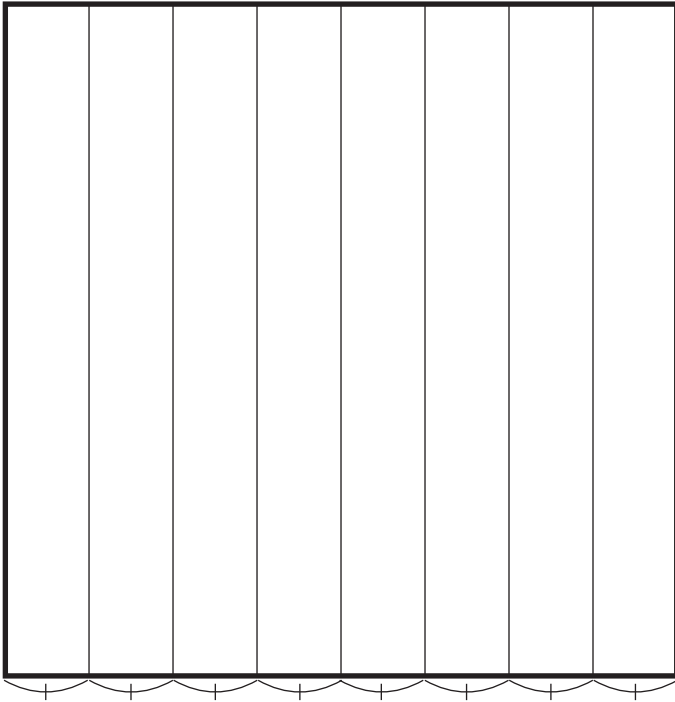
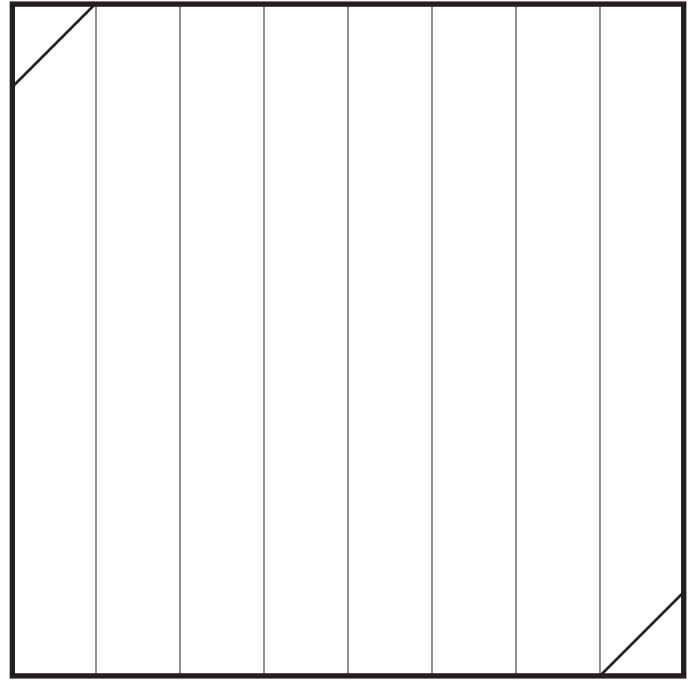


8-Sided Compass Rose Jar with Iris Closure Sequenced CP

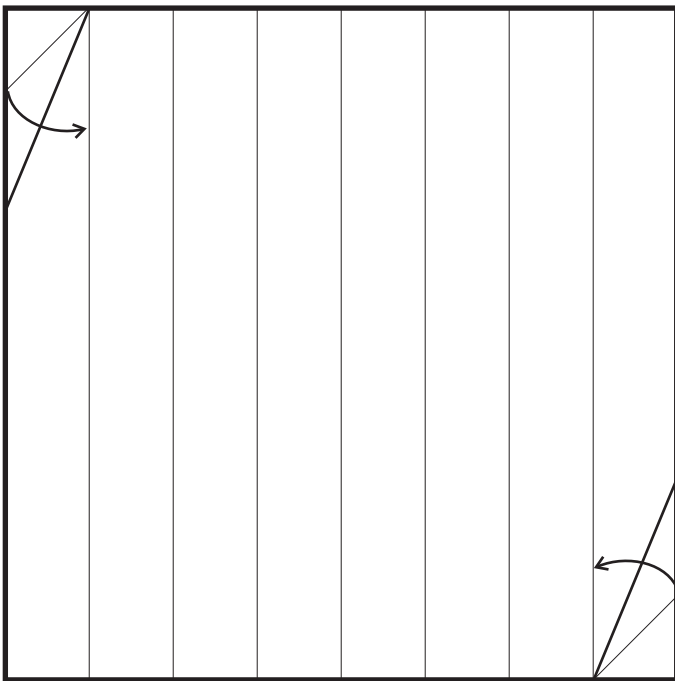


$1/8$

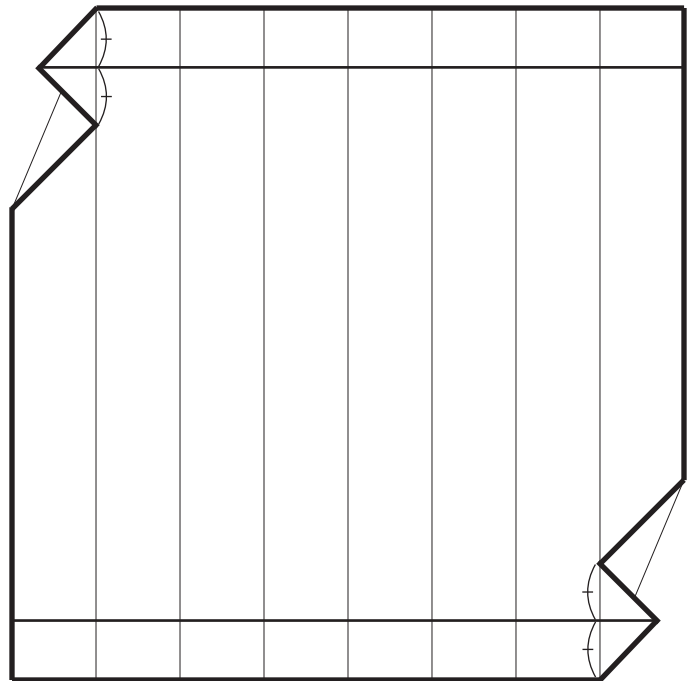
1	2
3	4



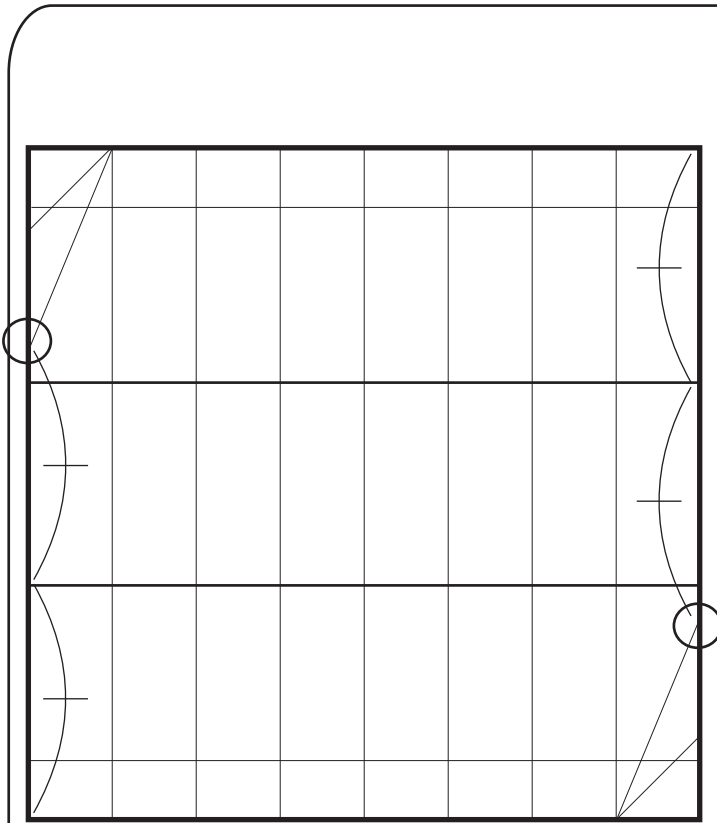
45°



$22^\circ 30'$

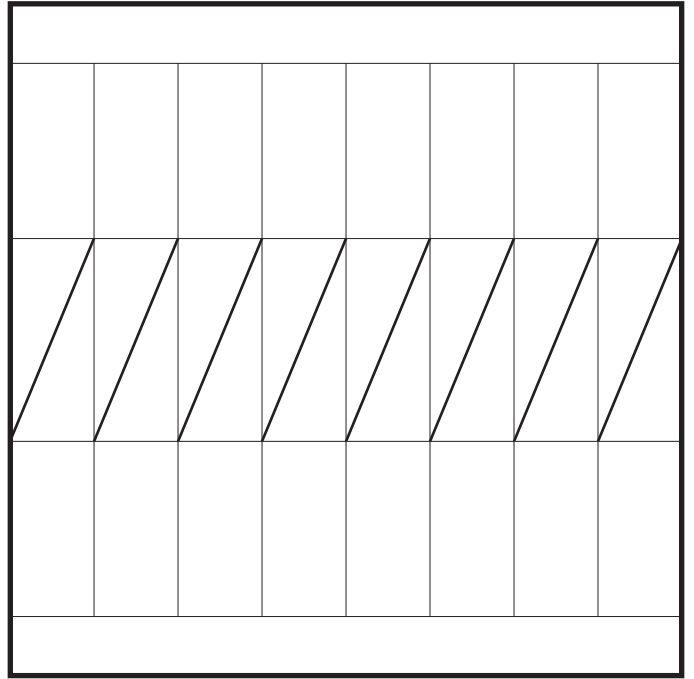


$\sqrt{2}/2$

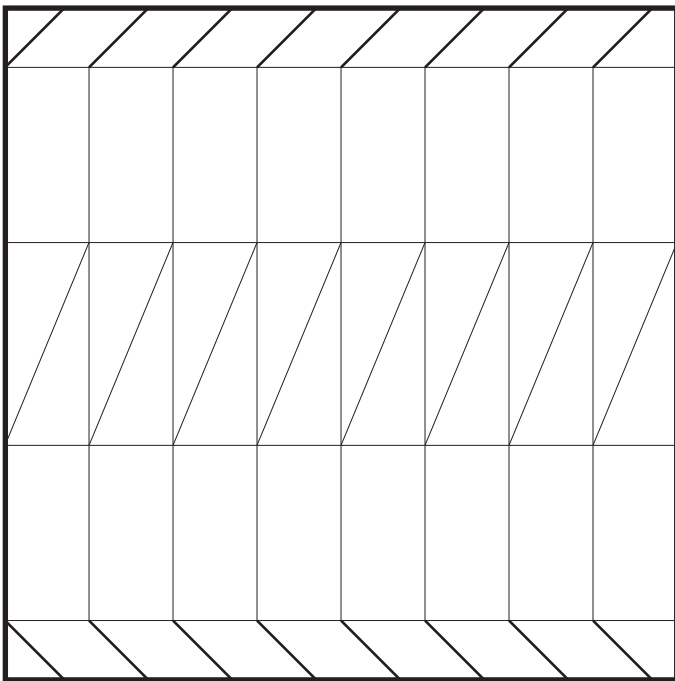


$1+\sqrt{2}$

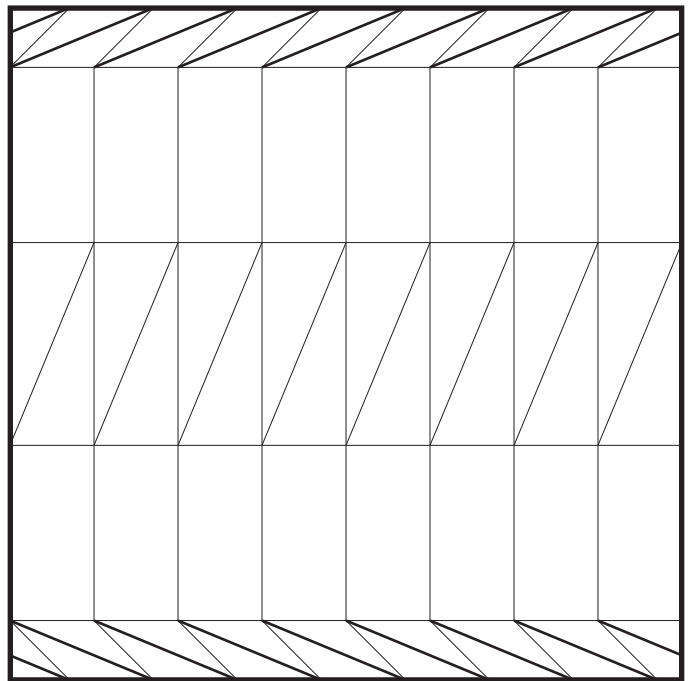
5	6
7	8



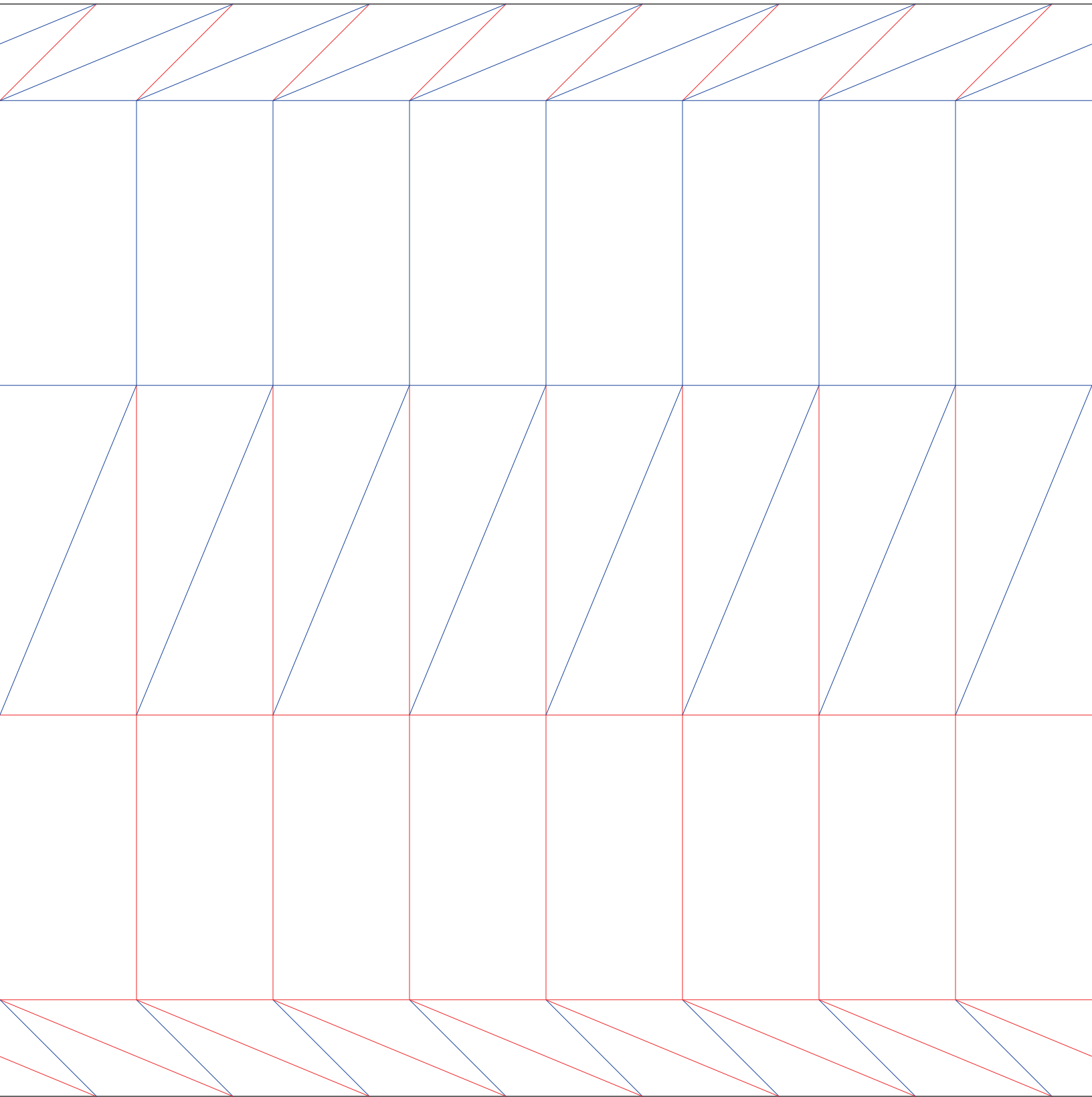
$67^\circ 30'$



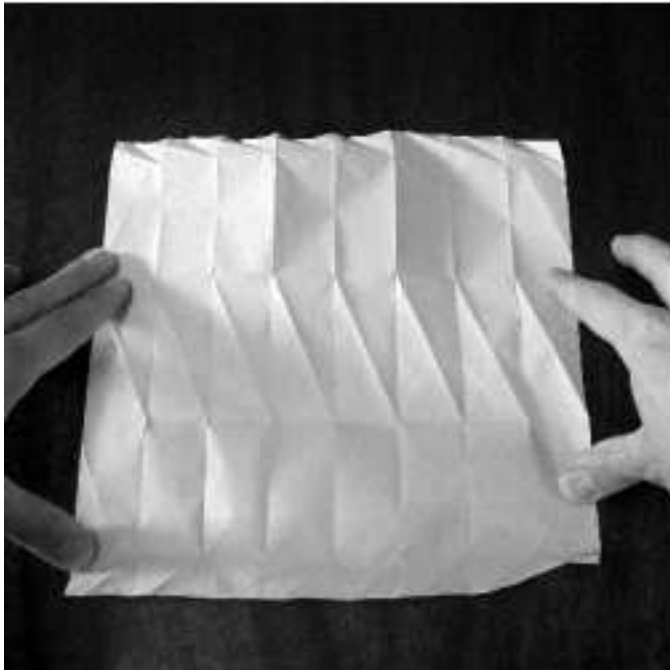
45°



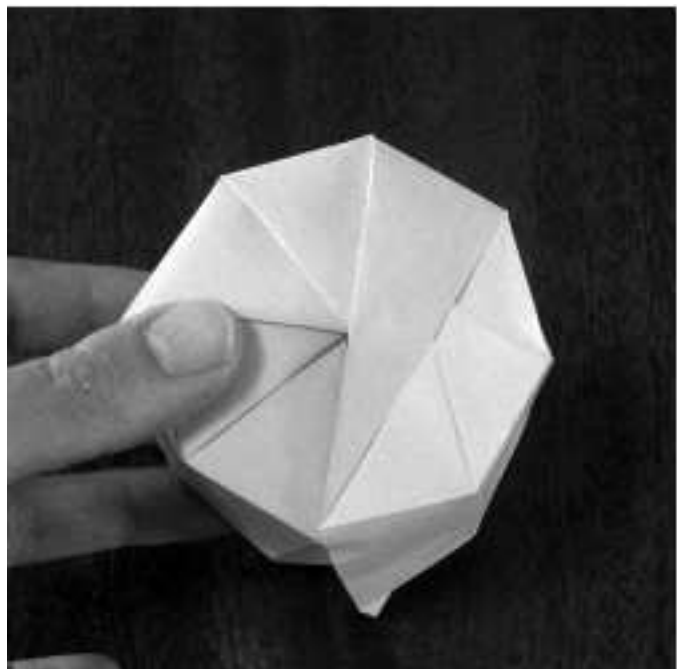
$22^\circ 30'$

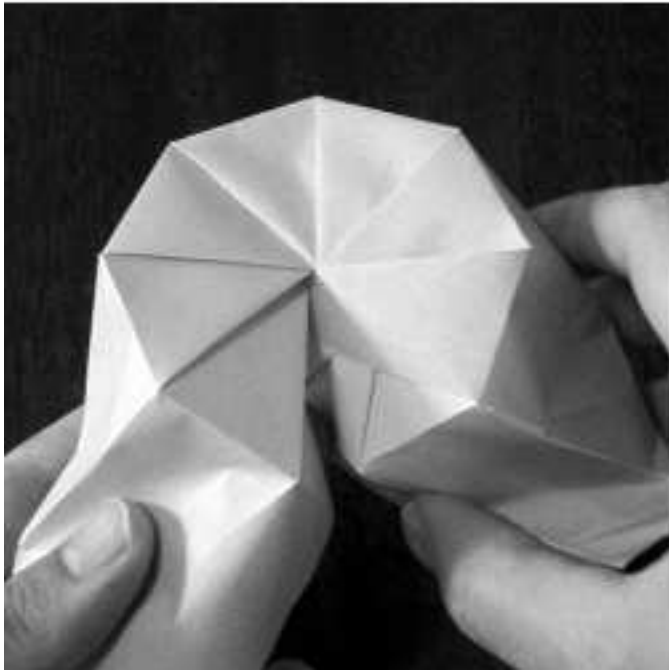


Color side = Up. Blue = Mountain. Red = Valley.

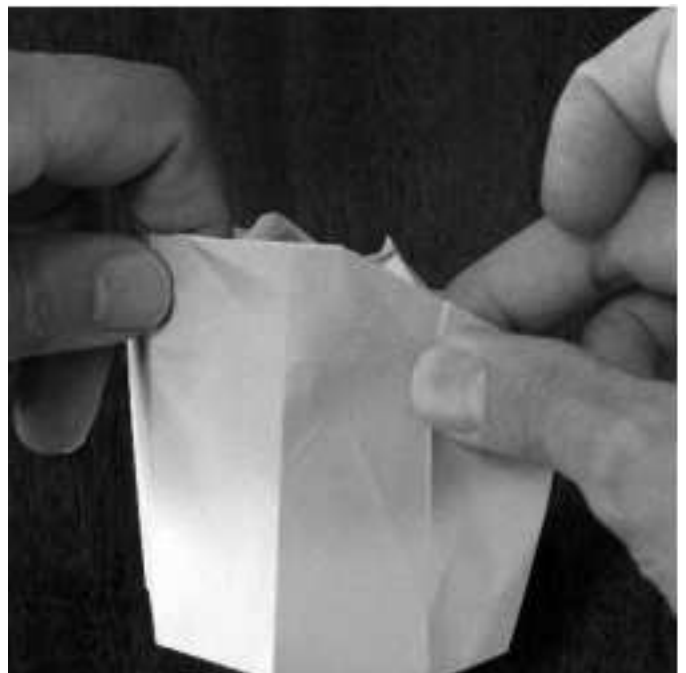
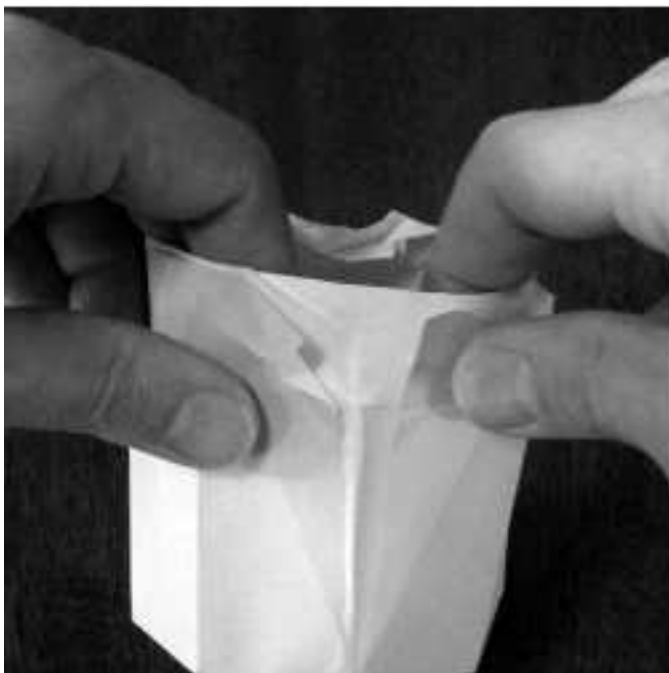


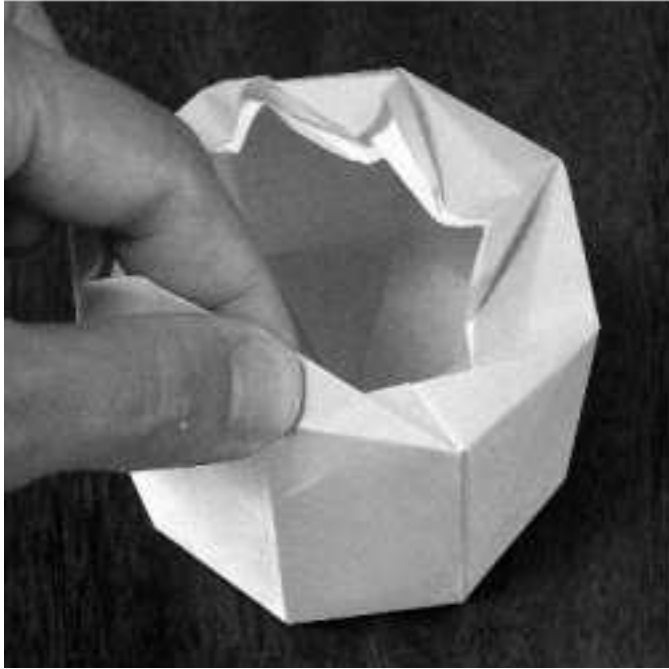
9	10
11	12





13	14
15	16





17 18

19 20

Important Trivia:

- Hold up to the light to see the compass rose.
- The eastern and western edges of the paper meet up along their length.
- The northern and southern edges meet up along their length with a $3/8$ offset.
- There is no white showing on this model, at least in theory.
- This model can be made from any rectangle - the distance between the twist and the iris closure is entirely at your discretion.
- The swapping of layers makes this model a toroid, a sort of twisted tube.
- The iris can be altered - in this model, a distance of $1+\sqrt{2}/2$ will make an iris going to every third corner.
- Changing the mountains and valleys in the iris closure will give you a one-sheet hyperboloid. You can graft another iris closure on top to lock it in place.



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That means you can fold this model, copy this document and give it away, teach this model to as many people as you care to, develop the idea into new models, and many other things you and I haven't thought of, yet.

What you can't do is make money off of it without making appropriate sacrifices upon the altar of my vanity. Unmarked twenties, preferred. And you must ask first.

Questions? You can always contact me through my website, <http://origami.oschene.com>

Philip Chapman-Bell, Northampton, MA, USA

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