

# How to Book Fold: Cut&Fold Combination

**Step One:** You will need a book with the right number of pages, a pencil, a ruler in cm, and a pair of scissors. Spring loaded thread scissors aren't necessary, but if you have them they will help your hand after repeated cuts. Place all the materials on your workspace in front of you.

**Step Two:** Find your start page. If your pattern has 30 folds, then it will take 60 numbered pages to fold. Now using the equation below, you can determine which page to start on.

$$\# \text{ of pages in the book} - \# \text{ of PAGES for folding} / \text{divided by } 2 = \text{your start page.}$$

Ex:  $100 (\# \text{ of pages in book}) - 60 (\# \text{ of folding pages}) / 2 = 20$ . Your start page is page 20.

**Step Three:** Grab your ruler and open your book to the start page. Place the ruler close to the edge of your book but far enough inward so you can make your pencil marks.

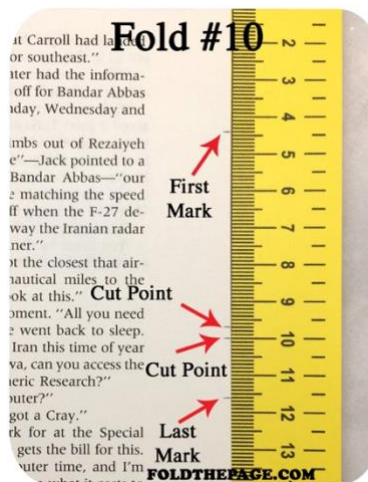
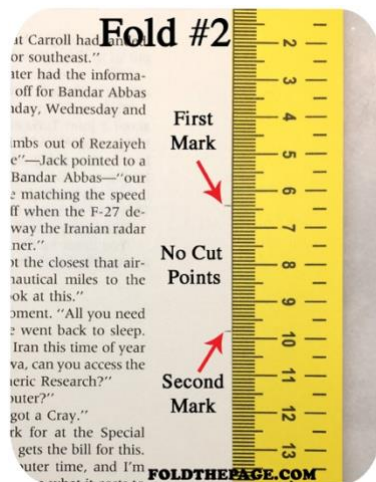
**Step Four:** Make sure your ruler is lined up with zero along the top of the page. Look at your pattern and start with the first fold.

Fold (#)	(Top) Fold	Cut Points	(Bottom) Fold
1	7.2	No Cuts	9.1
2	6.4	No Cuts	9.8

Make your top fold mark next to the ruler measurement (7.2) on the book page. You want to make sure the mark is not directly on the edge of the book but far enough into the book for you to clearly see. Now keeping your ruler in place, make your bottom fold mark next to the ruler measurement (9.1). Some pages will only have the 2 marks for folding, and some will have inner marks for cutting.

Fold (#)	(Top) Fold	Cut Points	(Bottom) Fold
10	4.4	9.7    10	11.6

Line up your ruler and make you top fold mark (4.4), then, holding the ruler steady, make your cut point marks (9.7, 10) and finally your bottom fold mark (11.6). Continue this on every page until you have reached the last fold of your pattern.



**Note:**  
Pages with Cut Points will have more than 2 marks.

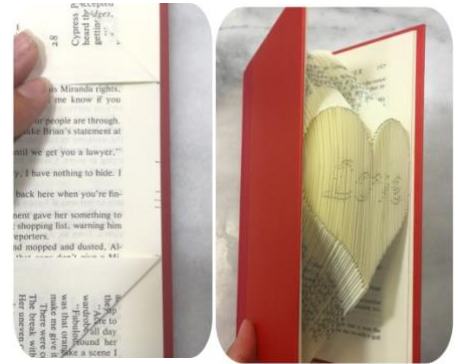
**Step Five:** With your book marked, now you can begin folding and cutting. You can do this either by splitting the cutting and folding into separate actions, or by doing all the cutting and folding of each page at the same time.

### Separate Actions:

**First Fold:** Fold each top fold and bottom fold mark inward at a 90 degree angle. Some may be so far down on the page that a 90 degree fold is not possible. In this case, fold inward until the corner of the page **barely** touches the spine of the book. Continue folding the top and bottom marks on every page until you reach blank pages.

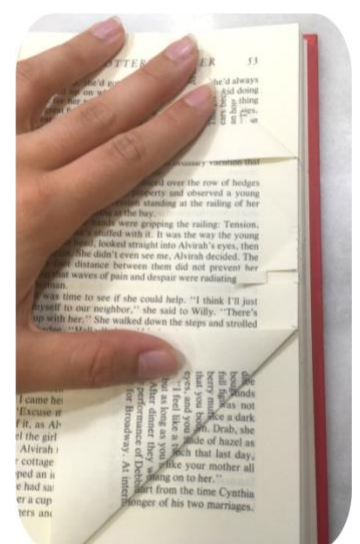
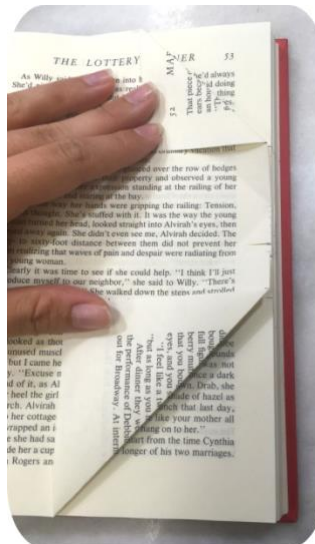
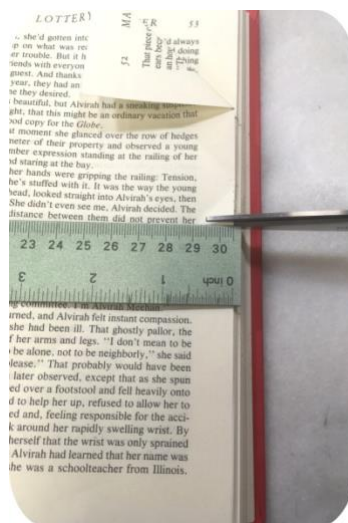
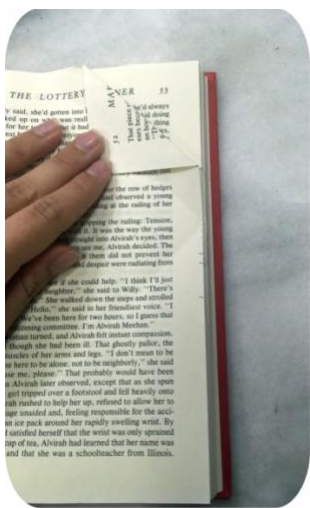
**Cutting:** Rotate your book so the folded pages are facing you. Make a mark on your scissors at 1cm from the tip. Go to the first page with cut points and cut each up to the 1cm mark on your scissors. Continue until you've cut all the cut points.

**Last Fold:** Go to the first page with cut points and fold the cut middle section(s) inward. Continue until you have folded all of the cut point sections on every page.



### All one Action:

Fold the Top Fold inward at a 90 degree angle. Get your scissors and, using your ruler, cut 1cm inward at the Cut Points. Fold those sections inward toward the spine of the book. Now fold the Bottom Fold inward at a 90 degree angle. Continue this on every page until you reach the end of your pattern.



Viola, enjoy your beautiful hand-folded Cut&Fold Combination book sculpture!