# ORIGAMI



30 FOLD-BY-FOLD PROJECTS





If you mention pizza to an Italian or samba to a Brazilian they will know instantly what you mean and it is the same if you say origami to the Japanese, they understand immediately that you are talking about the art of paperfolding. They might even be so flattered by your interest in the subject that they would give you some tips on the craft. They may probably even fold a crane bird for you, which is the traditional Japanese model that many Japanese people can fold. However, just as nowadays pizza and the samba are not confined to their country of origin, origami is found not only in Japan but has also been introduced into many countries. · If you are interested in finding out more

about the history of paperfolding, you will

come across two different traditions, that

independently of each other: an Asiatic

developed

believed to have

are

and a European tradition which originated in Spain. The craft of origami as we know it today in the West began in the early 1950s in England, and contacts with Japan for a deeper knowledge of the art soon inspired others to form a network of enthusiastic and creative paperfolders in Britain, the United States and Europe.

- became deeply interested in the craft of origami, I have discovered that it involves not only folded paper figures but also the personalities and nimble fingers of their originators. I have traveled through many countries trying to trace these people and, in this book, I will present some of the models I came across during my trips.
- Folding brings opportunities for unfolding!

Paulo Mulatinho



Paulo Mulatinho

## Origami

30-Fold-by-Fold Projects

CHARTWELL BOOKS, INC.



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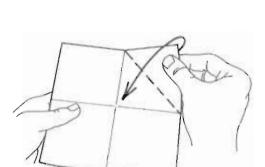




#### What do I need for origami?

The answer is simple: just paper! You can find paper just about anywhere in many different qualifies and sizes. You can use any type of paper you like as long as it can be folded. One-colored or multicolored, thick or thin, smooth or rough, expensive or cheap, large or small — it all depends on your taste and the model you want to make. You can use gift wrapping-paper, drawing-paper, writing-paper, parcel wrapping-paper, paper used for handicrafts, and so on. The only disadvantage of these types of papers is that you first have to cut them to the correct starting size for your model - in most cases a square, sometimes 11.6 x 8.25 in (29.7 x 21 cm). If you want to save yourself this chore, you should buy origami paper which comes in a square and is ideal for folding. Your local stationery or handicrafts shop will probably have a selection. I take a little pack of origami paper with me everywhere and am ready to start folding whenever the occasion presents itself.

#### Symbols



Folding is easy ...







Colored side up



Fold forward and backward



Turn over the model

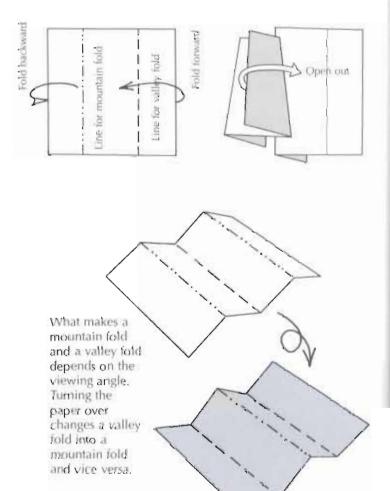


The following drawing is shown to a larger scale



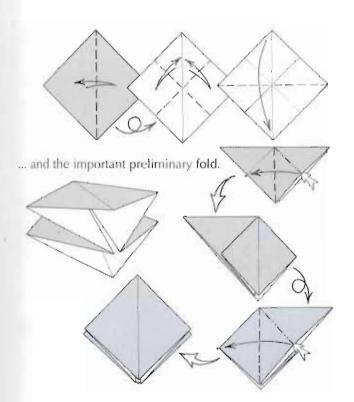
Open out the model at this point and fold it in the direction shown

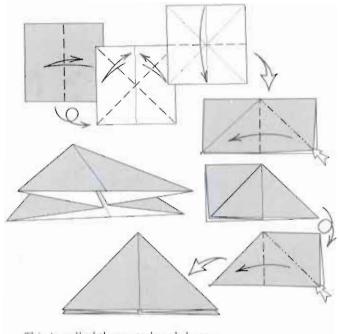
In the following instructions you will find all the information you need for folding a model set out in the form of drawings. Lines and arrows tell you what to do. Each of these internationally accepted symbols has its own meaning and is explained here. In the instructions themselves I have only added explanatory text where I considered it helpful, or to point out stages where things may possibly go wrong. Each individual step shows which fold should be made. The result of this fold is shown in the following drawing for



the next step.

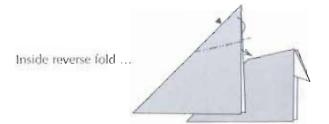
The instructions in this book, with the mountain and valley folds and the different types of arrows, constitute a kind of "language" between you and me: you would like to fold the model shown and I would like to explain the folding sequence to you by means of the drawings. Since we cannot hold a "true" dialogue, I hope that as few misunderstandings as possible will arise between us. However, if any do, the fault is certainly mine. I do realize that a set of instructions cannot be perfectly clear to everyone.



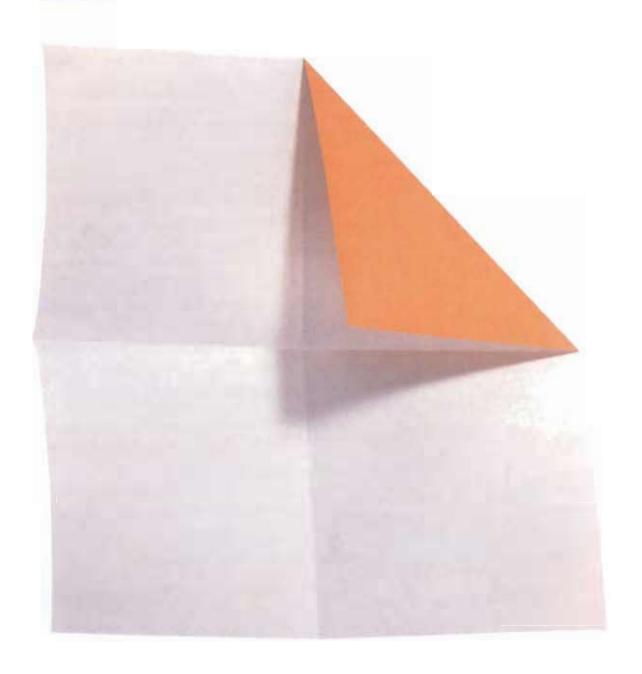


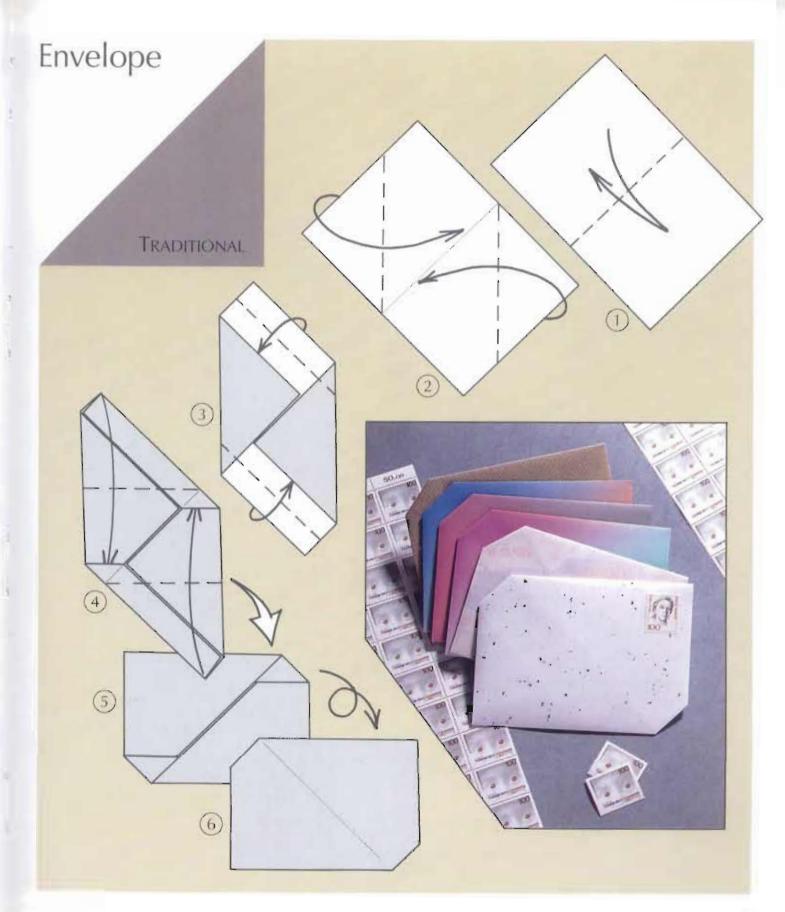
This is called the waterbomb base ...

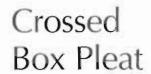
Beginners especially, who are not that familiar with the rather technical drawings, can easily get stuck during the folding, each one in a different place. Worrying over it just does not help. Put the paper aside, do something else for a while, and at a second attempt you will probably get the hang of it immediately. Do not worry about making mistakes, they can lead you to your goal.

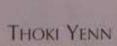


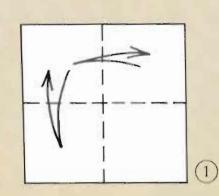
# Simple and Amazing Models

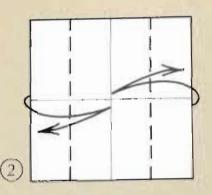


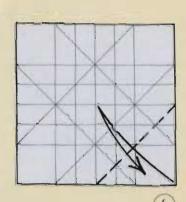


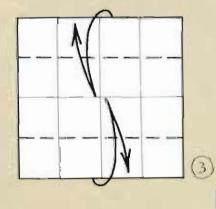


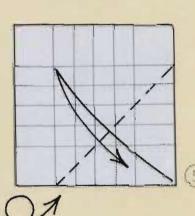


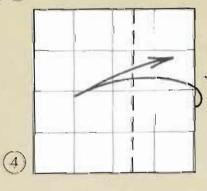




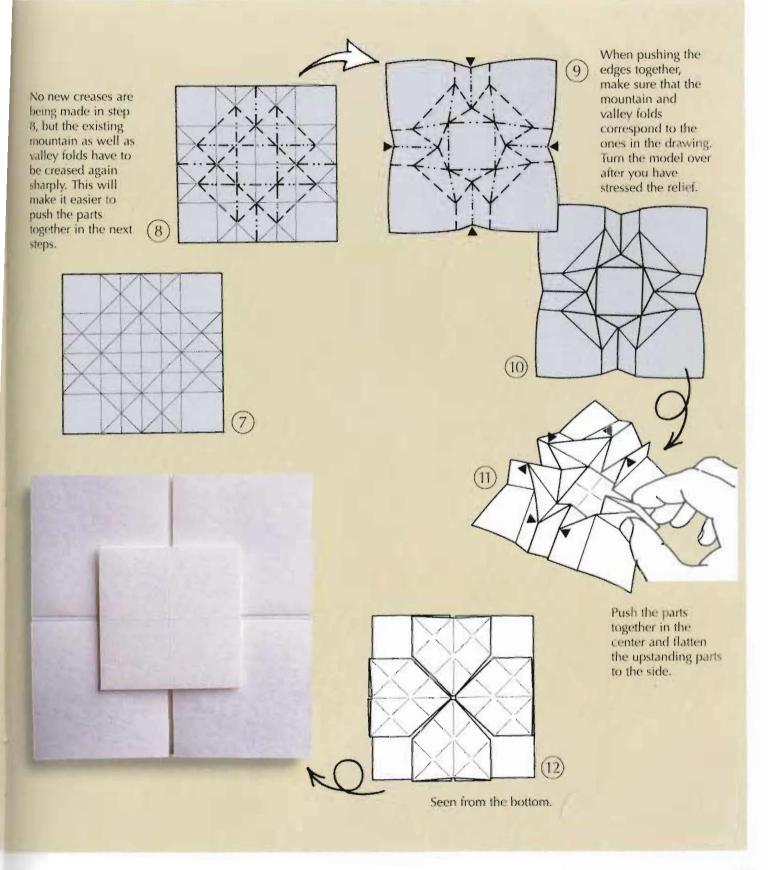


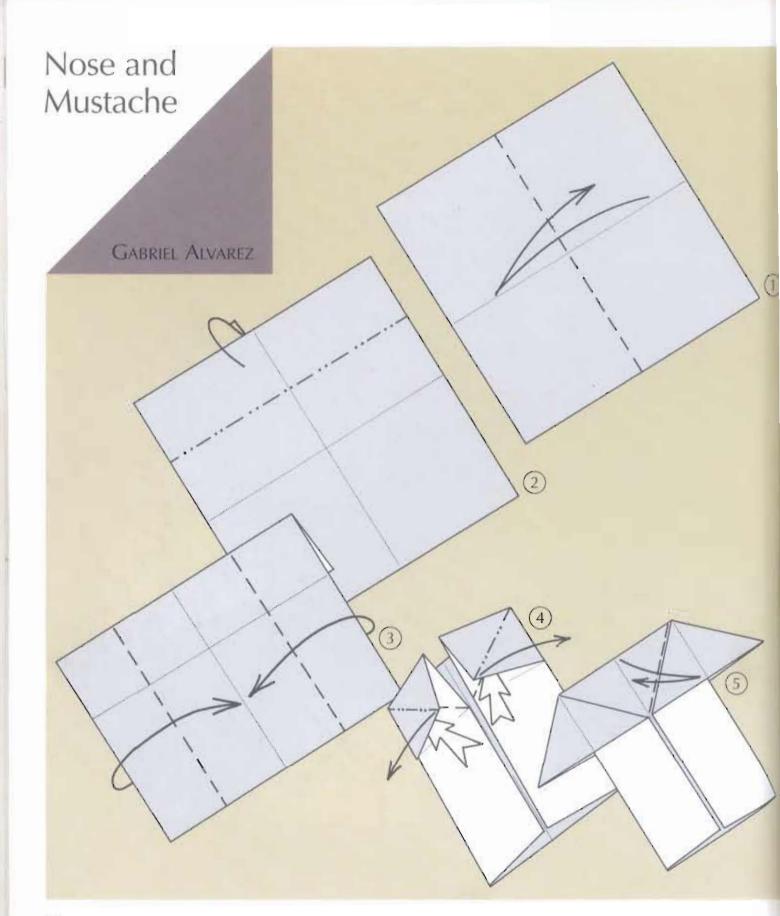


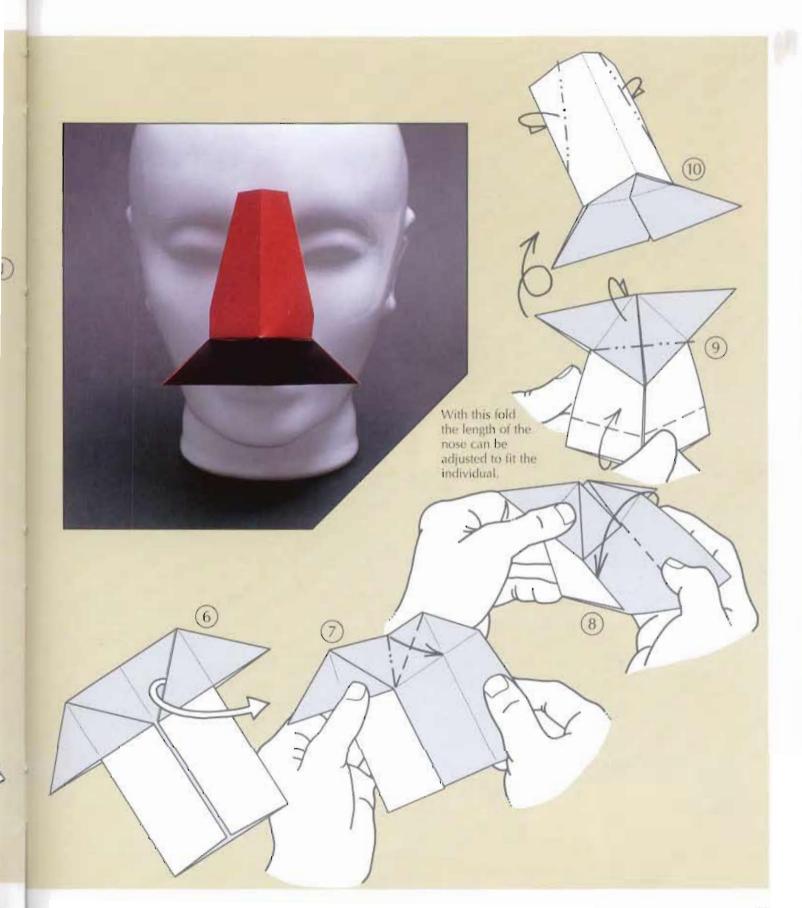


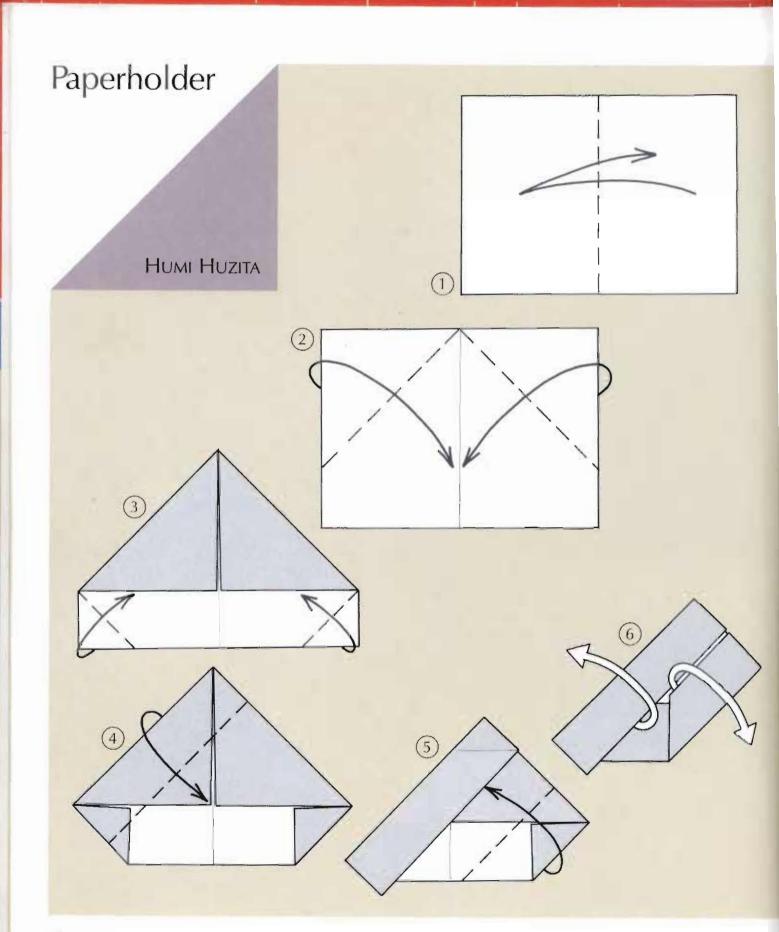


Repeat the tolds shown in steps 1,5 and 6 with the other three edges and comers respectively.

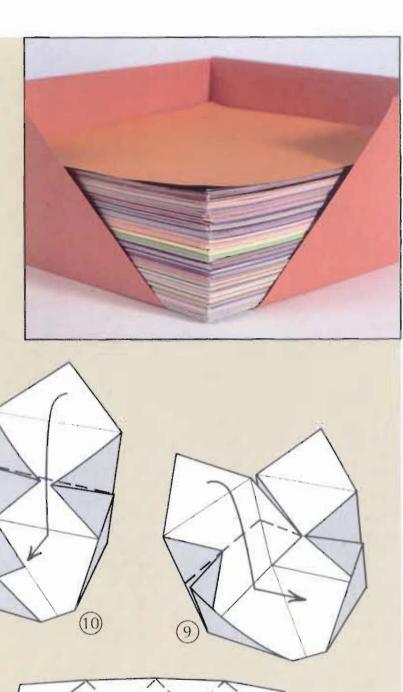


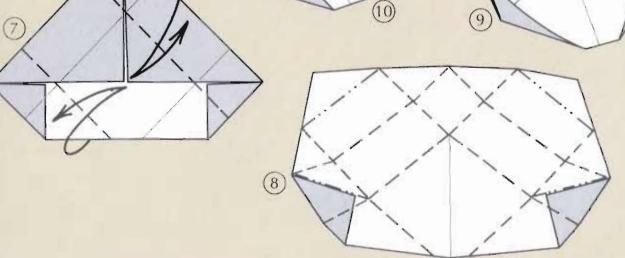


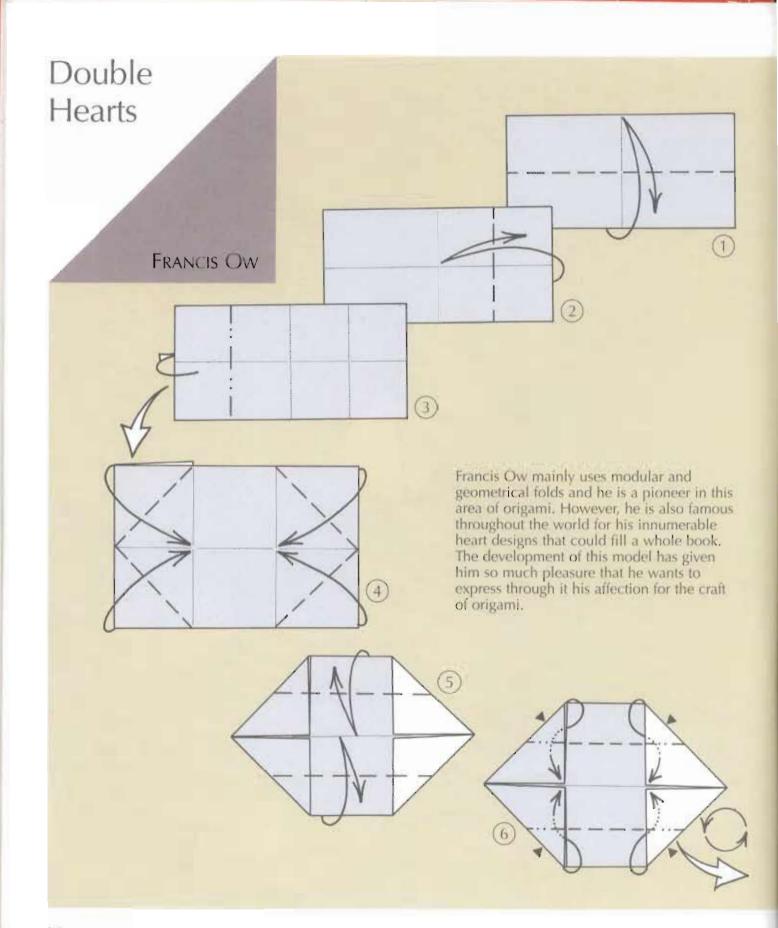


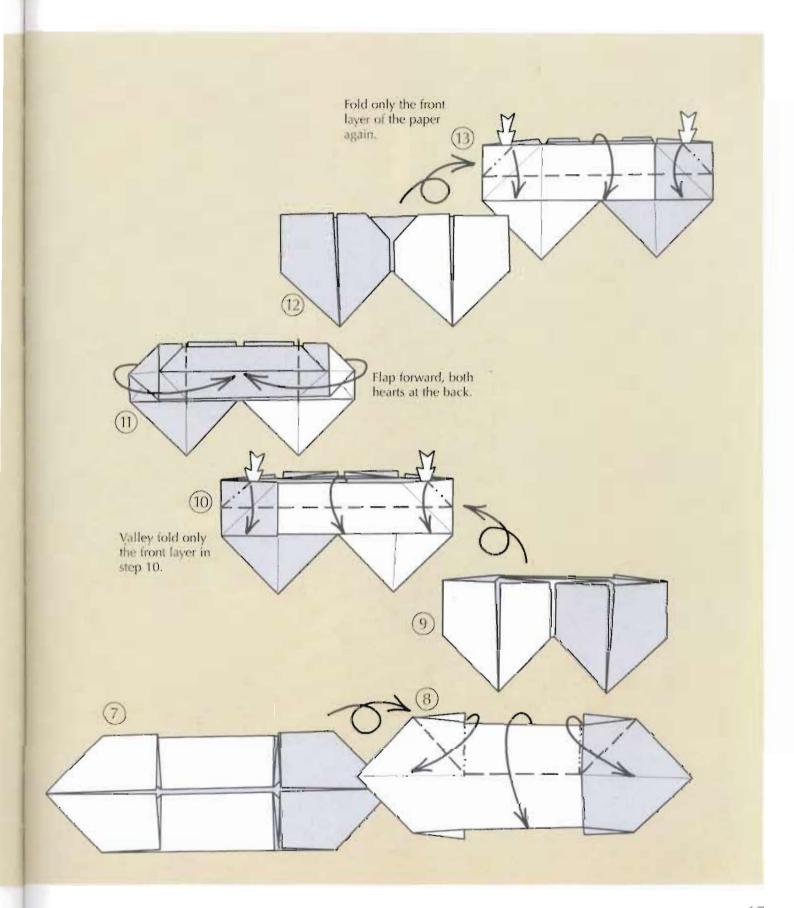


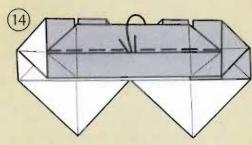
This model by Professor Humi Huzita can be used for many purposes. When paper size  $11.6 \times 8.25$  in  $(29.7 \times 21 \text{ cm})$  is used for this model, depending on the thickness of the paper, it will be suitable for a "caddy" with a base measuring approximately  $4 \times 4$  in  $(10.5 \times 10.5 \text{ cm})$  that can be used for holding memo-paper, and also for computer disks or for music cassettes. For the origami paperholder shown in the picture (base  $6 \times 6$  in  $(15 \times 15 \text{ cm})$ ), I have used a starting size of  $17 \times 12$  in  $(42.5 \times 30.2 \text{ cm})$ .



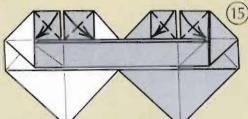


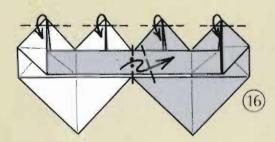




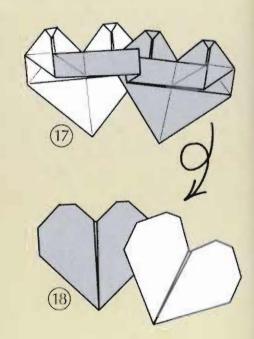


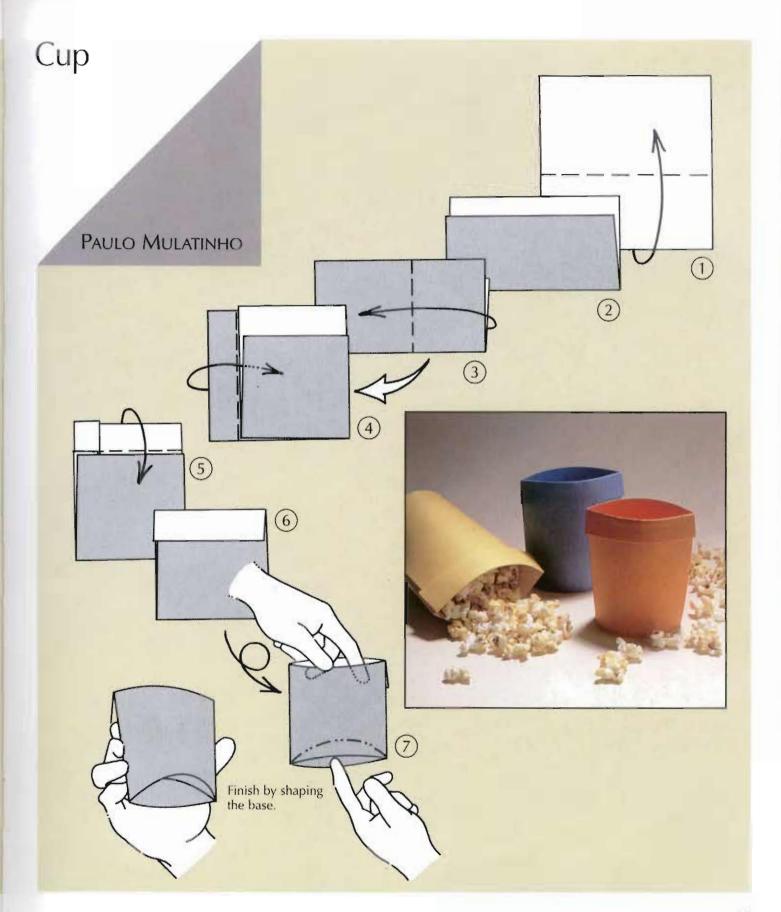
Hide the bridge on the inside.

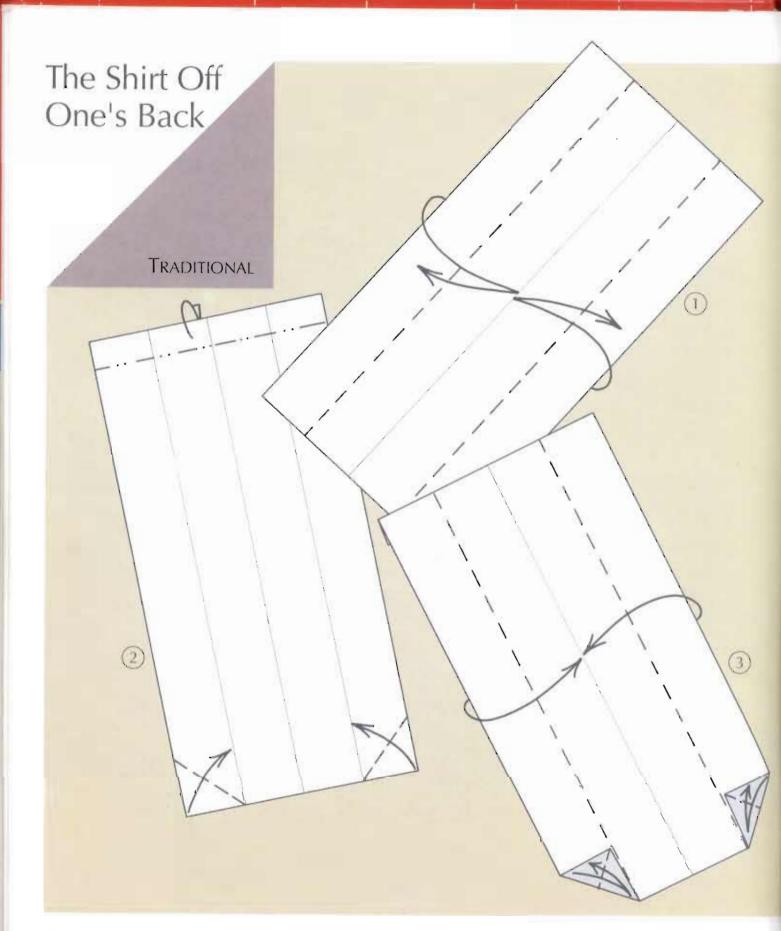


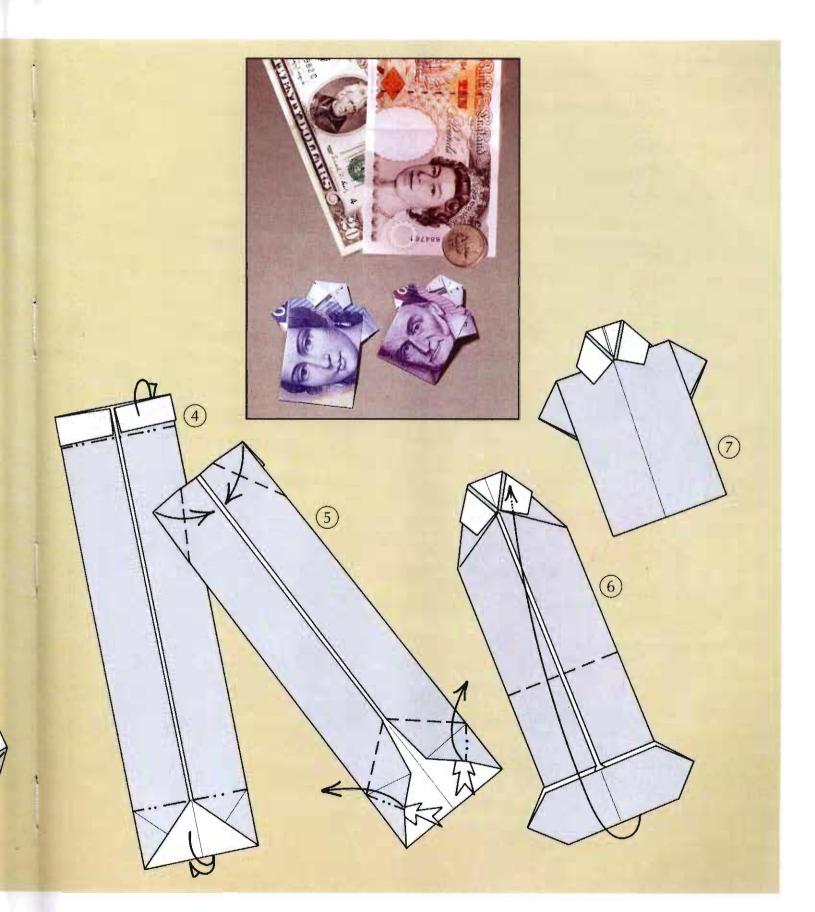


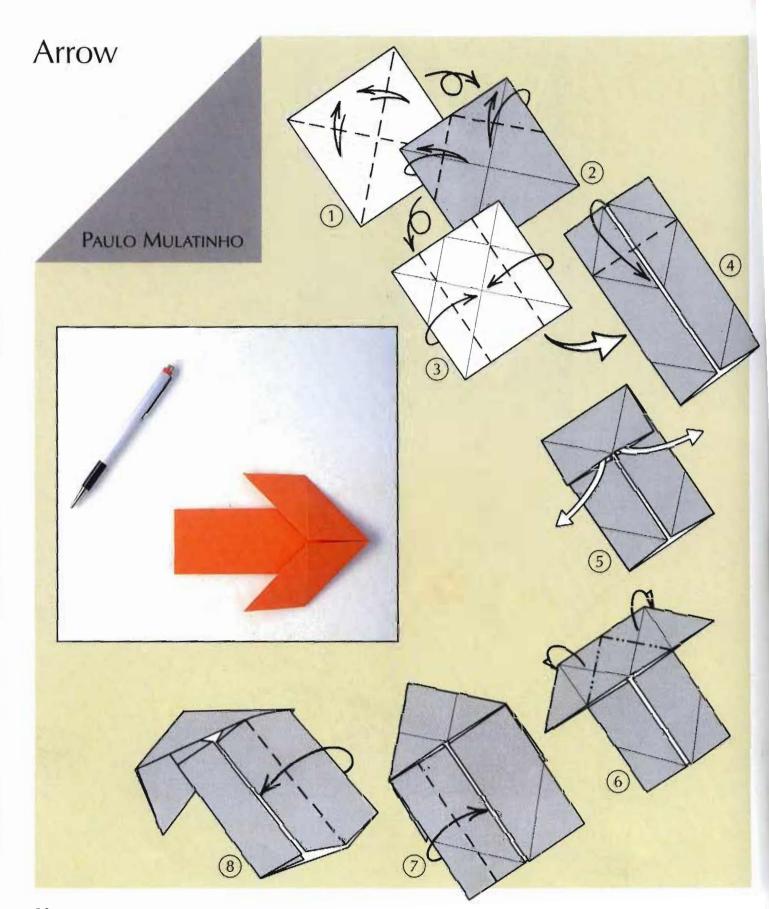


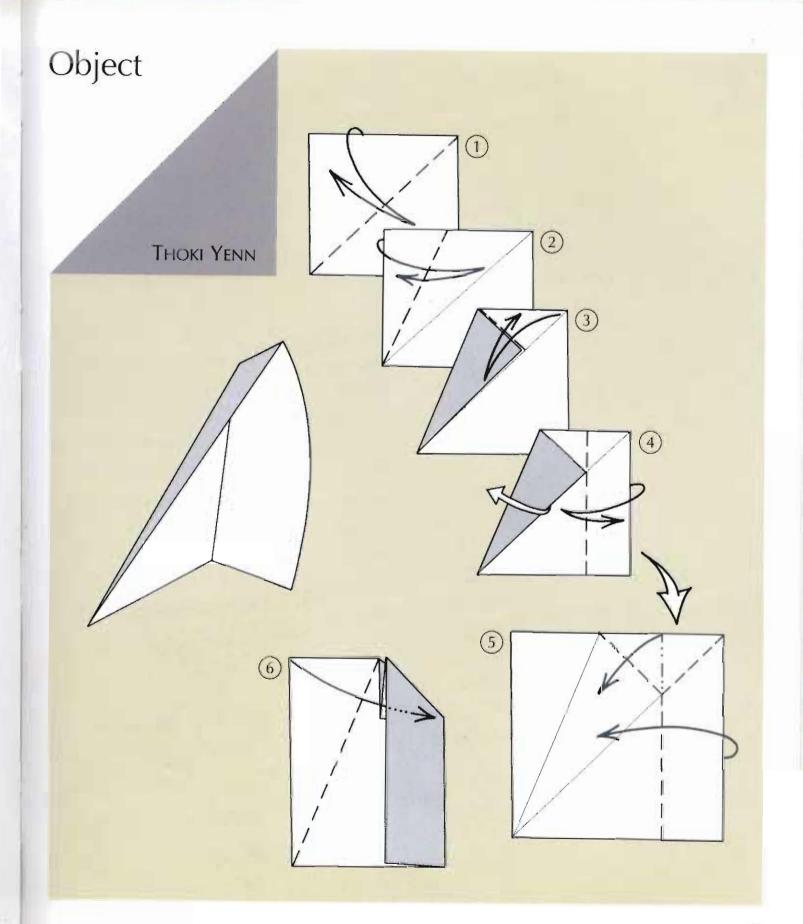


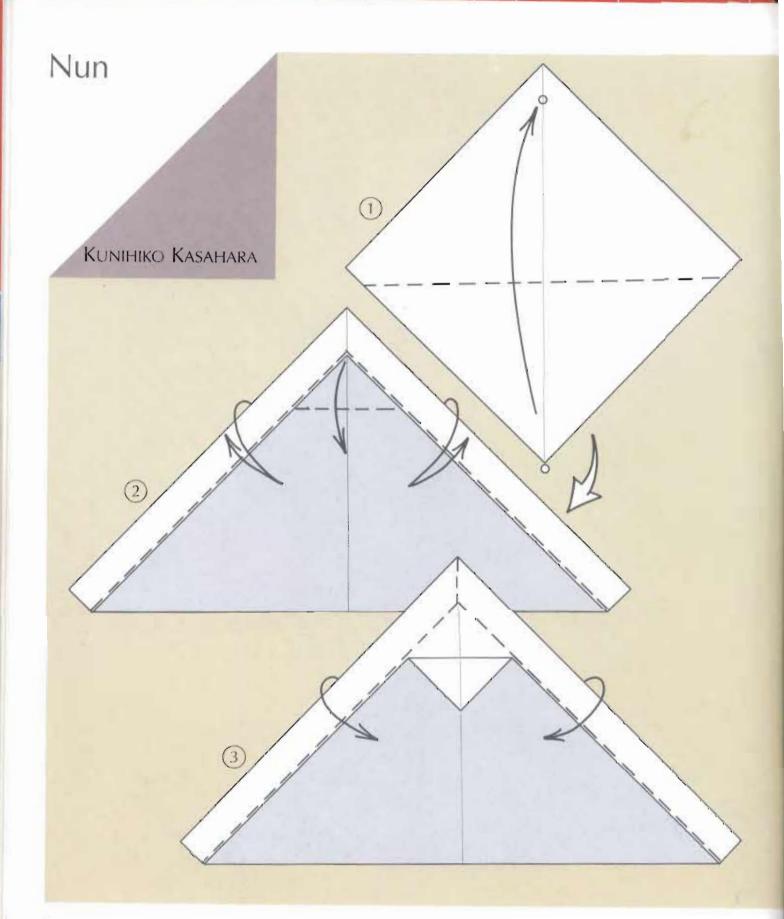


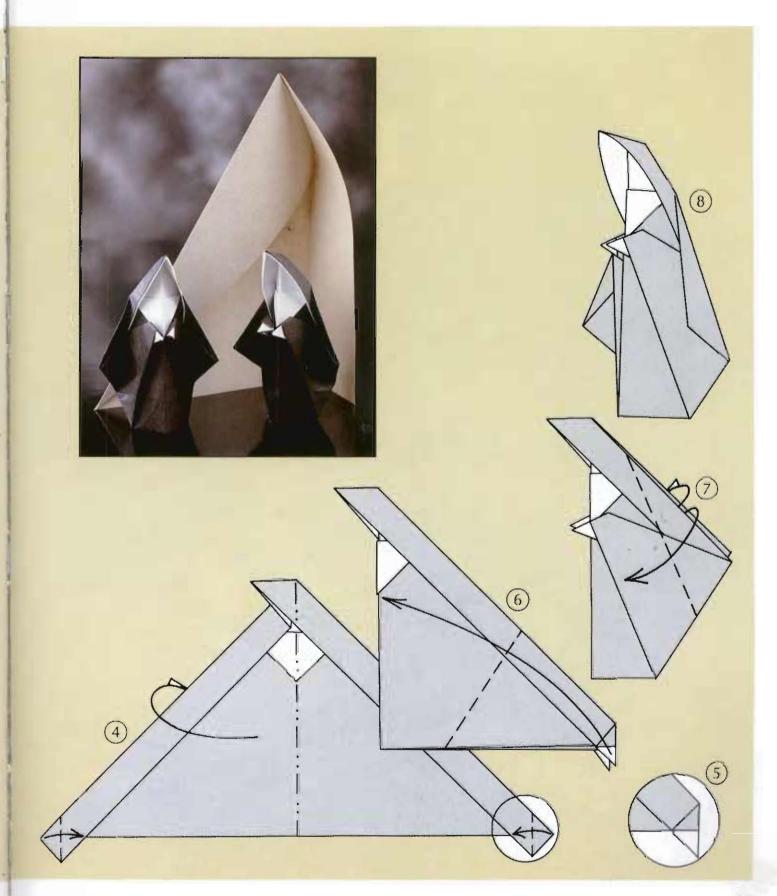


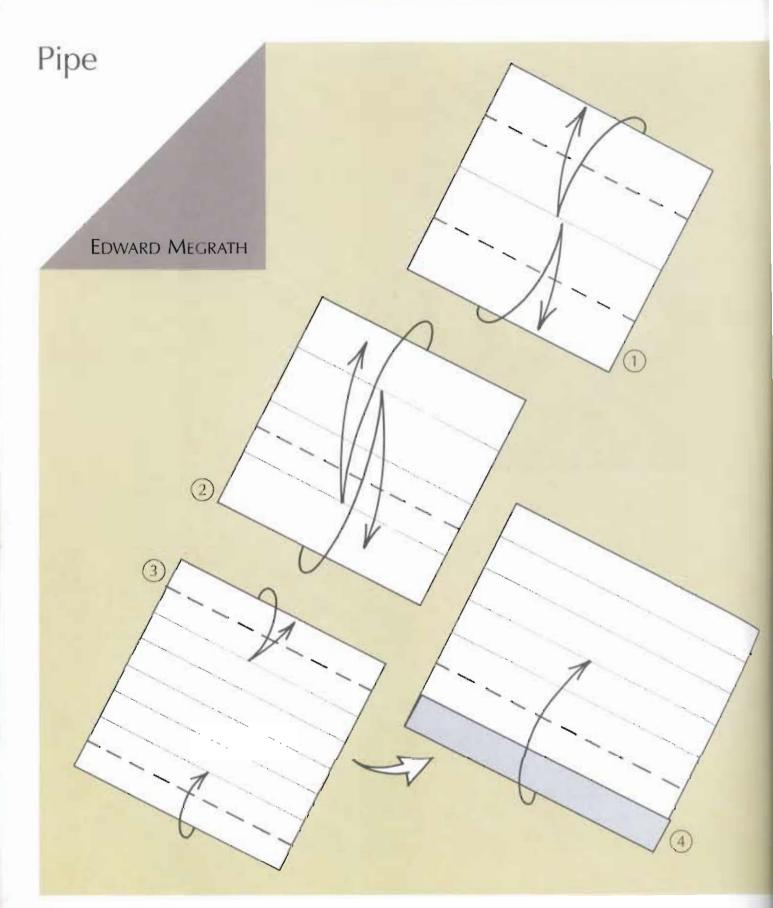


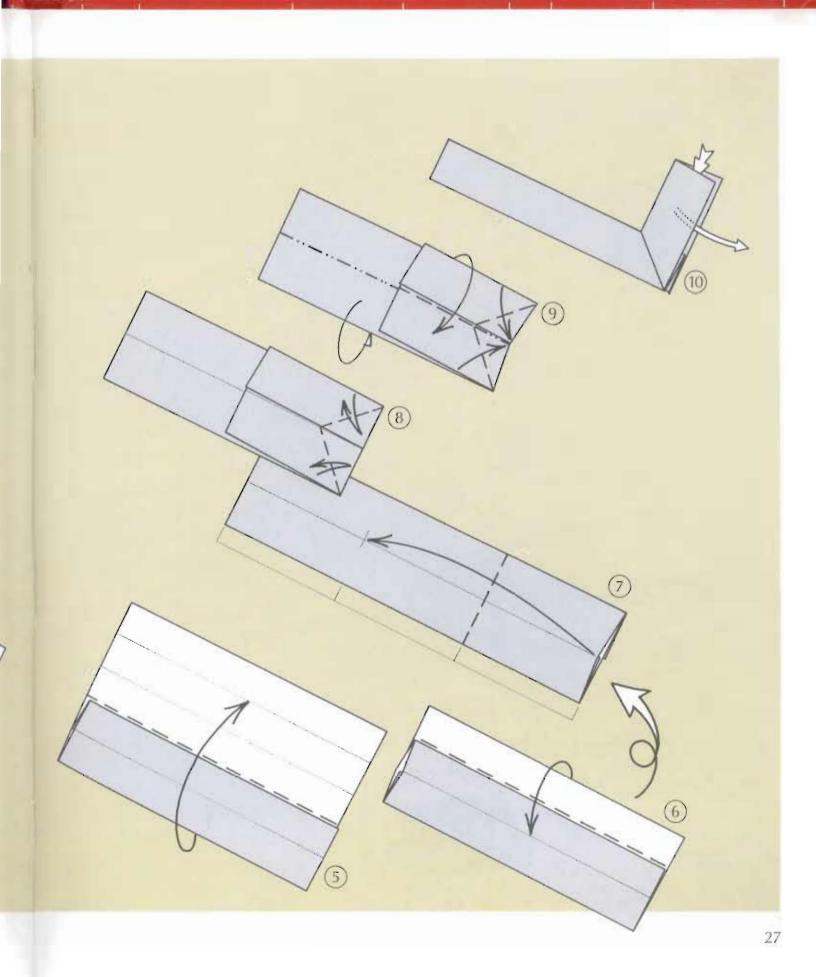


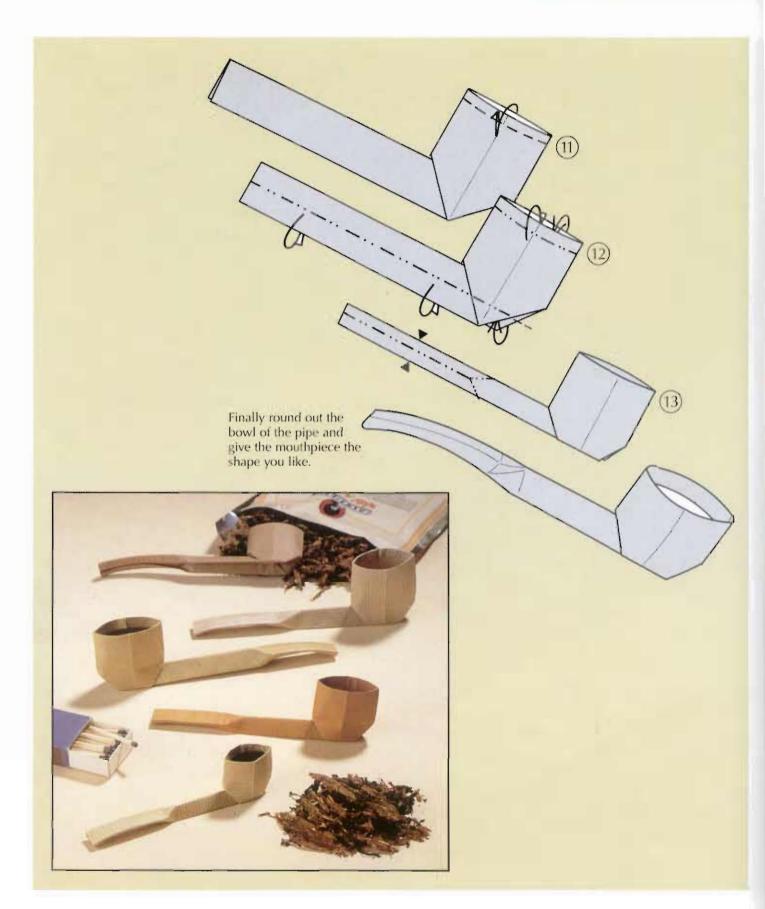






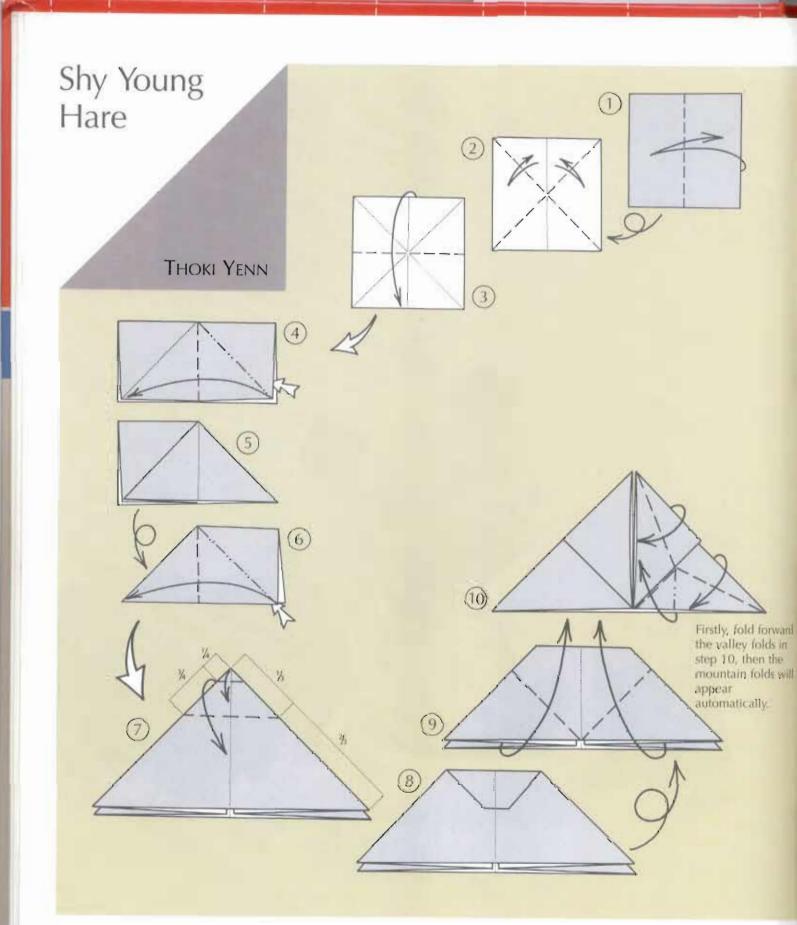


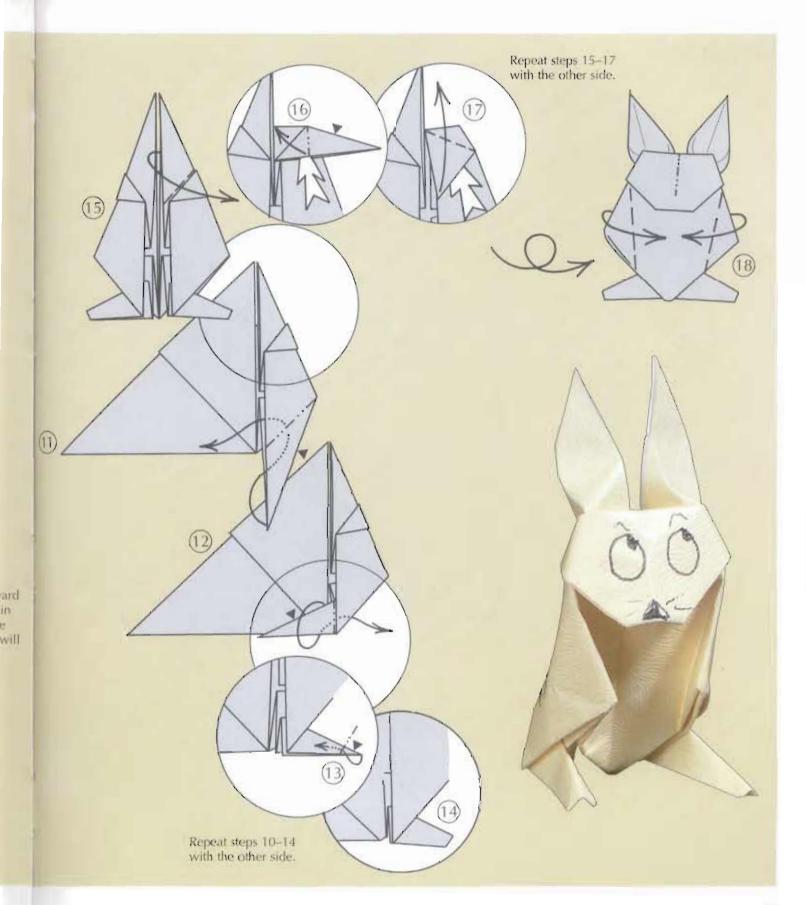




### Origami Zoo

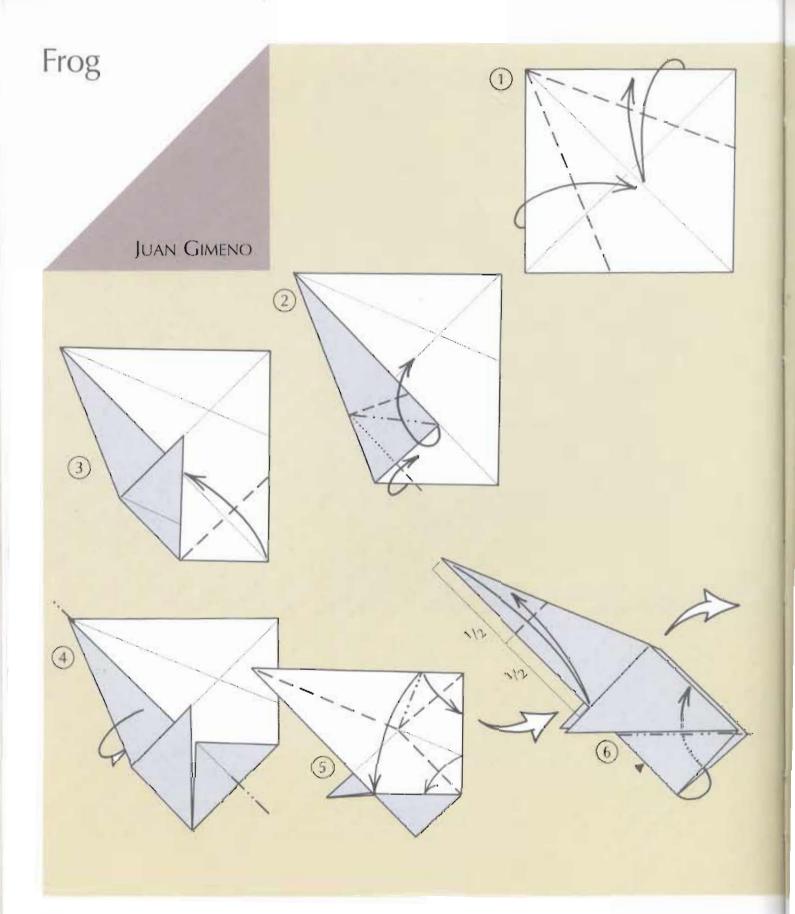


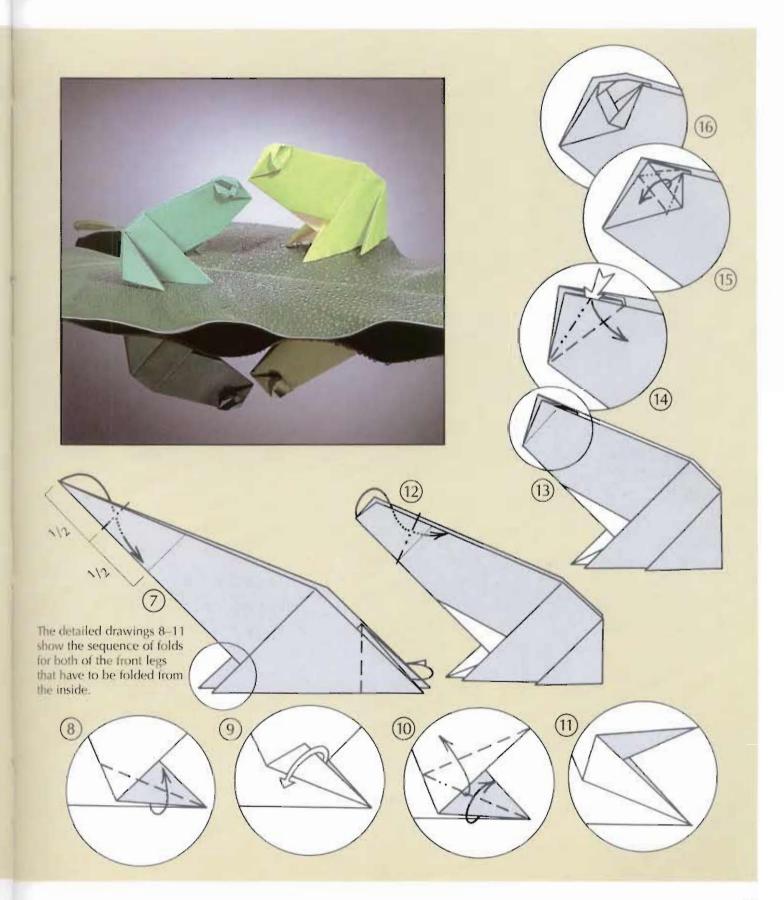


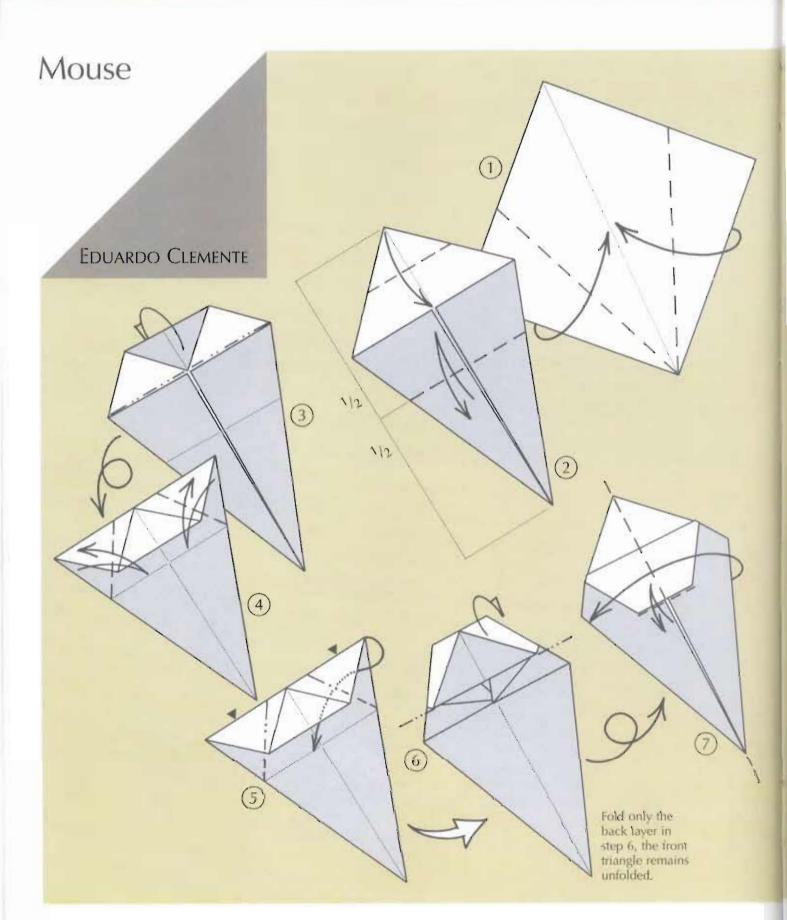


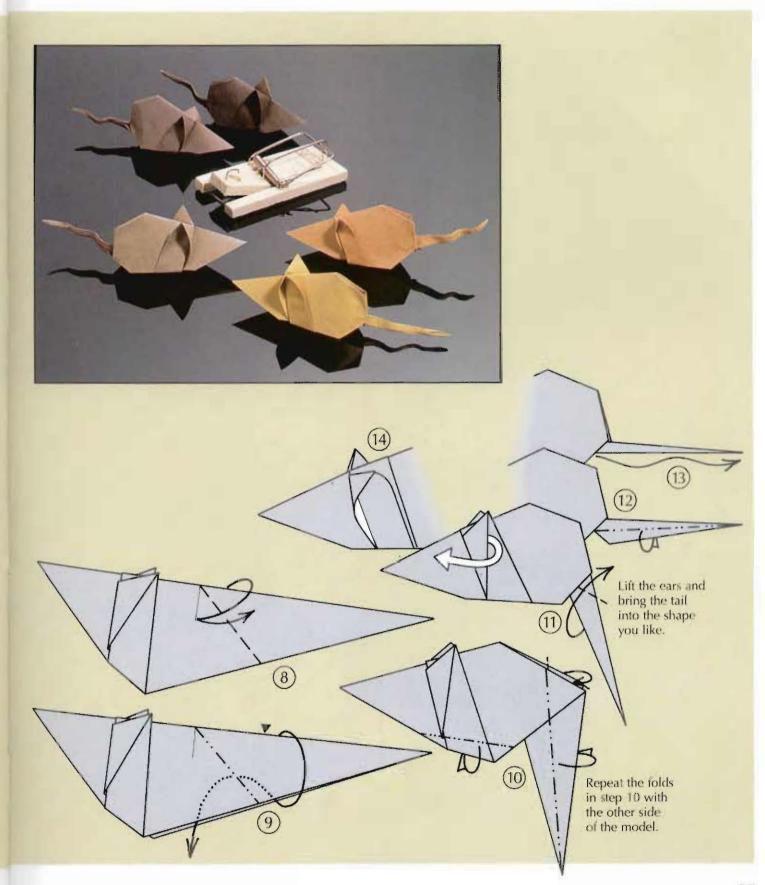
### Elephant 2 2/3 EDWIN CORRIE 1/2 1/2 $1_{/2}$ 1/2 Lift the head at the marked area and bring it into position (see step 6) and crease the valley folds that have appeared.

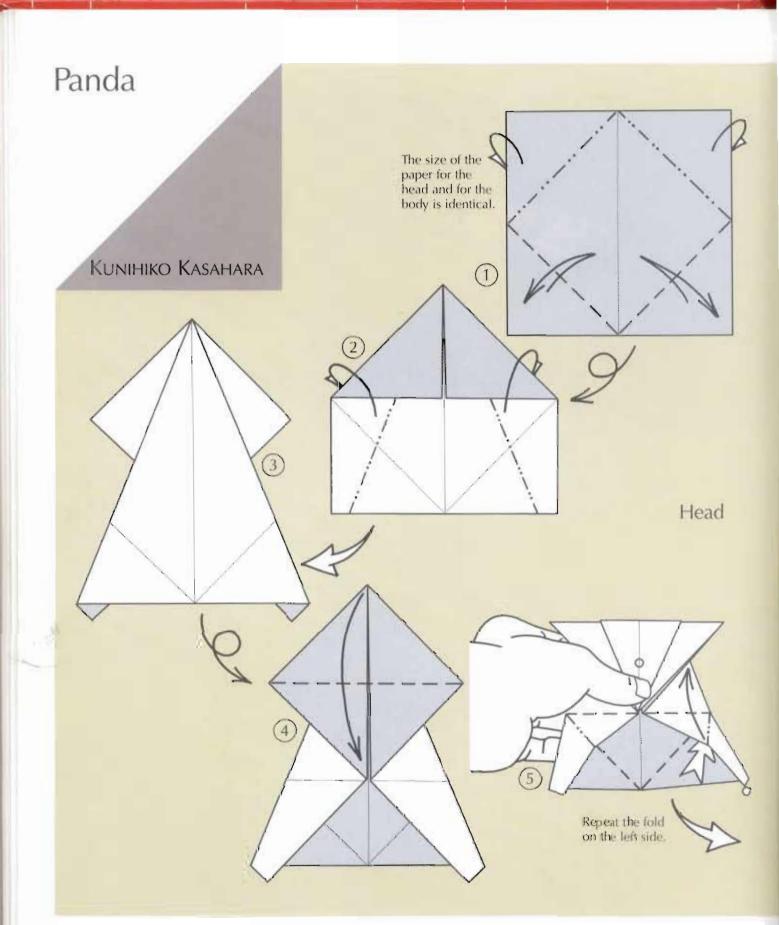


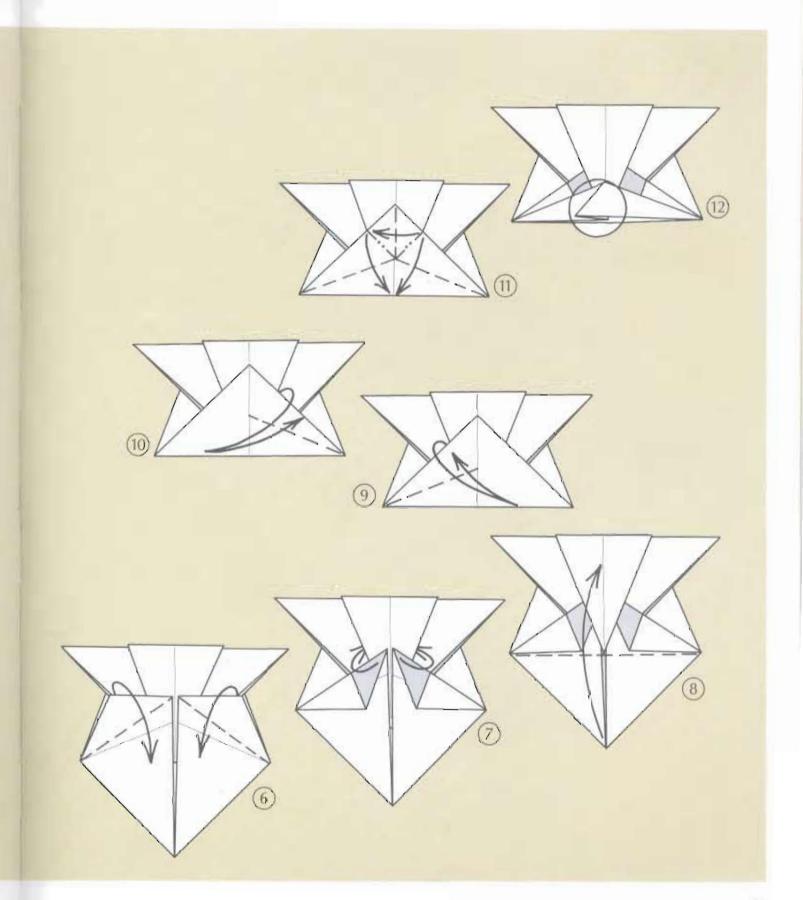


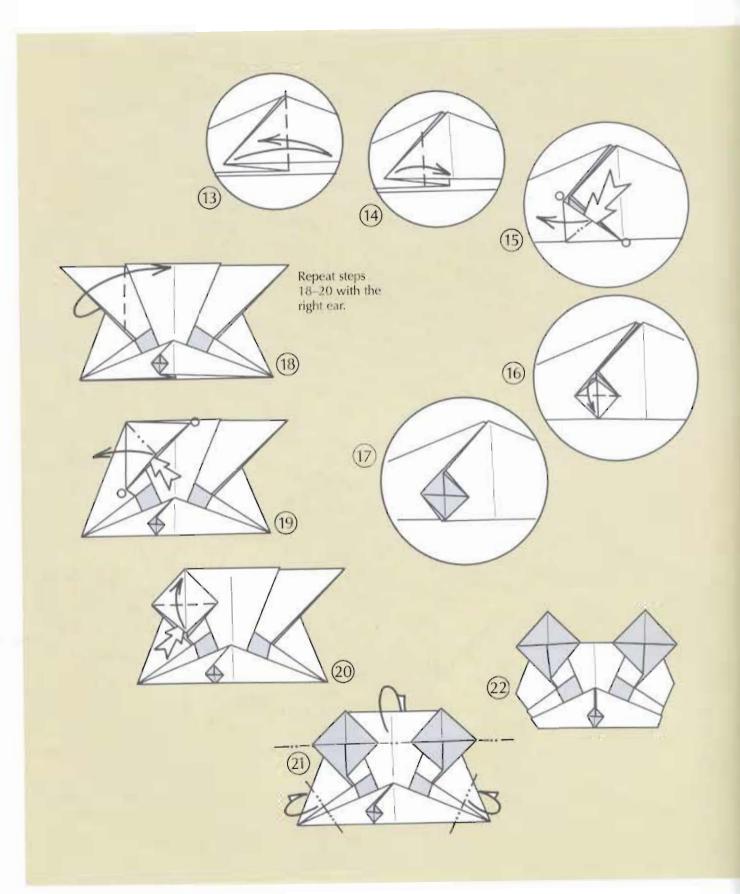


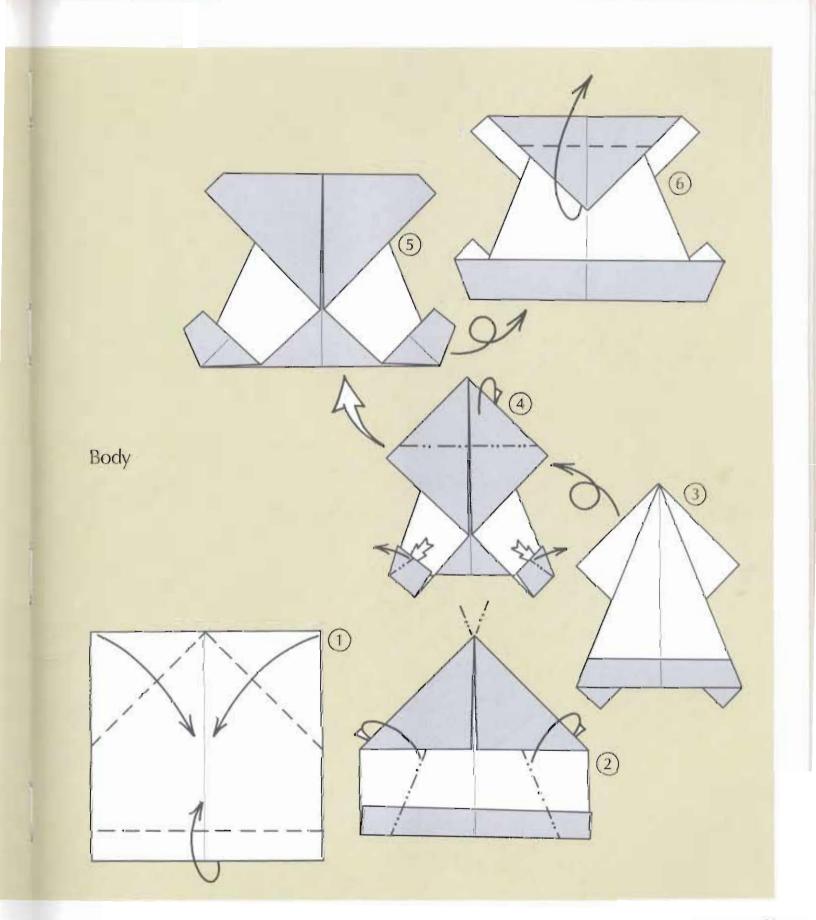


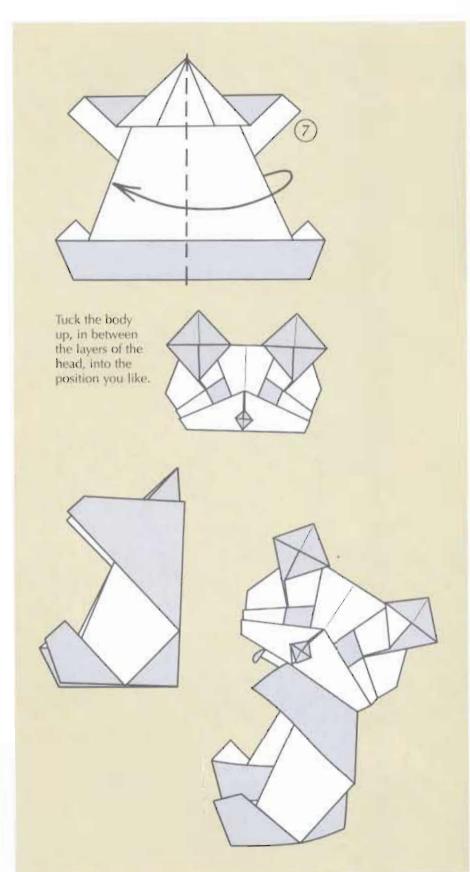


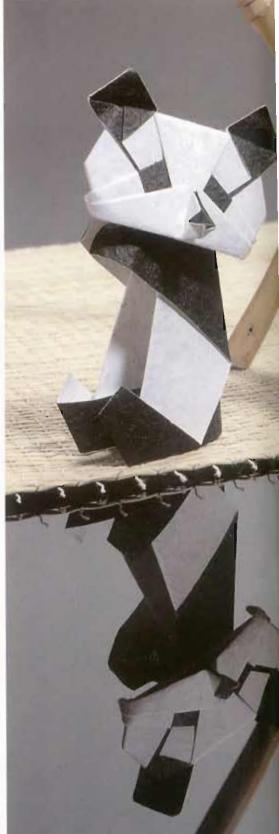








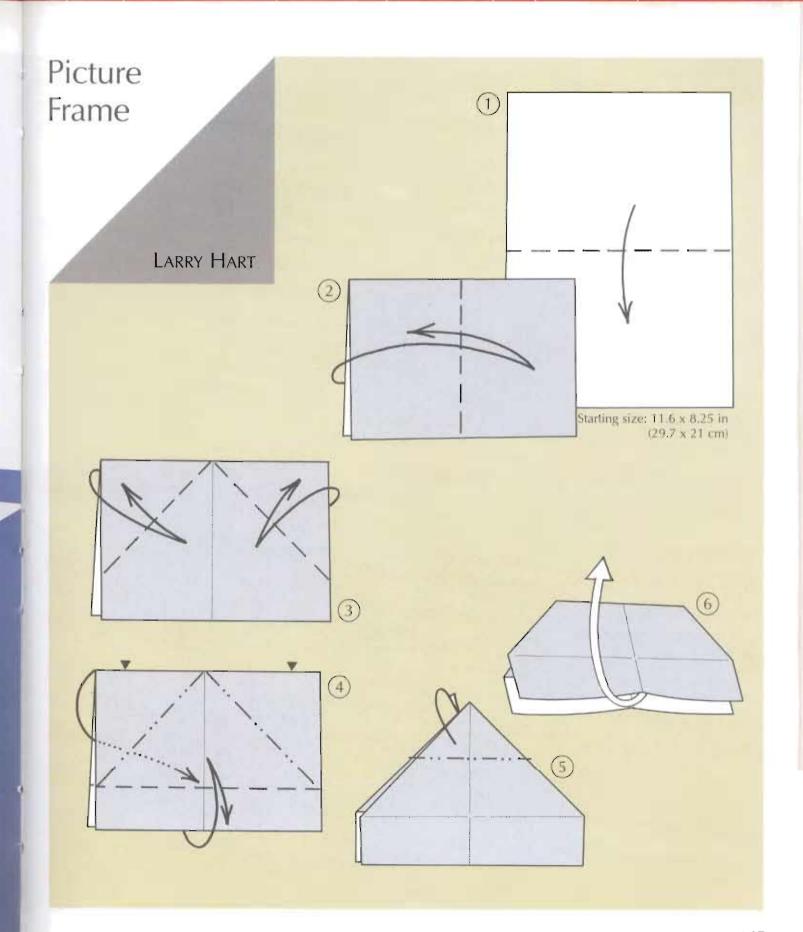


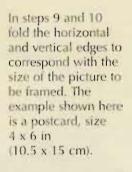


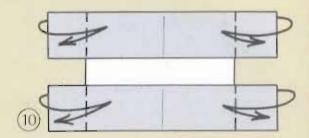


# For a Desk Top

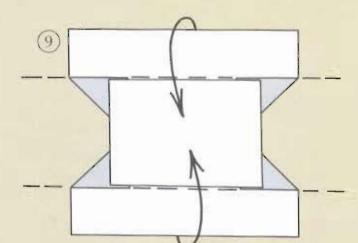


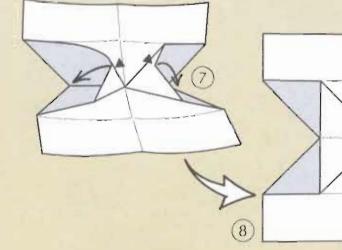






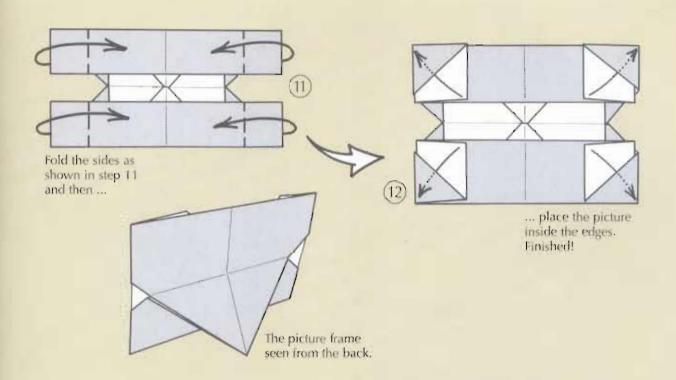
Take out the picture after you have folded the creases in step 10.

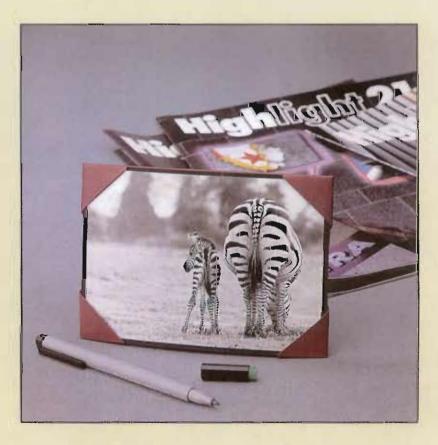


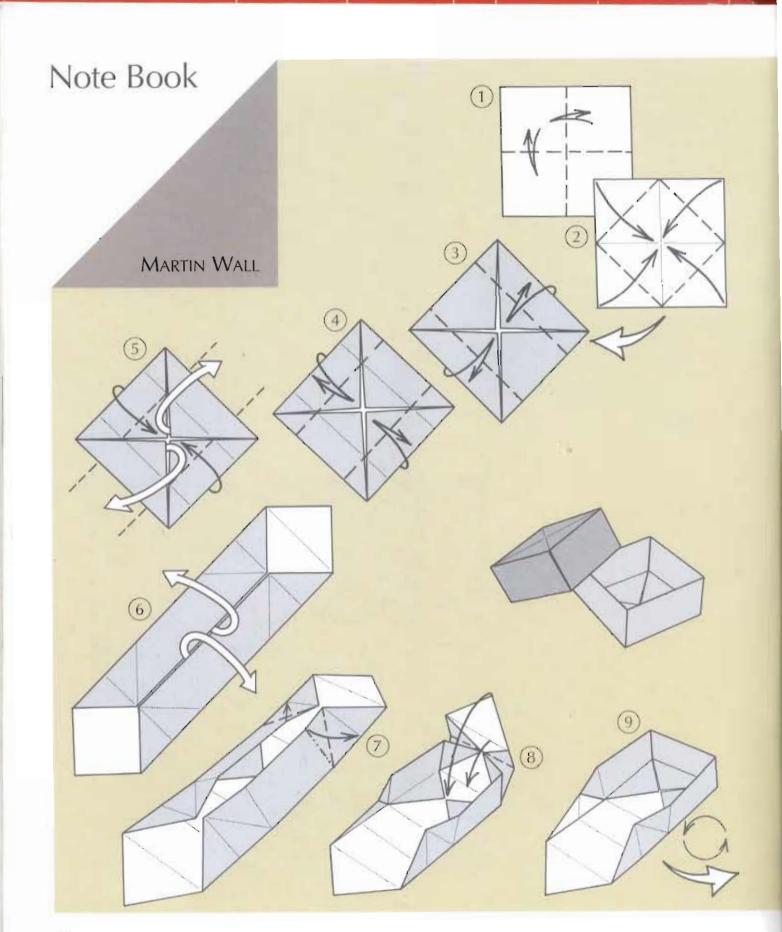


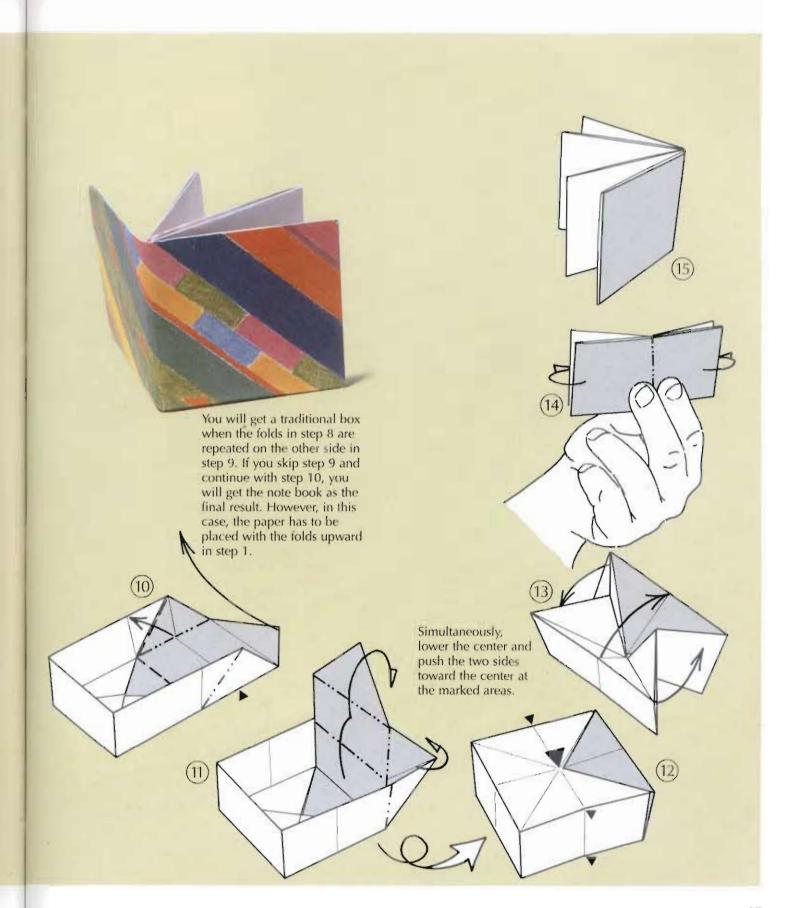


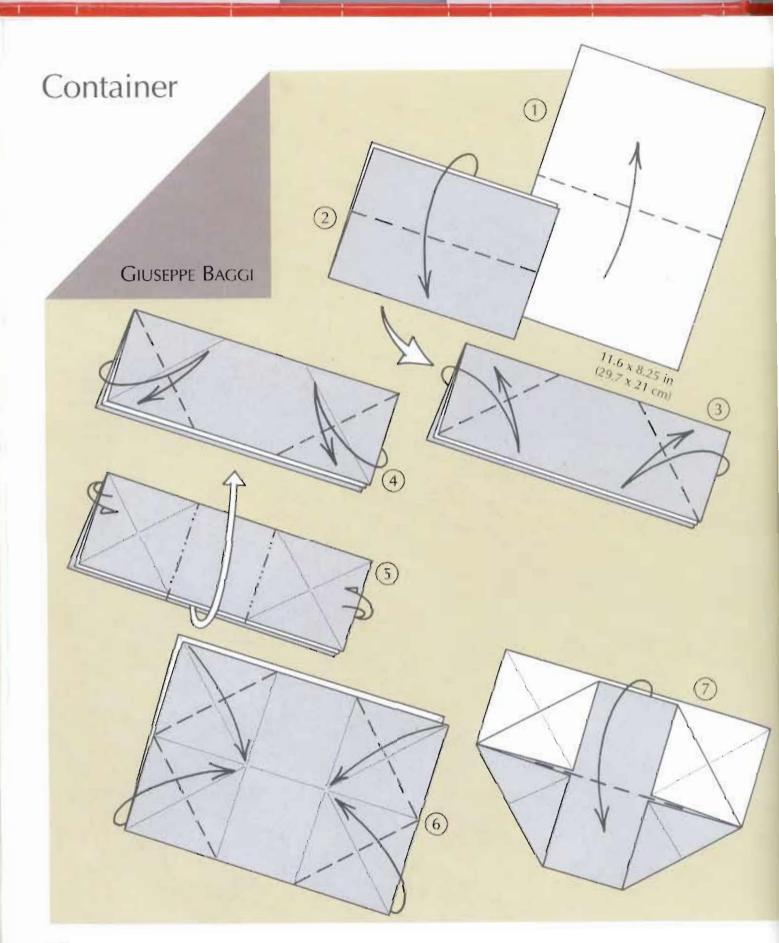
folds.

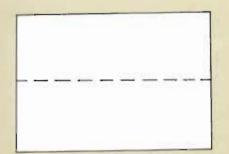


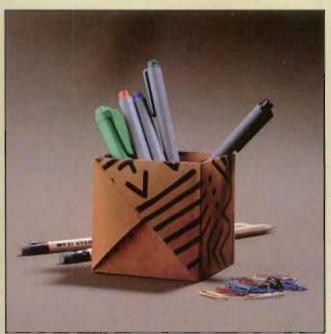


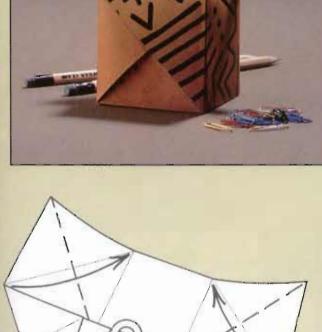






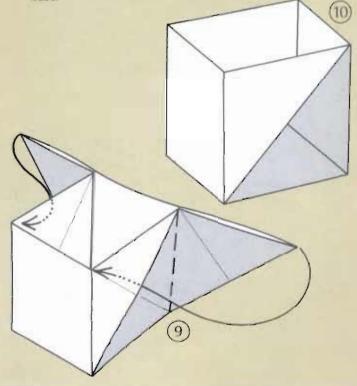


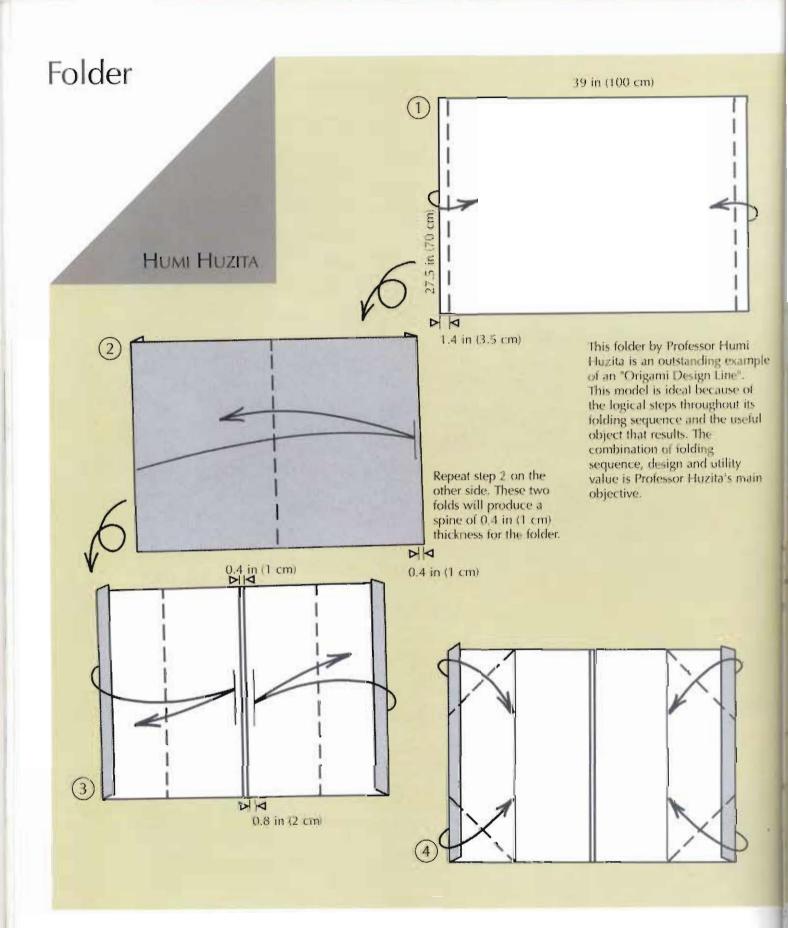


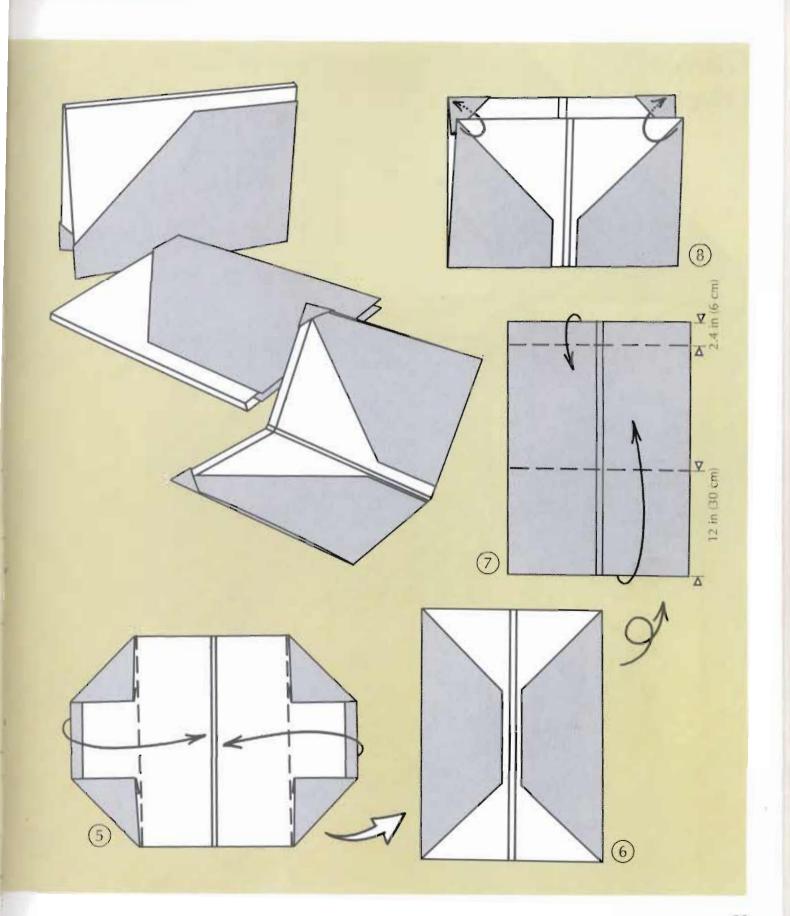


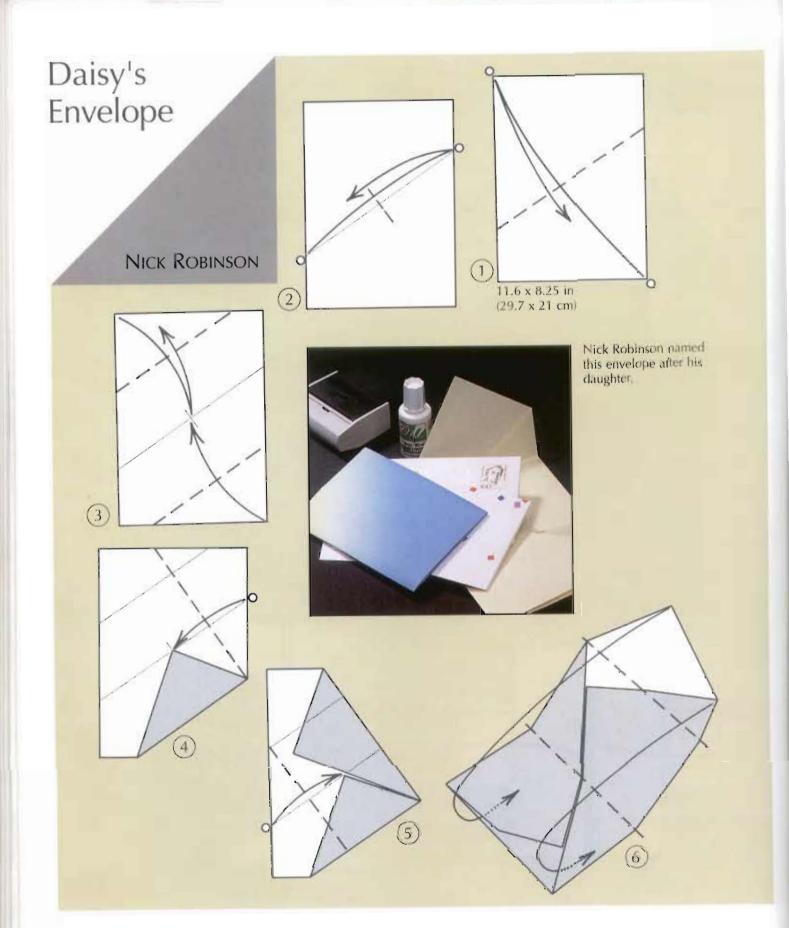


This container is the final result when the paper is not divided diagonally but lengthways in step 1 and the remainder of the steps are carried out with the new starting base.



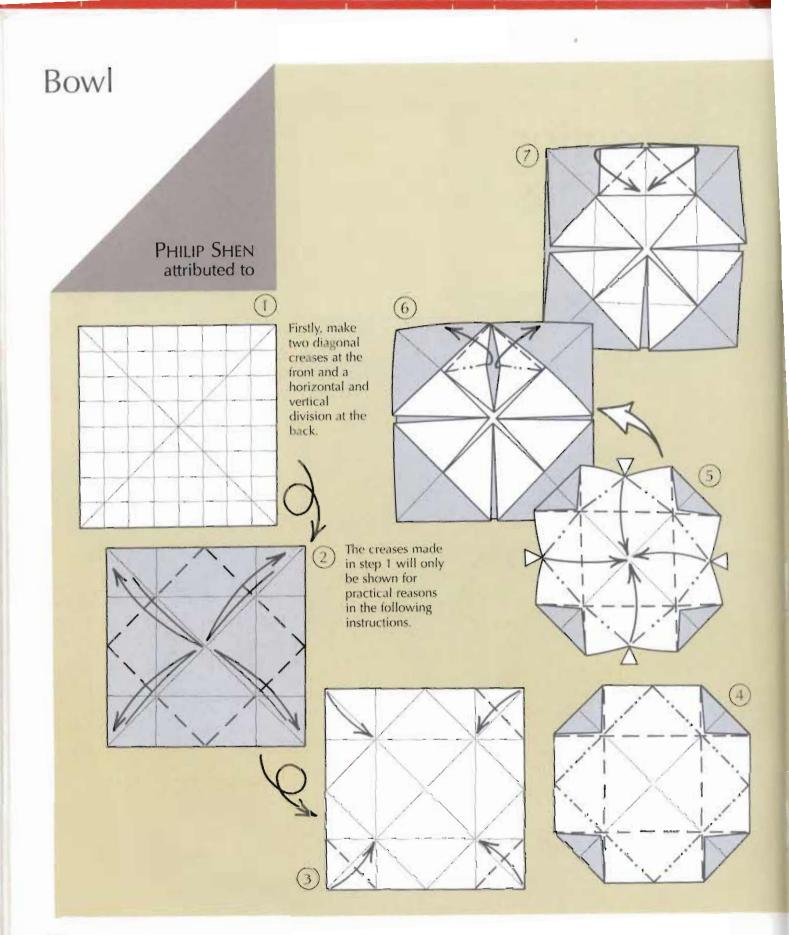


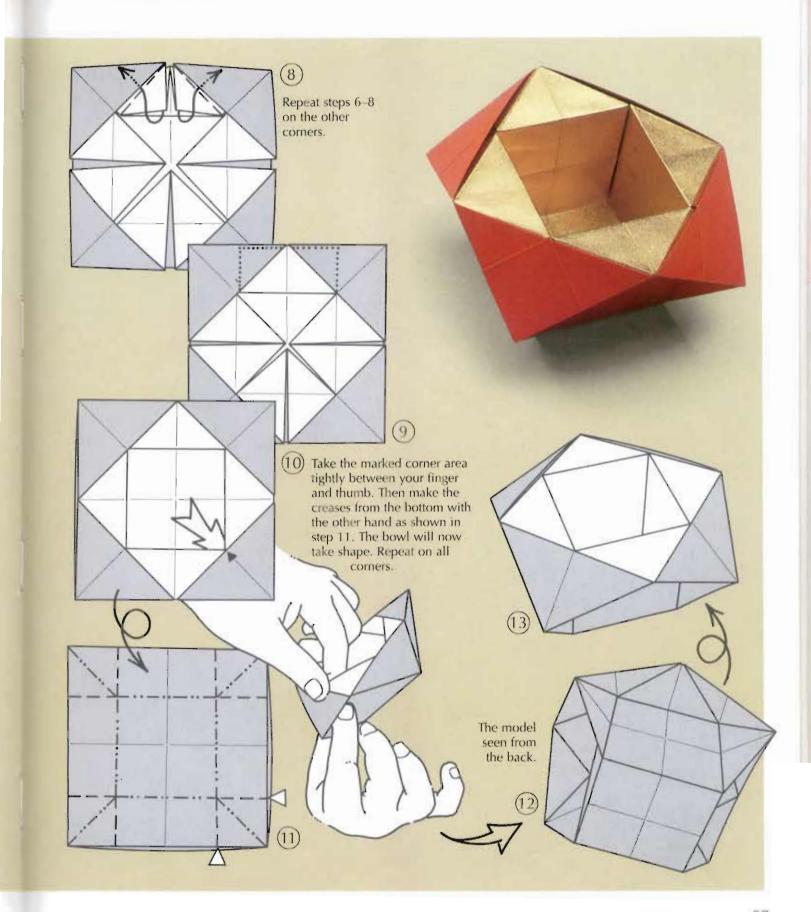


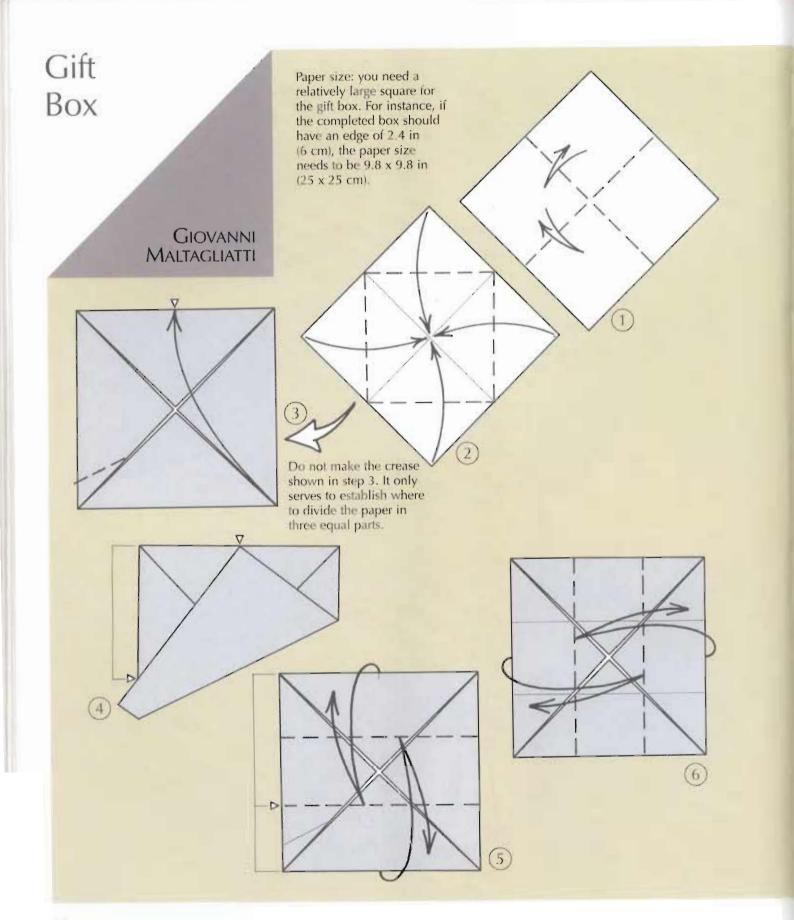


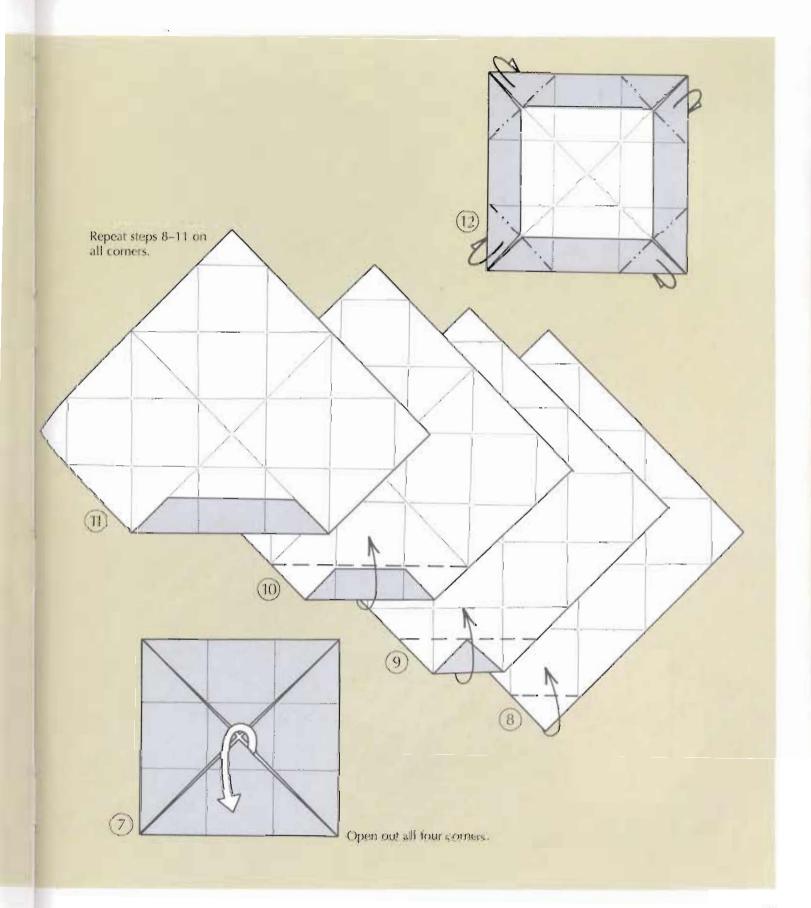
### Presenting Gifts

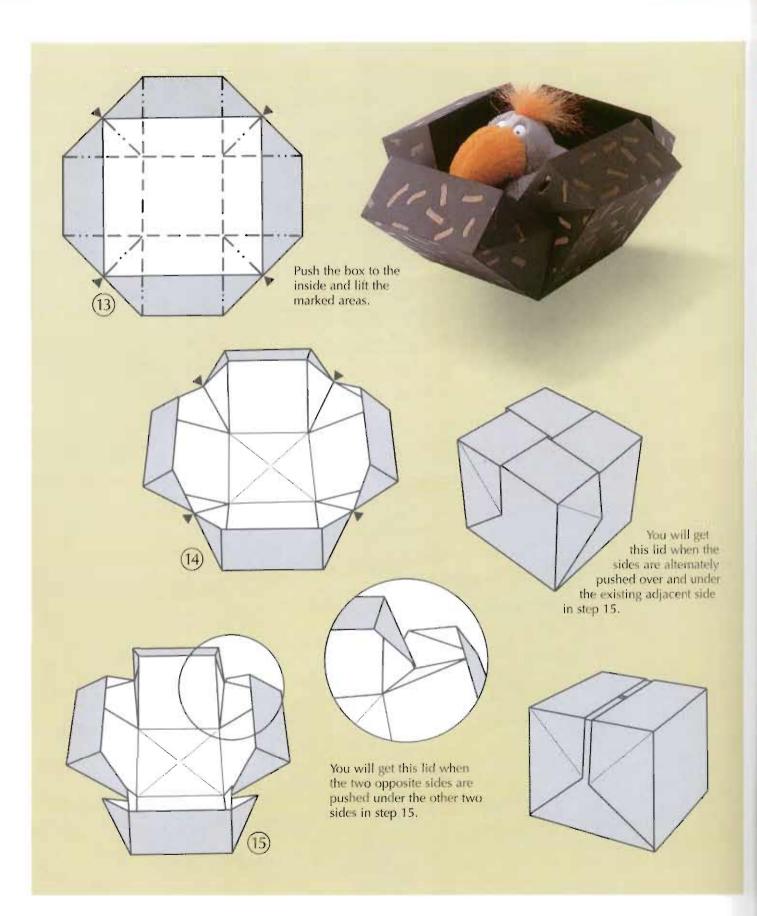


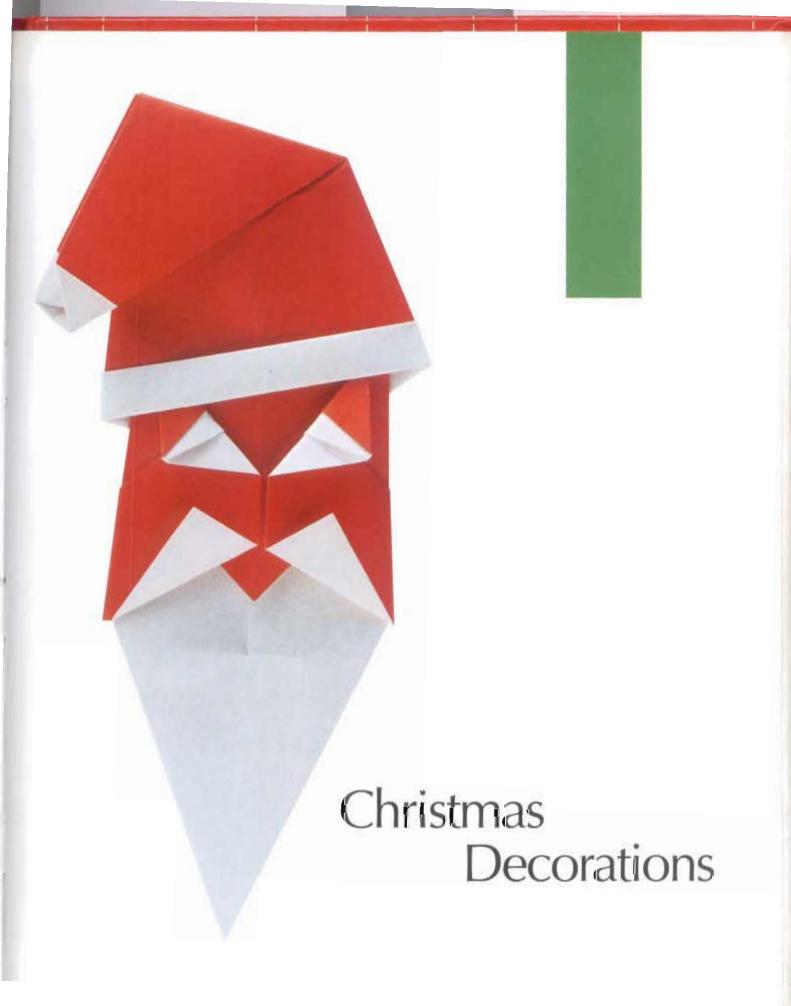


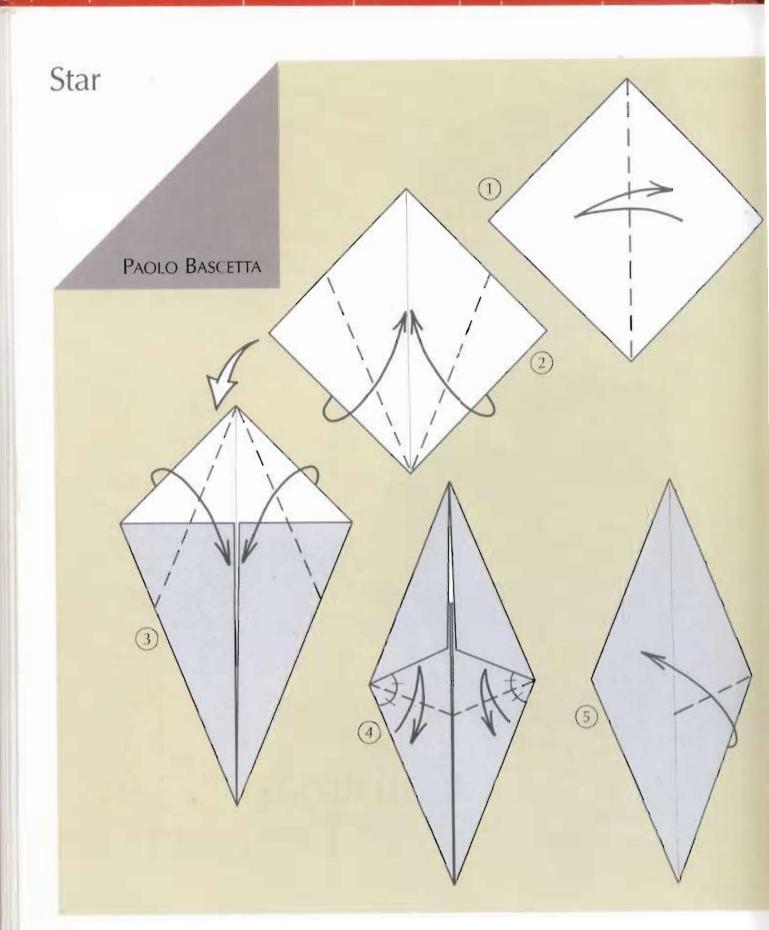


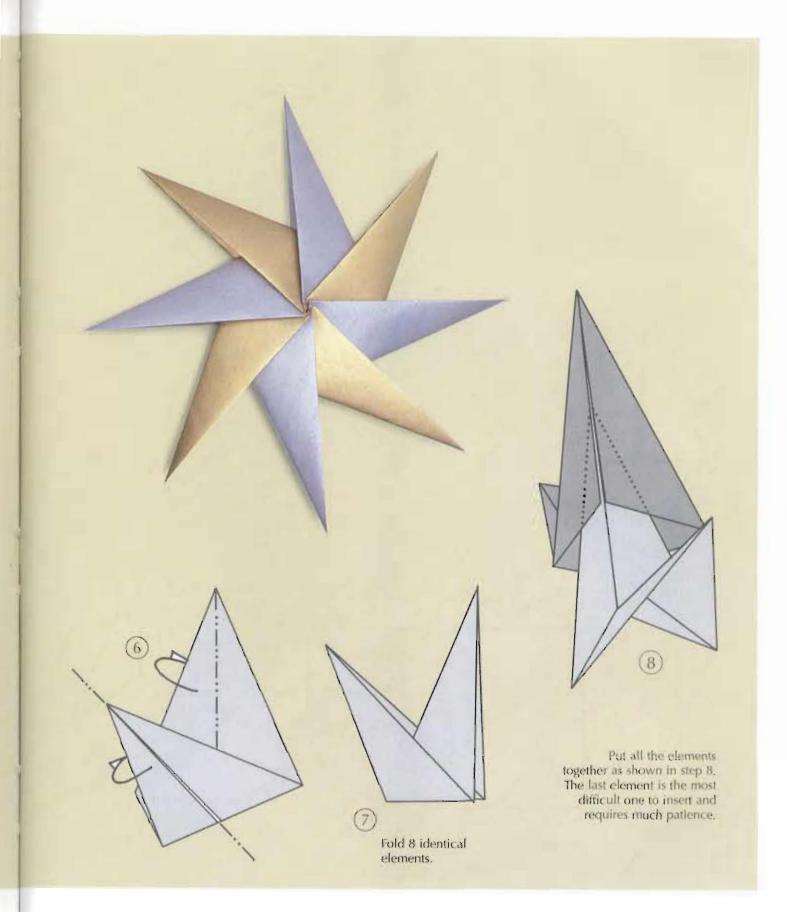


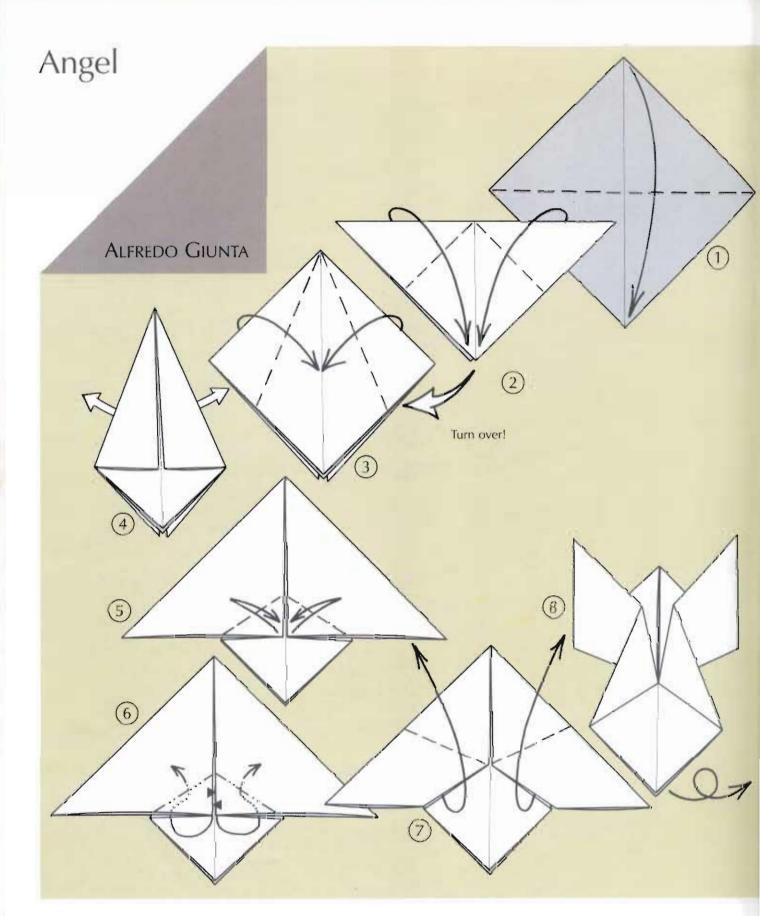


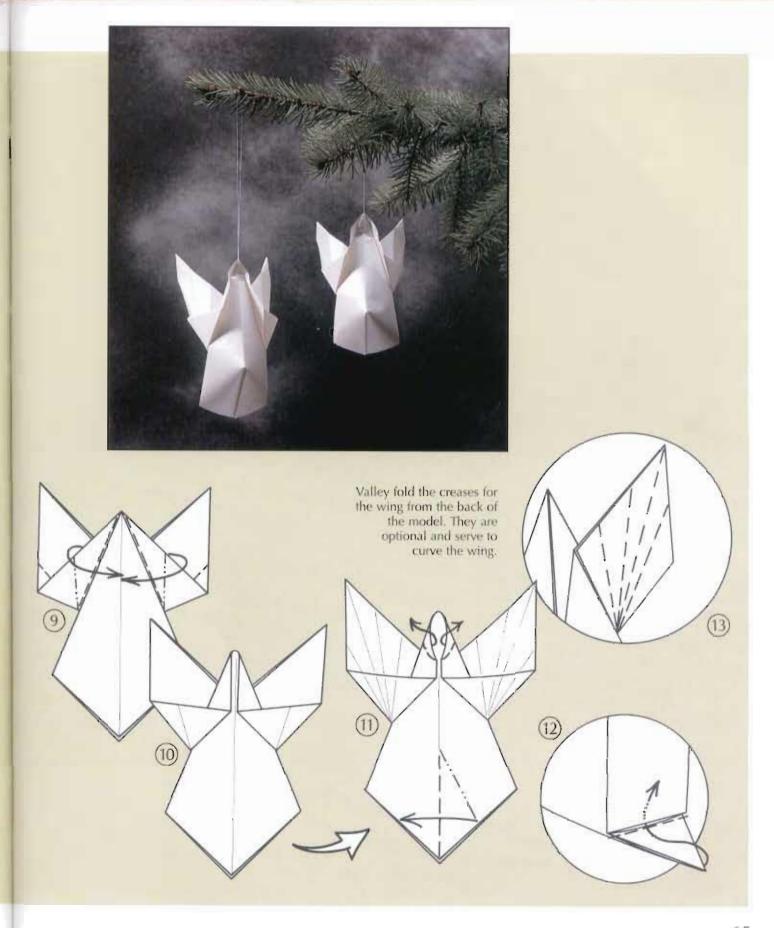


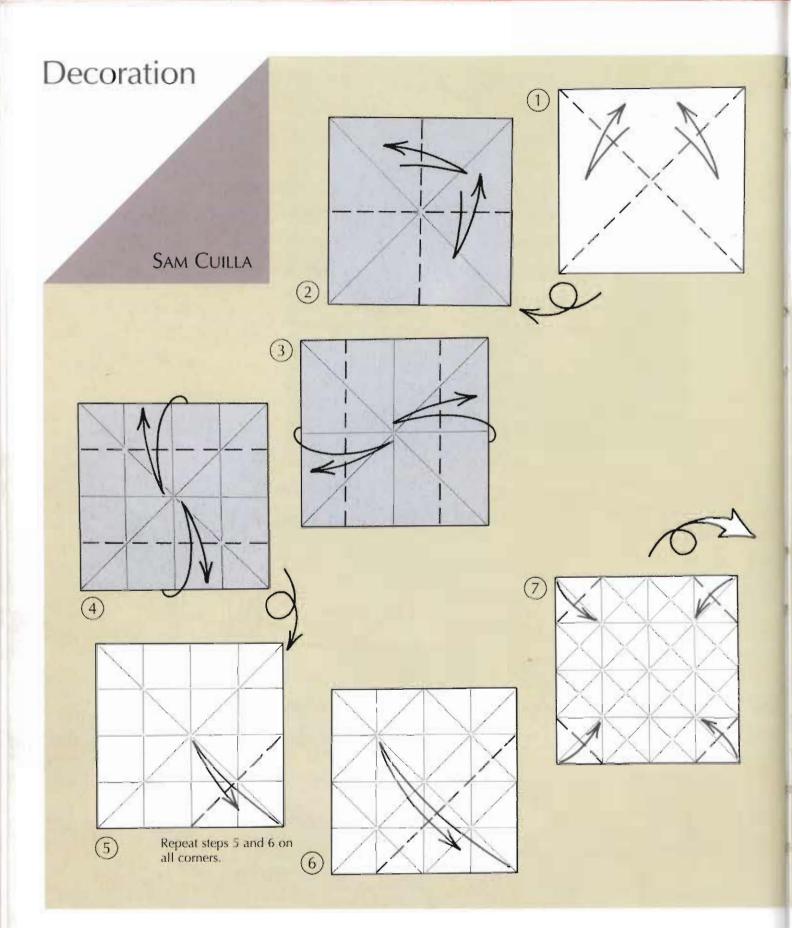


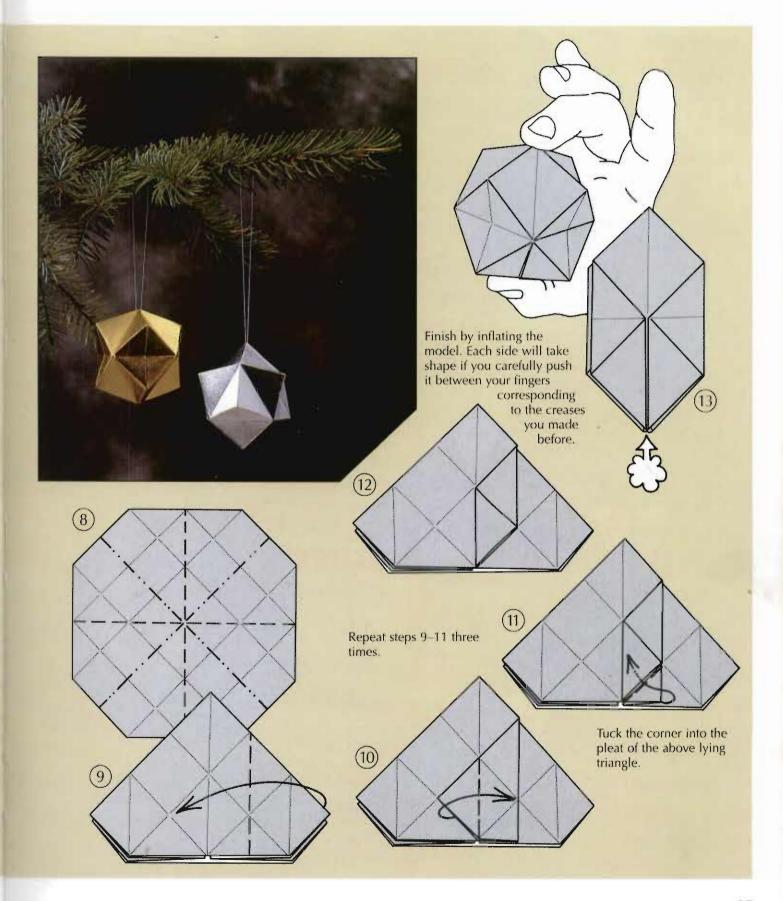


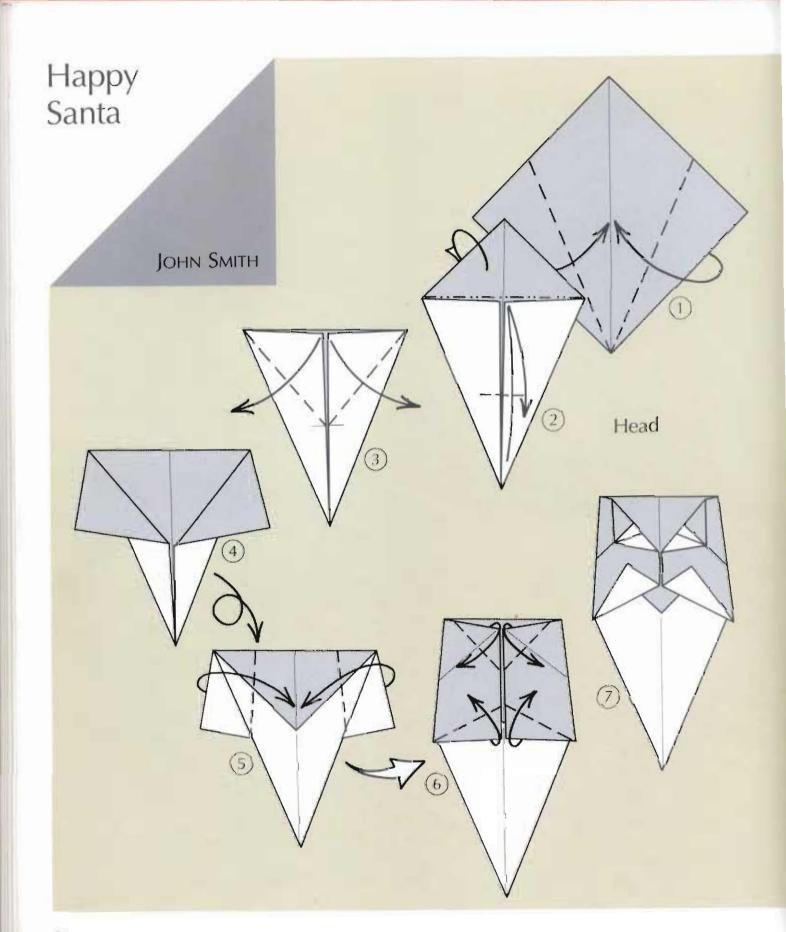


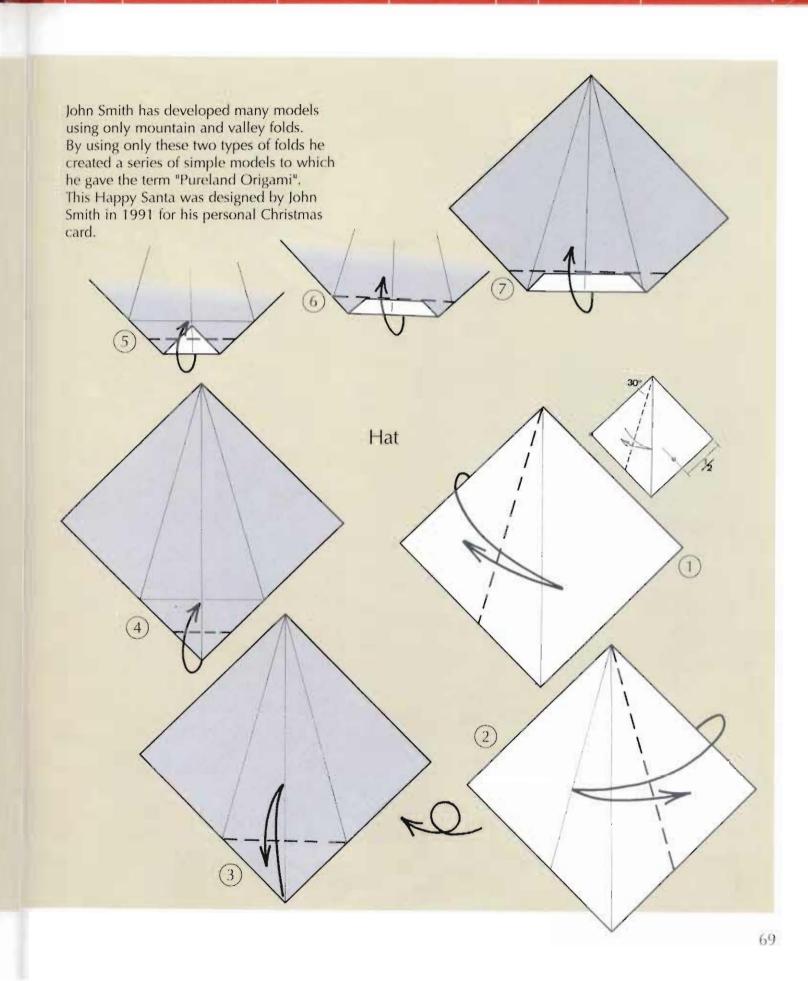


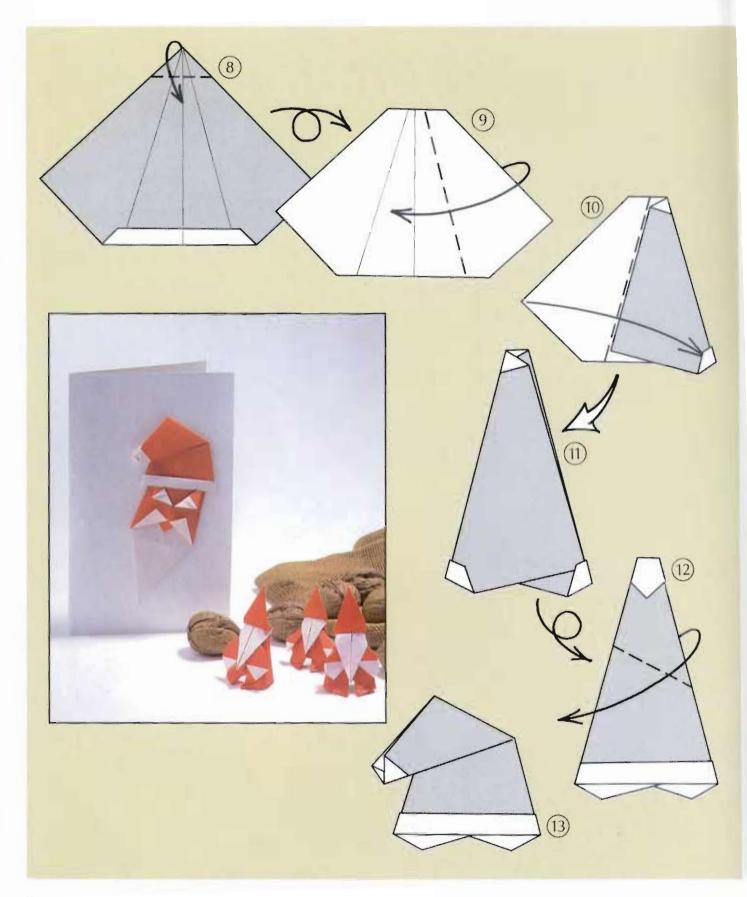




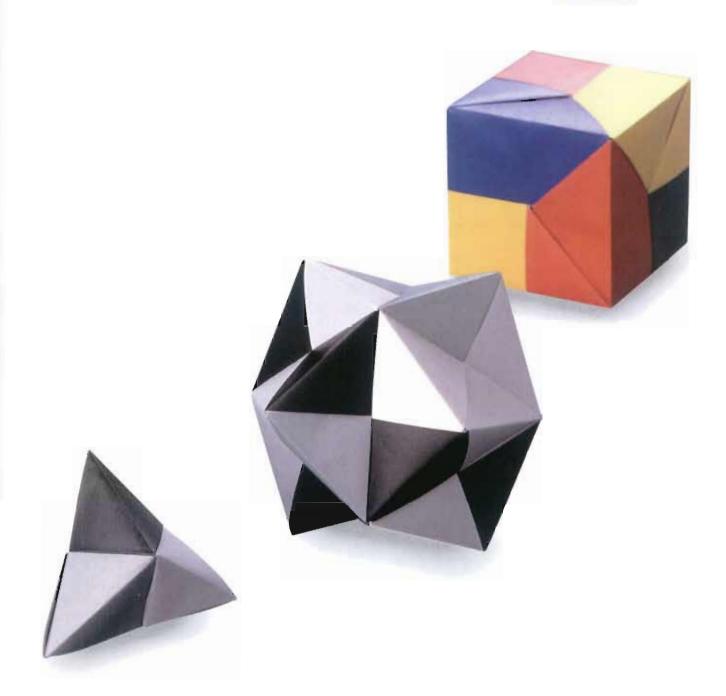


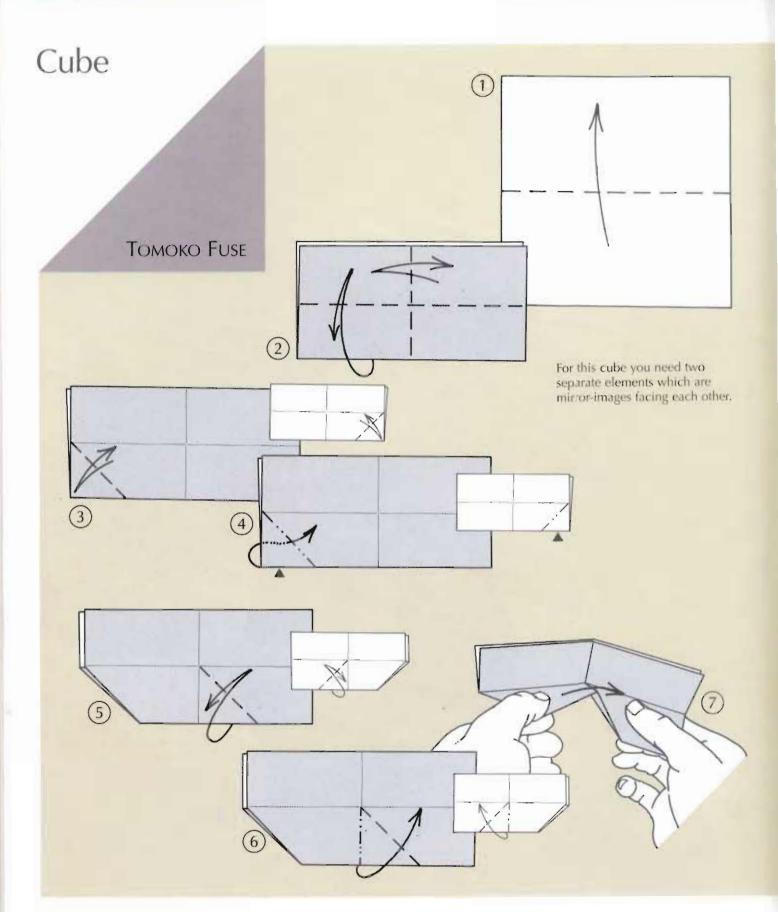


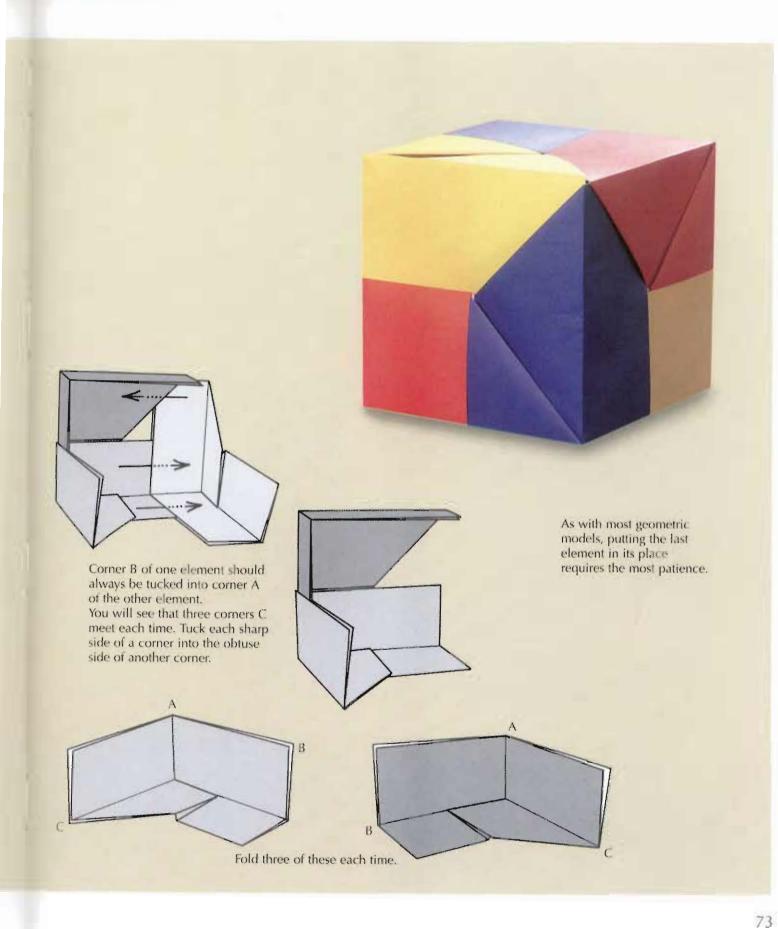


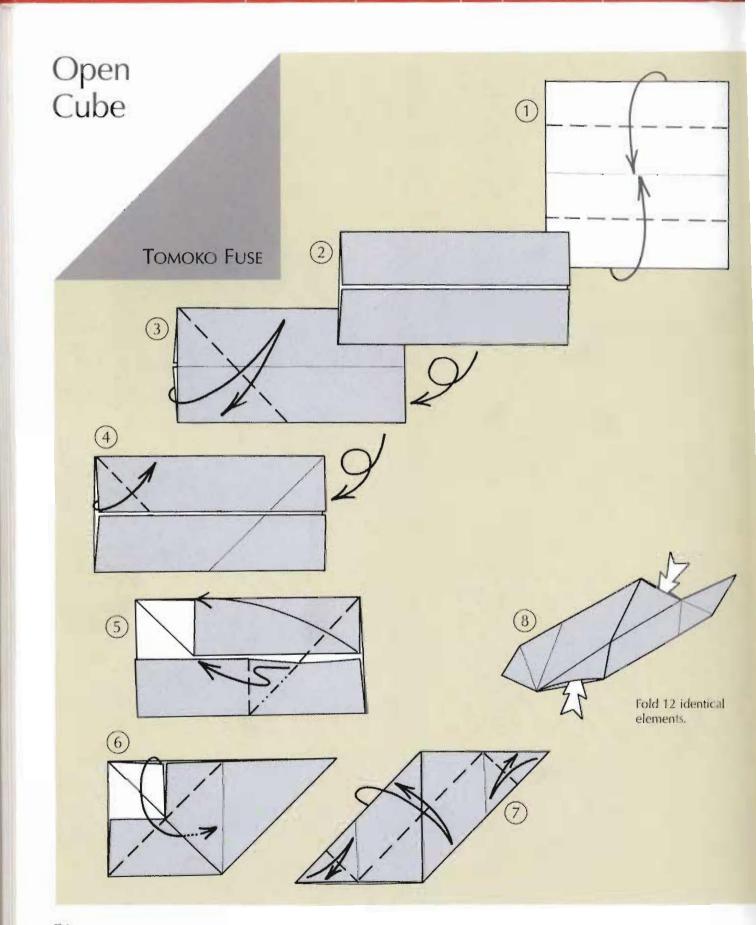


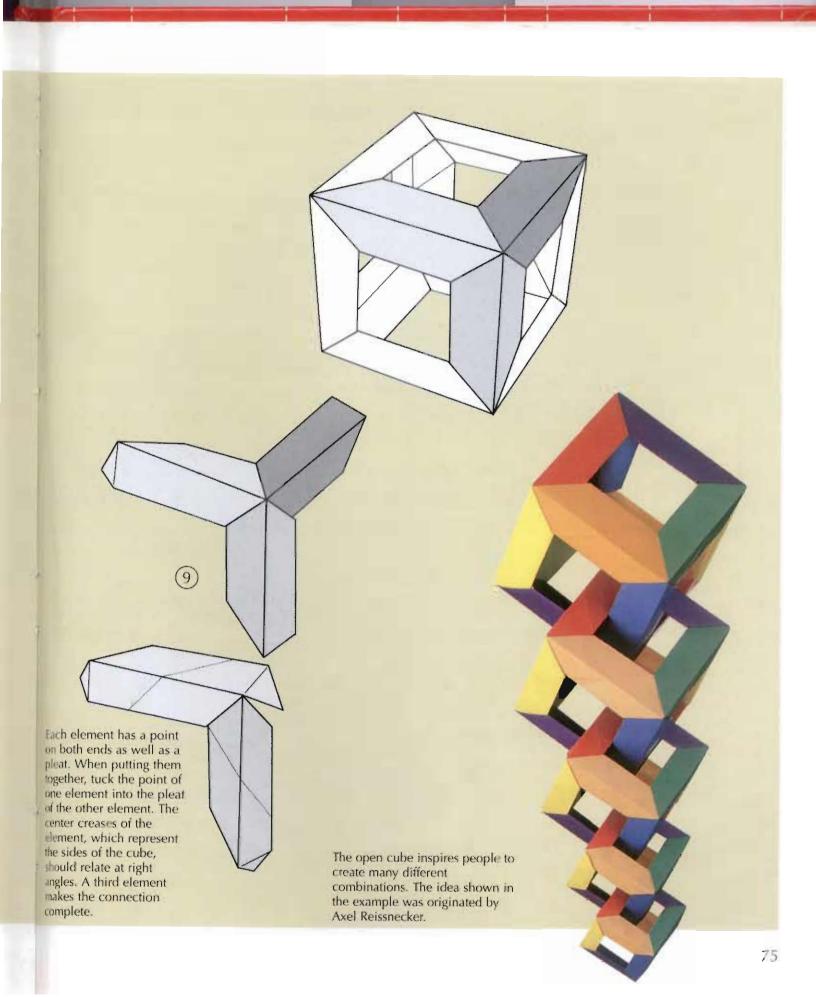
# Geometric Figures

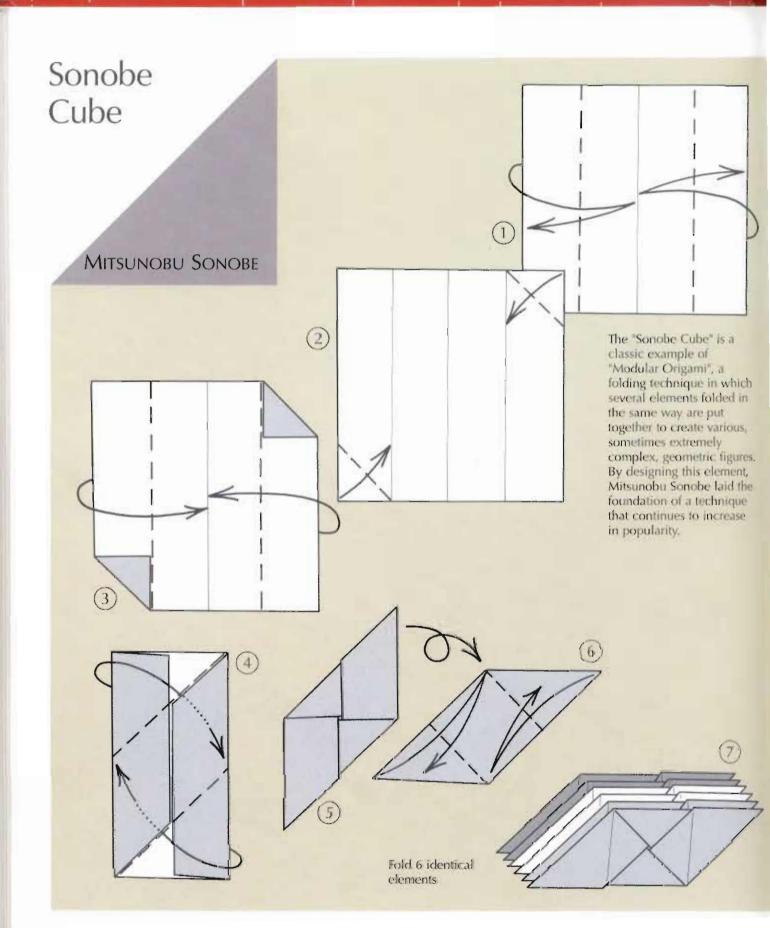


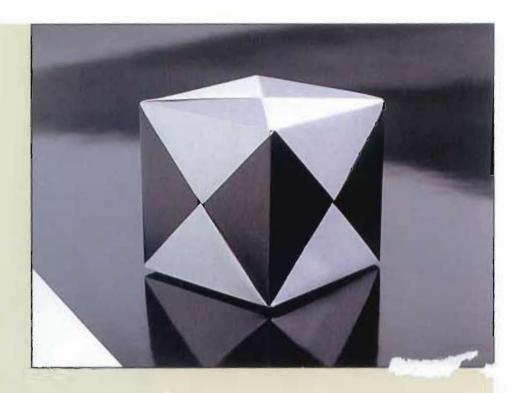


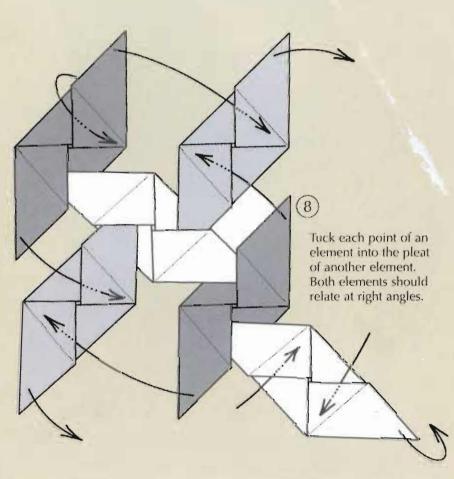


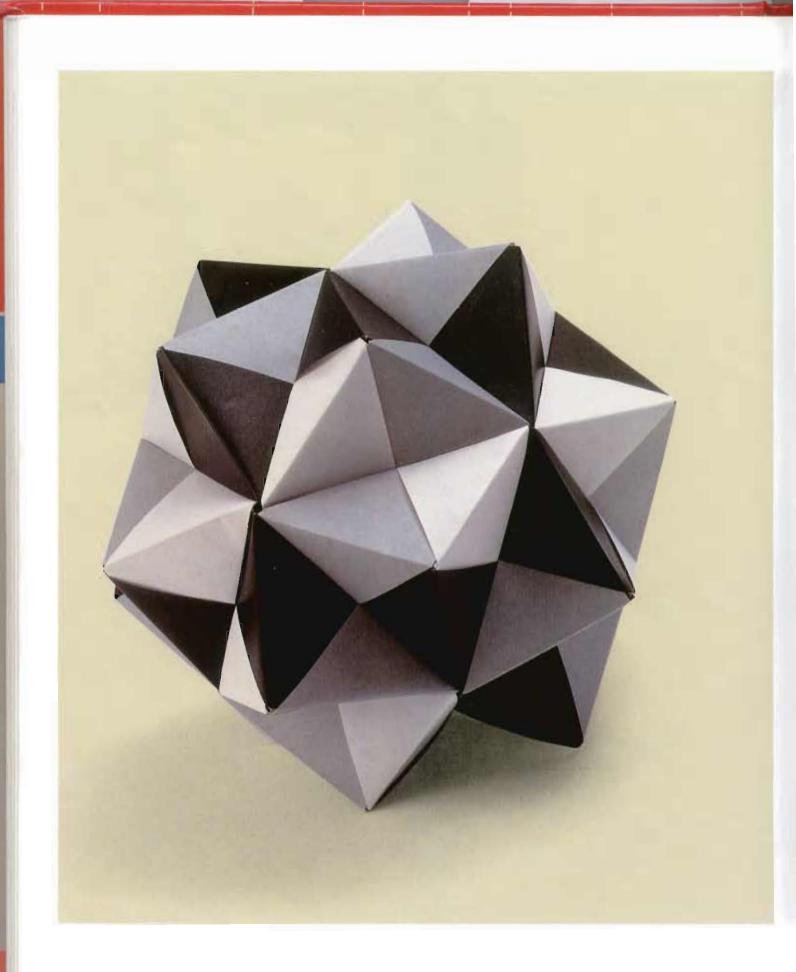












#### Organizations

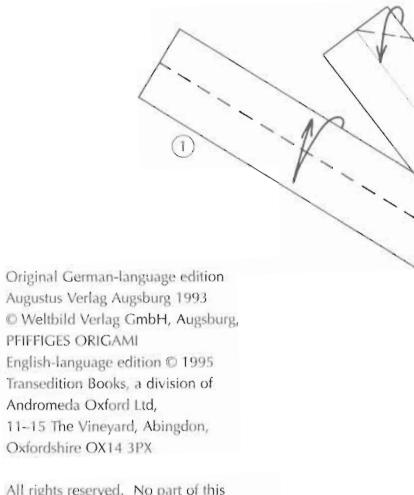
Origami organizations can be found in almost every European country as well as in Japan and the USÁ.

These organizations provide information, advise on sources of supply, arrange meetings and often publish a magazine.



The models presented in this book originate from artists in England, Italy, USA, Spain, Denmark, Japan, Singapore and Hong Kong.

My admiration and gratitude go to them for allowing me to use their models in this book.

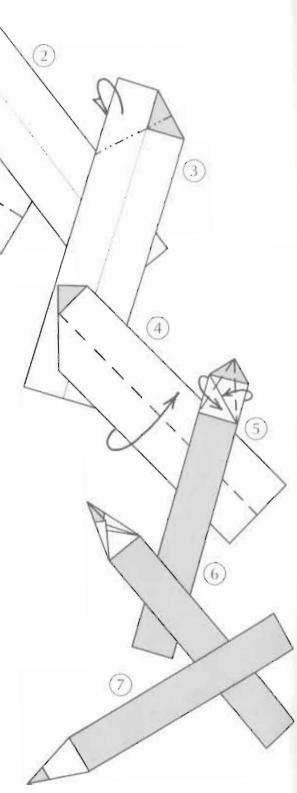


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