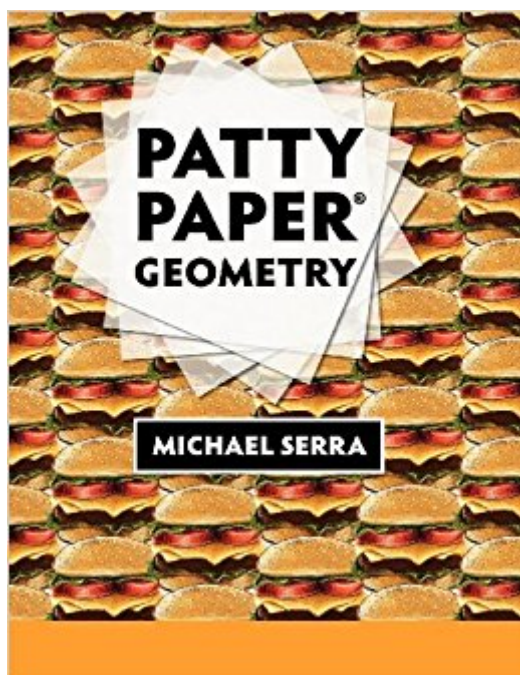


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Patty Paper Geometry



Synopsis

Written by Michael Serra, the best selling author of *Discovering Geometry*, *Patty Paper Geometry* contains 12 chapters of guided and open investigations. Open investigations encourage students to explore their own methods of discovery, and guided investigations provide more direction to students. Use *Patty Paper Geometry* as a supplement to your geometry program or even as a major course of study. Author: Michael Serra, Pages: 262, paperback, Publisher: Playing It Smart, ISBN: 978-1559530723

Book Information

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Customer Reviews

Using *Patty Paper Geometry* the students in my class were successful from the start. *Discovering* the four different points of concurrency in triangles was the first set of investigations my students performed with patty papers, and the list of discoveries quickly grew. Soon they were doing more than paper folding. They were using second sheets of patty papers to check congruence of segments, angles, and polygons. They were able to transfer distances just as if they were using a compass, and they used the right angled corners to quickly check for right angles or locate perpendicular distances. Everything I needed for a full year of geometric discoveries was right there in a box of patty papers! *Cooperative learning* is the most effective mode of classroom instruction for doing investigations in *Patty Paper Geometry*. The best group structure for *Patty Paper Geometry* is pair-share. In pair-share, students who ordinarily work in groups of four break into two pairs. One student in each pair reads the instructions to their partner while the partner does the

folding. The pair compares its results with the results of the other pair in the group. The group then makes its conjecture. For the next investigation, both the pairs and the roles switch. This cooperative group structure will help you get all your students involved in sharing the excitement of discovery learning. A separate student workbook is available that contains the open investigations and most of the exercise sets.Â Caution: Patty Paper Geometry is addictive!

What Do Hamburgers Have to Do with Geometry? Nothing, but theÂ translucent squares of paper used by restaurants to separate hamburger pattiesÂ have a LOT to do with it!Â Â Best-selling author Michael Serra, brings discovery through paper-folding activities to the classroom with his exciting bookÂ Patty Paper Geometry. Patty paper is perfect for geometric investigations. You can write onÂ the paper, trace, and see creases when you fold it. It's a great way to explore geometry from a hands-on, tactile approach. Â Patty Paper GeometryÂ includesÂ dozens of activitiesÂ that fosterÂ cooperative learning, increase students'Â geometric vocabulary, and motivate kidsÂ to read, write, and talk about geometry. This blackline master book, contains 12 chapters of open and guided investigations. Open investigations encourage students to explore their own methods of discovery, and guided investigations provide more direction to students or can be used as a teacher's guide. Each chapter includes exercise sets, providing constant review. A separate 82 page student workbook is available, containing most of the open investigations as well as some exercise sets.

I LOVE LOVE LOVE this book! I did not order patty paper with the book, but should have. Patty paper is not easy to come by, unless you go to a restaurant supply store. This is a very fun, cool way to teach geometry topics to your students! I was introduced to this book at a math conference and could not wait to get home and order it! Much cheaper than in stores or at the book fair!

Would highly recommend this book for math or geometry teachers. It provides hands on learning ideas for many concepts that are abstract. Excellent book. The student workbook corresponds well with it.

This is a very fun way to learn geometry.

I really like the text "Discovering Geometry" by the same author, but the district didn't re-adopt his book. This paperback book has a lot of great activities for the geometry classroom that are easy for

a new teacher to use no matter what text the district adopts. Also, there are puzzle-type figures in each section that are terrific for review.

Used as independent exercises to supplement an existing unit, as a replacement unit, or together with Discovering Geometry or Exploring Geometry with Geometers' SketchPad, students can actually "see" abstract ideas in very concrete terms that help them make sense of the concepts. I've used these activities since the book came out, but I've had to keep buying new copies because colleagues borrow mine then never seem to return them!

Great way to spend time learning about geometry - hands on activities always increase learning.

Not as many activities for eighth grade as I thought there would be.

Totally, totally amazing. I was not a math kid in high school, but when I used this book with my son I was blown away. This gave us the hands-on experience I could have used in school myself. I would even play with the lessons and patty paper on my own ... just for fun. We were able to understand geometry in a way that will help us to fully understand the concepts for a long, long time.

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