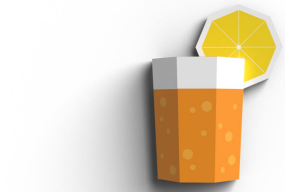
PAPERPOLY

designs



JUICE

FREE

VISUAL GUIDE

Model information

Dimensions: 11.2cm, 15.1cm, 7.9cm (width/height/length)

What you will need

To complate this model, you will need:

1. **2x A4 or Letter sized paper (180 - 200+ gsm) 2 white -** (colors are printed)
2. **Cutting tool** (cutting knife, scalpel, box cutter) – (scissors are not really good)
3. **Ruler** (so you can cut straight lines)
4. **Glue** (stick glue preferred)
5. **Cardboard** (2mm thick preferred)
6. Not needed but sure is a plus: **self-healing cutting mat**

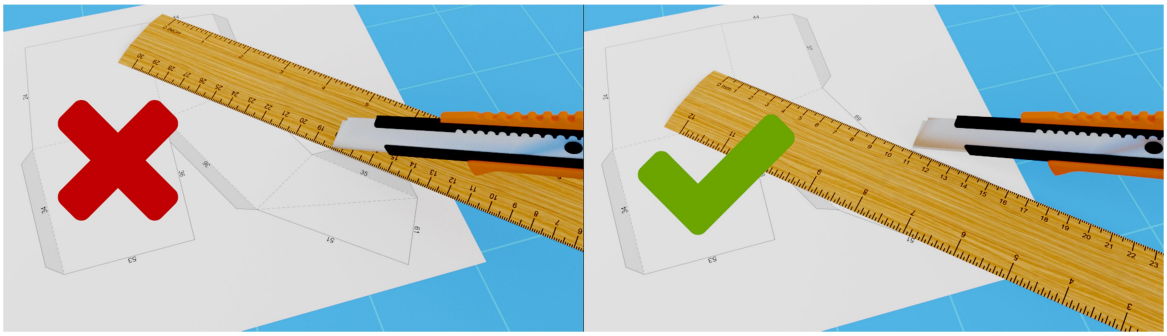
How to, tips and tricks

Two different ways to fold the model

Models can be folded in two different ways; with printed pages facing outwards or with printed pages facing inwards. **This guide is made to follow the first way: printed pages will be facing outwards.** If you decide to make the model with printed pages being inwards, you'll get the model mirrored. **This model can be folded both ways.**

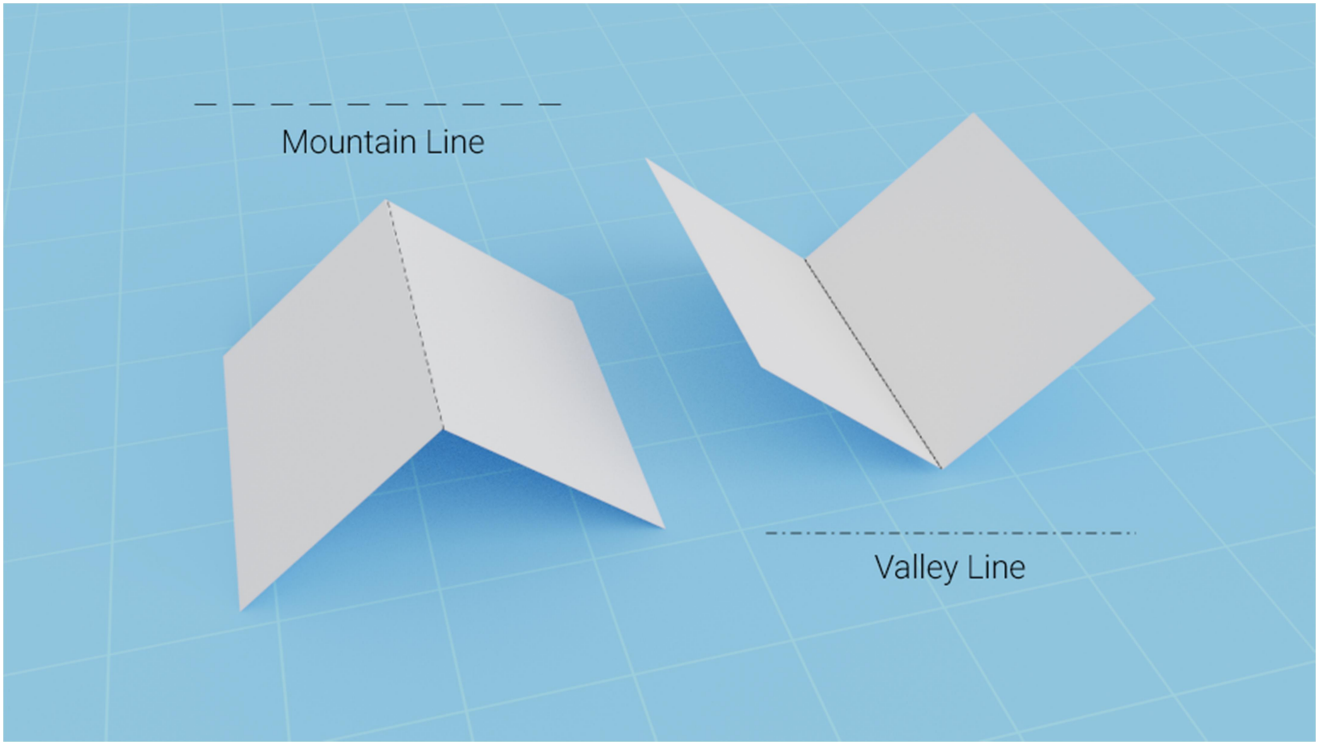
How to cut the parts

Align the ruler to the **solid lines** and use the cutting knife or tool of your choice to cut through the paper in a straight line. Sometimes it can happen that your knife will steer off the ruler which can cut through parts of the model. To avoid this, always point the ruler so it's facing out of the model itself. Here is the picture to demonstrate.



How to cut the mountain and valley lines

Apart from solid lines there are two other types of lines – Mountain and Valley. Represented in template they will look like this:



Mountain and valley lines are where the part needs to be folded. Mountain line means it need to resemble a mountain, so the line itself will be the peak. Valley lines are the opposite and they will represent the bottom of a valley. In a essence you eather fold the part down or up.

To make the lines easier to fold you need to make an incision across the line. Use slight force so you don't cut through the paper all the way. If you need you can practice this on empty parts of the template (they will get thrown out anyway). The goal is to make the paper across the line easly foldable without bending or ripping off.

As this guide follows the "printed pages facing outwards" style, that means that mountain lines need to be cut with page facing up, and valley lines need to be cut with paper facing down. Now this can be tricky as when you flip the page you will not be able to see where to cut the line. You can tackle this problem a few different ways.

1. Usually the lines end at corners, so you just need to keep track of wich two corners the line connects while fliping the paper and then make an incision between those two corners.
2. You could cut the paper through just a tiny bit at line start and at end, so when you flip the paper you will clearly see where are the start/end points for the incision.
3. Use a background lit mat or just put it onto the window to see through the paper. Because you'll be using the thick paper for template, that might not always work.

Gluing

When gluing you should apply glue to the "flap". No need to put it on both ends. All edges that need to be glued together are matched by number. So for example a flap with number 17 will have a corresponding edge with the same number. Now, since numbers on the edges will be cutoff when you cut the part, to check where it needs to be either check on the remainings of the paper where the part was, or look at the template pdf file to find it. But don't worry, you'll find that parts seem to come together naturally and by following the guide, you'll have a clear idea where the part goes, with practice you won't even take notice of most of the numbers.

Self gluing

Most of the parts should be solved first before connecting them to the previous ones. Same as gluing, it's just that the edges that need to be glued are on the same part. This is very easy, as it will fold the model properly just by gluing those edges.

Cardboard cutting

Usually we'll first do the backplate (the flat out parts that will be facing the wall). Once they are done, you should put the finished backplate on the cardboard. Then either keep the backplate by hand or use something to keep it in place and draw lines around it on the cardboard (with a regular pencil). Now you'll have the same shape on cardboard that you need to cut. It will be good to cut it little bit inwards since the lines you drawn are little on the outside of the actual backplate. After that just glue the backplate to the cardboard.

Printing the template

Your template file will have a little color box on each page in the top left corner. This is the suggested color on what color paper you should print it on. (White is represented with light gray, so when you see light gray it just means white paper). Notice which pages are what color and printed them on respective colored paper accordingly.

How to use this guide

This visual assmebly guide is represented by two columns. In the left column you will see in bold, the current Step number, and parts that you will need from the template in that step. Where needed some additional comments will be present.

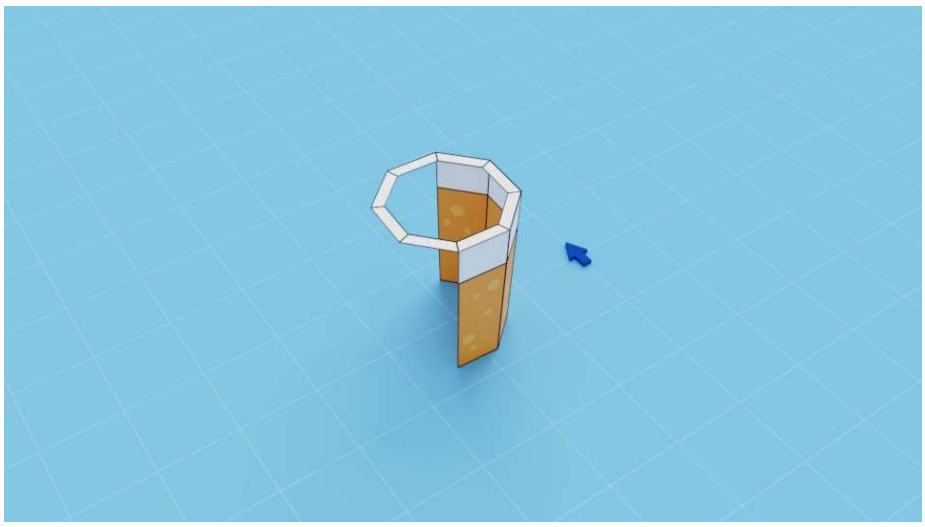
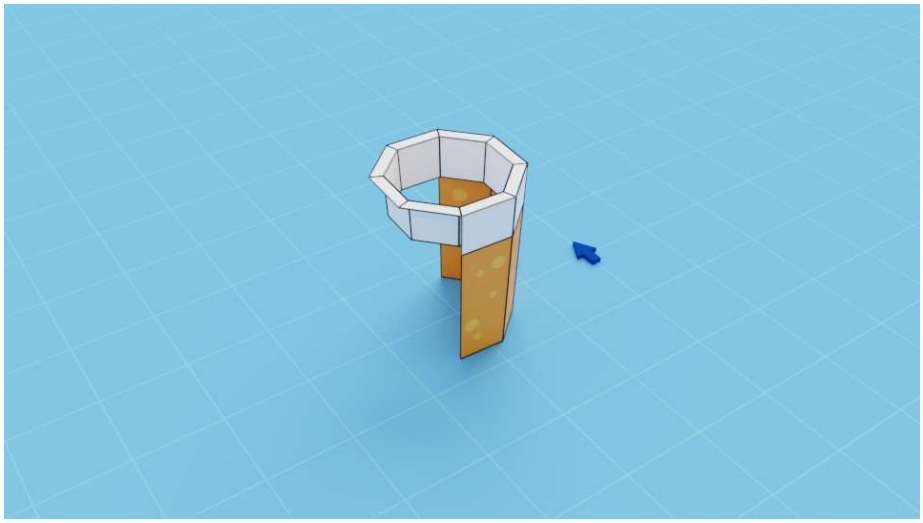
In the right column you will have a visual representation where each part goes. Parts added in that step will be colored differently than they are, so you can clearly see which ones are added. Also present is a blue arrow that will point "north", since the view angle of the model will change to better show parts added. This arrow can help you with orientation for easier understanding of the picture.

Model overview

Model is divided into 2 sections.

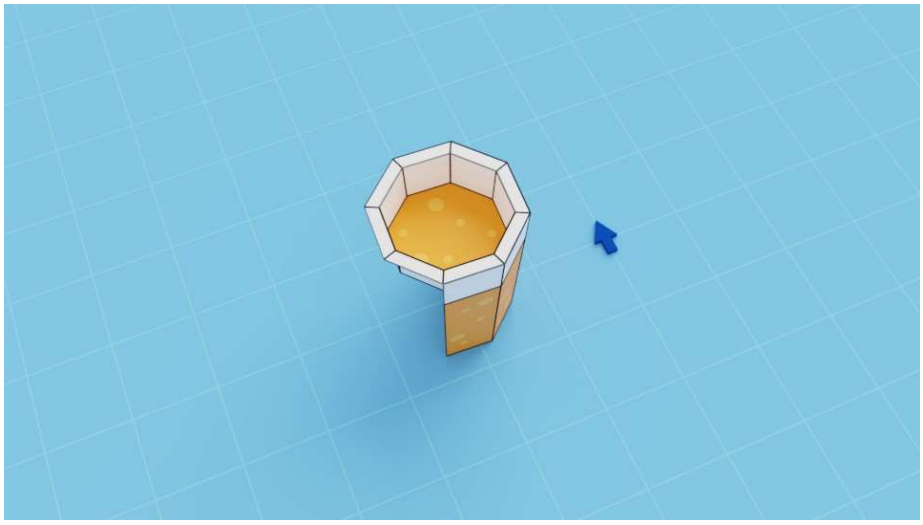
- Section 1: Juice
- Section 2: Lemon

Section 1 - Juice

Parts needed	Visual guide
Step 1 **1** Always fold and glue the parts themselves that have self references first. Respect the lines on the template for mountain and valley folds. Keep doing this for others parts for the rest of the section.	
Step 2 **2** Now inner glass edge.	

Step 3

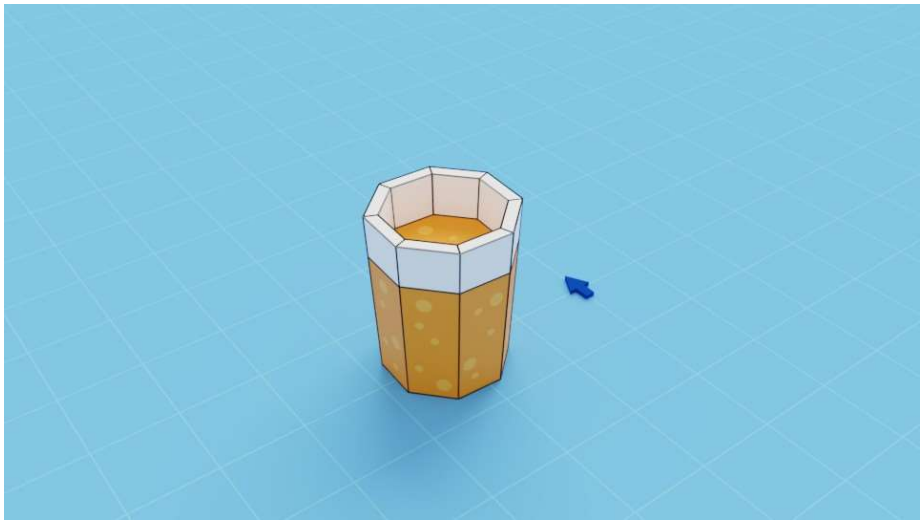
3



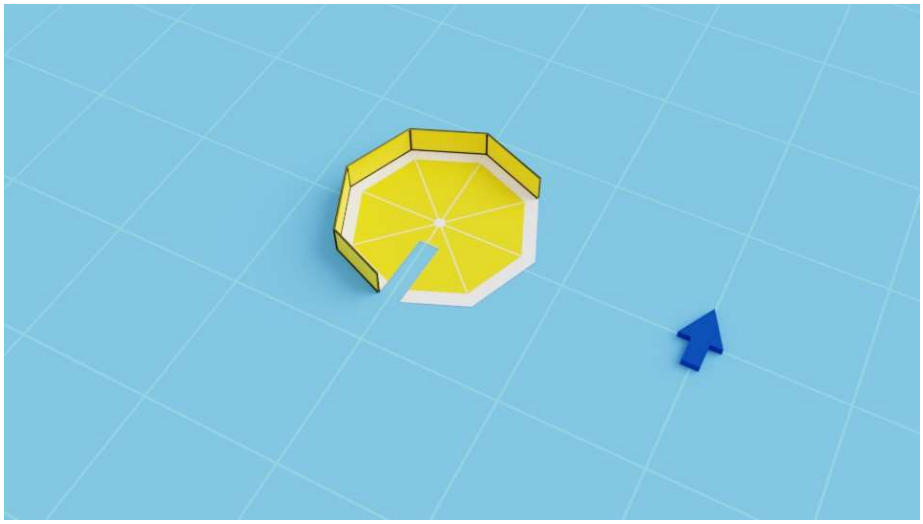
Step 4

4

Finally, glue the other part of the glass. It's best if you glue the sides and top, and then cap the bottom in the final move.



Section 2 - Lemon

Parts needed	Visual guide
Step 1 **5**	
Step 2 **6**	

Step 3

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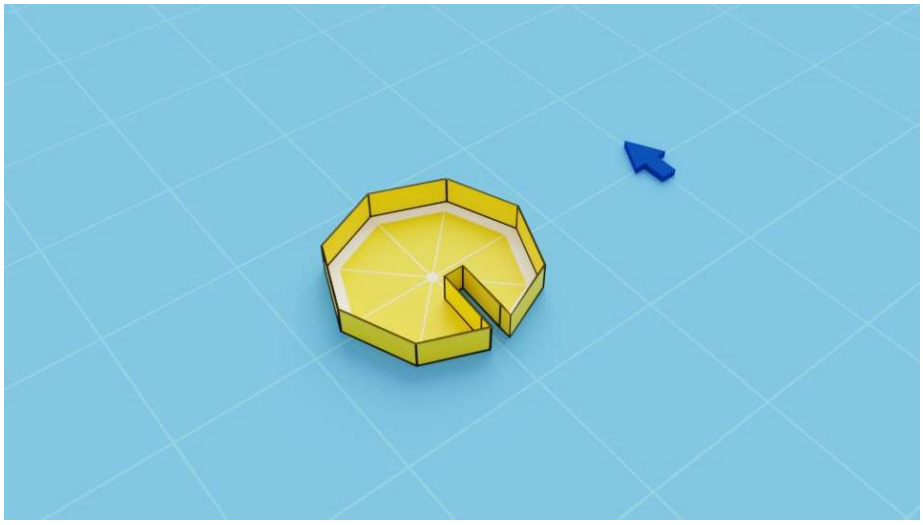
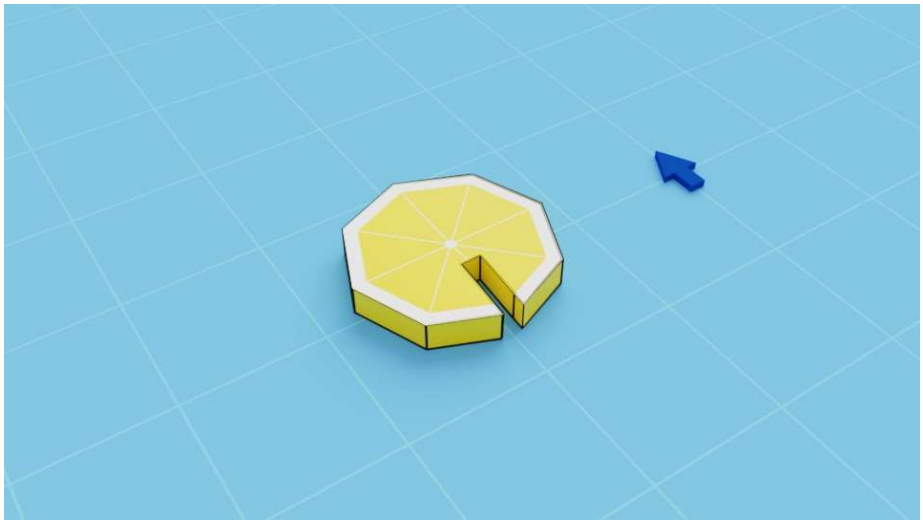


Step 4

8

Finally, cap the lemon.



Assembly

All that is left to do is put the Lemon onto the Glass!

Parts needed	Visual guide
Step 1 **Section 1, Section 2** Put the Lemon onto the Glass and that's it! For some extra decorations you can make a hole and put a straw inside the glass! Cogratulations, you are done!	

Thank you!

I would like to thank you for showing interest in PaperPoly. Hope you enjoyed making this model, and hope you'll come back for more.

I really appriciate your interest in my designs, it means a lot to me.

I hope that the guide was easy to follow and if you have any questions you can write me where you purchased this template or on social media.

E-Mail: polypaper17@gmail.com

Website: www.paperpoly.com