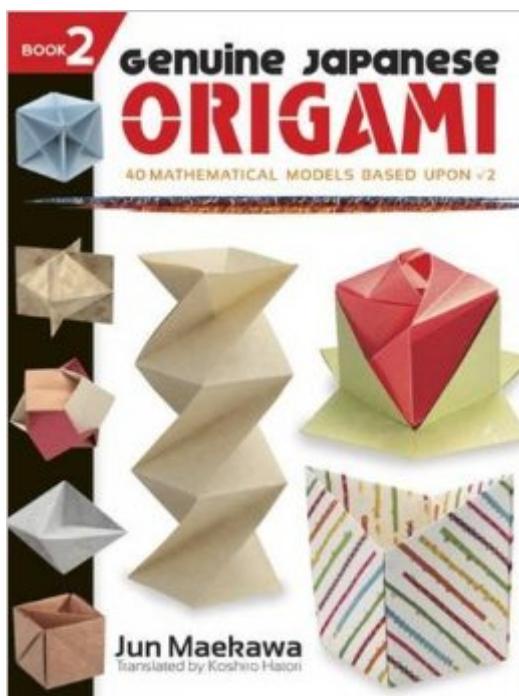


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# Genuine Japanese Origami, Book 2: 34 Mathematical Models Based Upon (the Square Root Of) 2 (Dover Origami Papercraft)



## Synopsis

Unique and wildly creative, this mathematical approach to origami was invented by a Japanese master of the art. Jun Maekawa regards paperfolding from a perspective guided by geometric and aesthetic principles. In this captivating how-to book, he illustrates his point of view with directions for constructing 34 fabulous items, including cubes, towers, and geometric shapes as well as puzzles and figures of everyday items. This is the first publication outside Japan of these original models, offering advanced beginners and serious origamists a combination of simple and complex figures and an intriguing blend of art and science. Rather than the square-shaped paper familiar to American folders, all models employ rectangular sheets of paper — that is, sheets with an aspect ratio of 1:1.41, or 1: $\sqrt{2}$ . Instructions for making rectangular origami paper are included.

## Book Information

Series: Dover Origami Papercraft

Paperback: 128 pages

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Age Range: 12 and up

Grade Level: 7 and up

## Customer Reviews

These models are all challenging but rewarding and educational. Diagrams and explanations are clear and thorough. This book builds interpretation and performance skills, but it requires a degree of dedication. Absolute beginners may find many of the models very difficult. Consider buying A4 paper rather than cutting USA paper to size.

Interesting unusual origami models. Well written and clear, but do note many of these are complex foldings. Many of the geometric figures do use several sheets of paper which is characteristic of these types of models.

You get some great origami in this beautiful book with the most helpful diagrams you could imagine. I wish Western origamists would study diagram making from the Japanese as they have a lot to learn. Jun Maekawa is renown for his difficult origami but this book as most of his other books begins with easy Origami progressively getting more difficult. All the designs are based on the silver rectangle or 1:square root 2. as always in good origami books the two sides of the paper are made clear by the use of white and grey. A great little essay on rectangular papers through the ages up until now round off this most excellent of Origami books. This book would be very handy for people who do not have access to square paper but can get their hands on computer size document paper.

Love a lot of the designs, but some are difficult to understand how to proceed with folds from one step to the next - line drawings/illustrations don't always show everything you need to see. The projects in this book use mostly A4, A5, A6 paper, but not US standard 8.5 x 11 inch. However, it's fairly easy to cut US paper to size for these projects. Once the projects are understood, it's fun to come up with your own patterns to embellish the projects. For example, the cover photo shows a patterned paper being used.

If you've got a pack of A4, or you're inclined to cut rectangles to size, this book is terrific. It really shows the range of work that Maekawa is capable of and is not limited to one particular genre. His distinct style is evident in each model. Highly recommend.

While giving many geometric models demonstrating the main theories, this book details the many fascinating inter-relationships of the square root of 2 and polygons. Some of the older Japanese origamians preferred the silver rectangle (1:v/2) to the square. This book tells why and gives examples. A good addition to your origami library.

This is a great book, it features many different designs and is good for anyone. It has great instructions and highly detailed pictures so you know where you are in every fold. I have this book and when I use it, the fun never ends. I recommend this book for anyone that is urged by origami

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