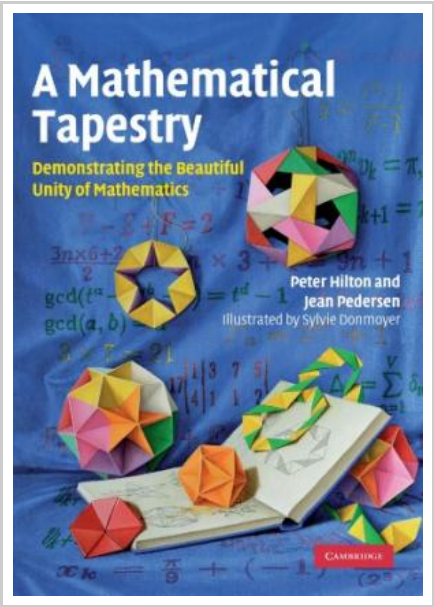

A Mathematical Tapestry: Demonstrating the Beautiful Unity of Mathematics

By Peter Hilton, Jean Pedersen, Sylvie Donmoyer

Cambridge University Press. Paperback. Book Condition: new. BRAND NEW, A Mathematical Tapestry: Demonstrating the Beautiful Unity of Mathematics, Peter Hilton, Jean Pedersen, Sylvie Donmoyer, This easy-to-read 2010 book demonstrates how a simple geometric idea reveals fascinating connections and results in number theory, the mathematics of polyhedra, combinatorial geometry, and group theory. Using a systematic paper-folding procedure it is possible to construct a regular polygon with any number of sides. This remarkable algorithm has led to interesting proofs of certain results in number theory, has been used to answer combinatorial questions involving partitions of space, and has enabled the authors to obtain the formula for the volume of a regular tetrahedron in around three steps, using nothing more complicated than basic arithmetic and the most elementary plane geometry. All of these ideas, and more, reveal the beauty of mathematics and the interconnectedness of its various branches. Detailed instructions, including clear illustrations, enable the reader to gain hands-on experience constructing these models and to discover for themselves the patterns and relationships they unearth.

Reviews

Thorough guideline! Its this kind of excellent read. This is certainly for all those who statte there was not a well worth reading. Your way of life period will probably be transform once you complete reading this book.

-- ***Mrs. Alia Borer***

This publication is worth acquiring. It is actually full of knowledge and wisdom You are going to like the way the blogger publish this book.

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