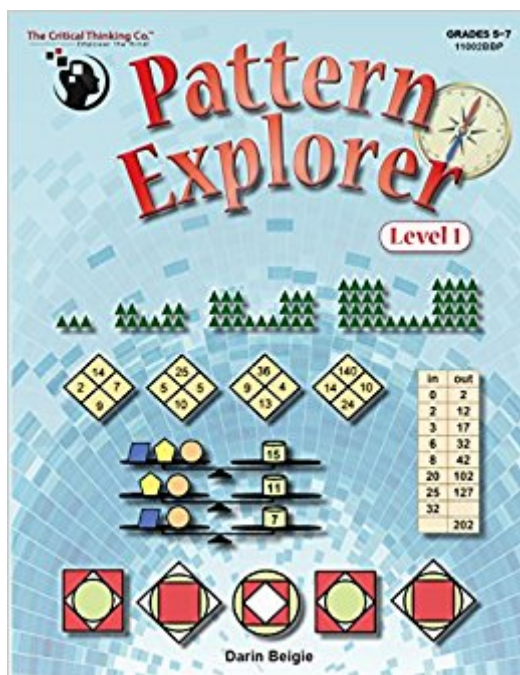


The book was found

Pattern Explorer Level 1 (Grades 5-7)



Synopsis

Mathematics and science can be thought of as a search for patterns and structure. Discovery and insight comes when patterns are recognized and structure is understood. Pattern Explorer provides rich and diverse collections of pattern problems for students to explore, investigate, discover, and create. Forty activity sets are divided into five themes that appear in rotating order: Pattern Predictor, Equality Explorer, Sequence Sleuth, Number Ninja, and Function Finder. The activities are independent and self-contained, but tend to build on one another and get gradually more sophisticated as the collection progresses. Each activity is accompanied by hints, and detailed solutions are included. Students are encouraged to explore the patterns with a sense of adventure and perseverance. The result will be rich and authentic experiences in mathematical reasoning.

Book Information

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Customer Reviews

Mathematics and science can be thought of as a search for patterns and structure. Discovery and insight comes when patterns are recognized and structure is understood. Pattern Explorer provides rich and diverse collections of pattern problems for students to explore, investigate, discover, and create. Forty activity sets are divided into five themes that appear in rotating order: Pattern Predictor, Equality Explorer, Sequence Sleuth, Number Ninja, and Function Finder. The activities are independent and self-contained, but tend to build on one another and get gradually more sophisticated as the collection progresses. Each activity is accompanied by hints, and detailed

solutions are included. Students are encouraged to explore the patterns with a sense of adventure and perseverance. The result will be rich and authentic experiences in mathematical reasoning.

I love this company and this book is one of their best (in my opinion, of course!) Seeing patterns and understanding mathematical relationships is a large part of what makes for great math skills. This book will make your kids (and you!) put on your thinking cap. At the same time, the exercises are fun - I never hear any complaints when I pull this book out for the kids to work on. I think the pages have a nice number of problems without being overwhelming. My 8 and 9 year olds have been working through it - the 8 year olds require extra hints, sometimes, but my 9 year old does well on his own. The problems in the book cycle through five different "types" of problems and get progressively more difficult throughout the book. The equality explorers were our favorites and we purchased the Critical Thinking Co's Balance Benders book to get more of them! The book is pricier than someone workbooks but it will probably take some time and thought to get through - so it's a good value for the cost.

I am a math tutor. I look for books that have pages with fun and engaging problems that are for the STUDENTS not for the TEACHER. I've ordered several books where I can't see what's inside and what I find when I read them is that there is a lot of written out explanations and/or the problems are jammed unattractively onto the page without a lot of space so that I have to re-copy the the problems that I like for my students. This book, on the other hand, is page after page of problems that are visually engaging and stimulate algebraic thinking. Every single page of this book is ready to go. And my students love these problems. I am looking for level 2 and beyond. I hope the publisher makes more versions of level 1 as well.

As a private tutoring company owner I always look for materials to accelerate my students of all strengths. This book, just like the other two I bought from the series, also written by Darin Bigie, Math Analogies Level 3 (Grades 6-7) and Mathematical Reasoning Middle School Supplement (Revised), present refreshing math challenges that are unique and thought provoking. I found that the patterns cover all topics of math though preAlgebra in clever and fun formats. These books are must-haves if you are a math teacher or a tutor.

This book was purchased for upcoming sixth grade students. Each activity will be used sometime throughout the school year as a brain game to begin each school day. It provides a great variety of

challenges for students, which could easily be used for more than one school year as well.

Our 11-year old son enjoyed this math workbook immensely and was proud to have recently finished it after completing a page per day for fun. The problems are interesting. He cannot wait for the next book!

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