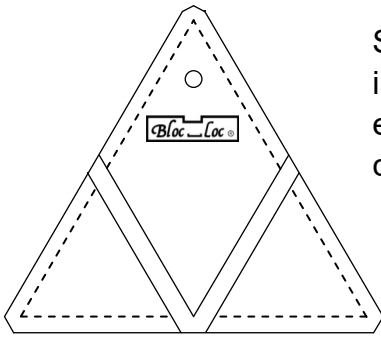


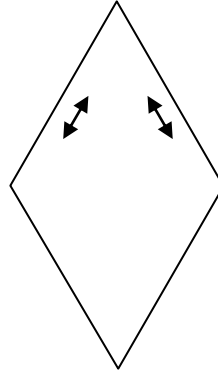
Diamond in a Triangle (DIT) Ruler Set Instructions

Your DIT set can make a wide variety of hexagonal patterns, ranging from 1000 Pyramids and stars inside hexagons to compound star units and Millefiori style quilts. You can use one size to create all these quilt patterns or you can mix and match different sizes to create stunning and unique patterns. The grooved ruler is labeled as finished, but is actually finished + 1/2" to include the seam allowance. Each set contains the following three pieces:

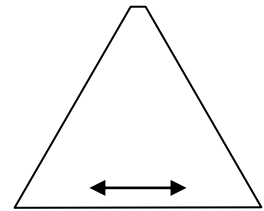


DIT Grooved Ruler
(exact size)

Size of grooved ruler is measured along each flat side from corner to corner.



Center Diamond Cutting Template
(oversized)

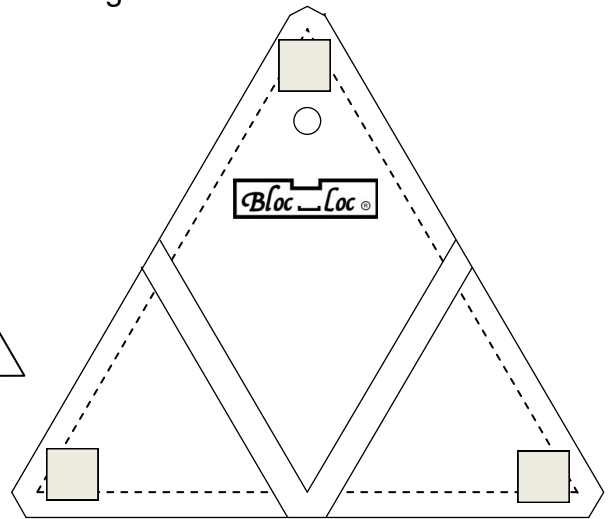
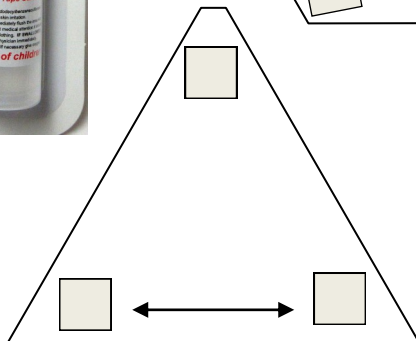
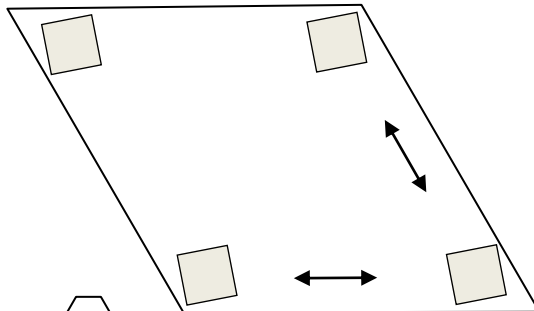


Side Triangle Cutting Template
(oversized)

Prepare your Ruler and Templates

Cut small, 1/2" or smaller size squares from the roll of Traction Tape and peel the tape away from the paper backing. Apply as closely as you can to each corner of the cutting templates.

The tape should not be applied to the groove side of the ruler because it will interfere with the functioning of the ruler but if you apply the tape to the **flat side only**, you can use your grooved ruler to cut shapes that will make 1000 Pyramids designs and spacer units between hexagon stars.



Be sure to place the Traction Tape onto the flat side of the ruler.

How to Cut Out the Template Shapes

Cut the strip widths based on the ruler size and place the templates onto the strips as shown below.

Right Handed Cutting

Place the template grainline parallel to the cut edge of the fabric strip.



Cut around the template and then rotate the template to make the next cut.

Place one of the template grainline parallel to the cut edge of the fabric strip.



Cut around the template and then move it forward to make the next cut.

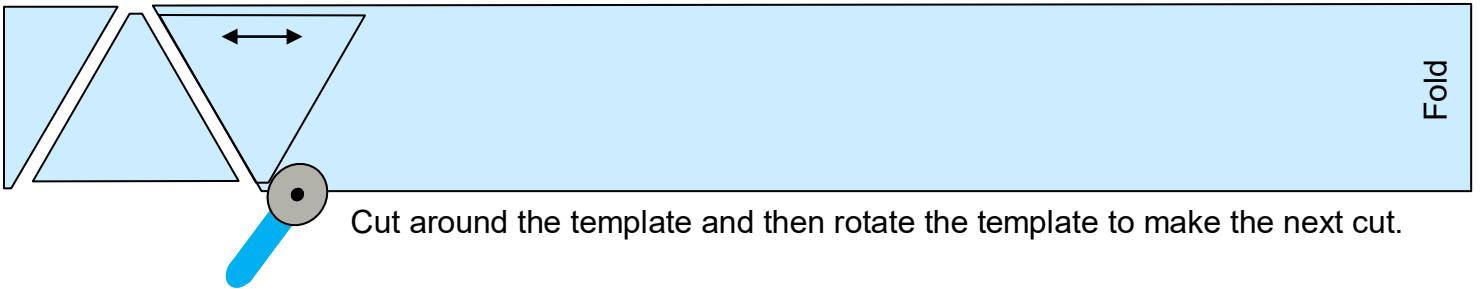
Place the grooved ruler side (flat side touching fabric) parallel to the cut edge of the fabric strip.



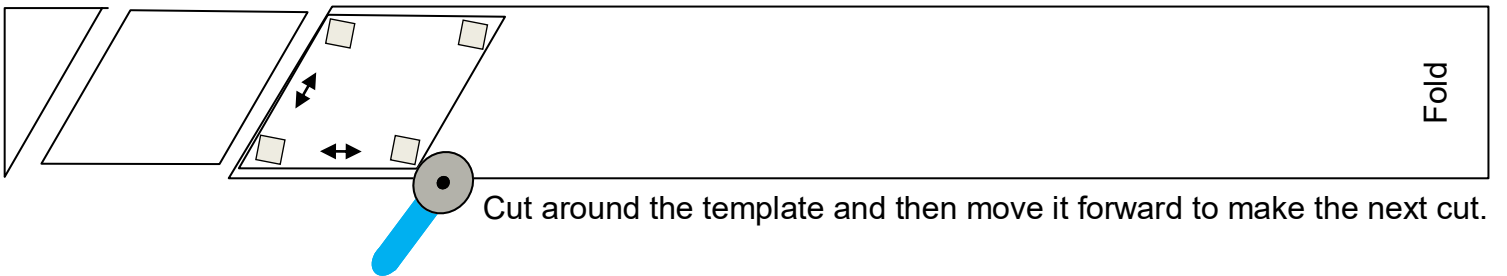
Cut around the grooved ruler and then rotate the template to make the next cut.

Left Handed Cutting

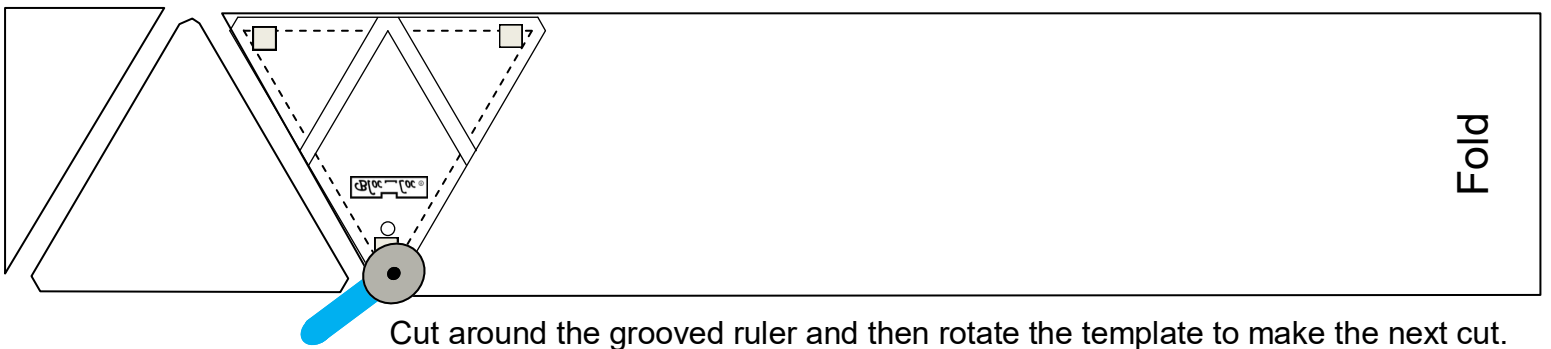
Place the template grainline parallel to the cut edge of the fabric strip.



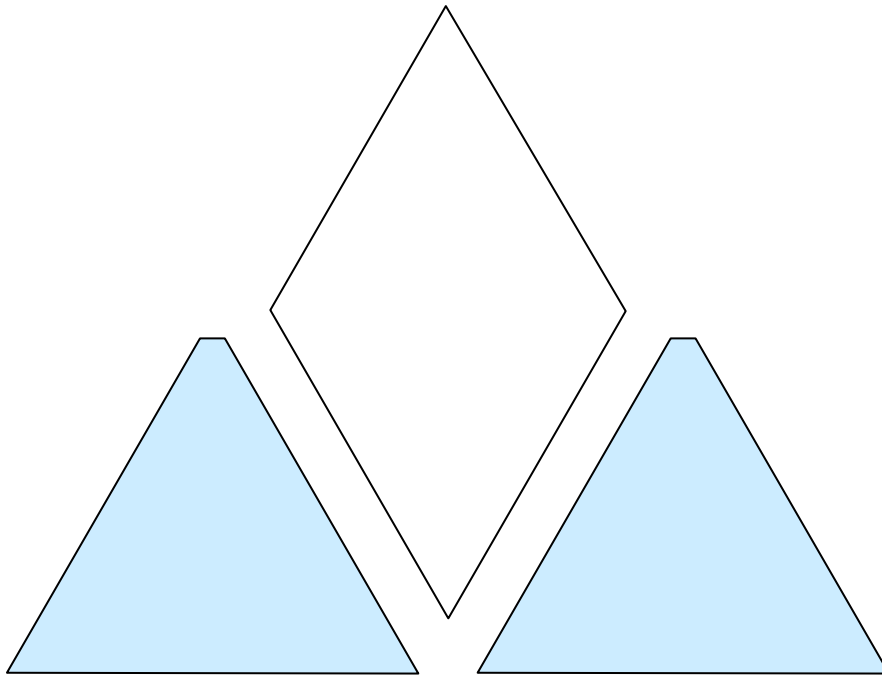
Place one of the template grainline parallel to the cut edge of the fabric strip.



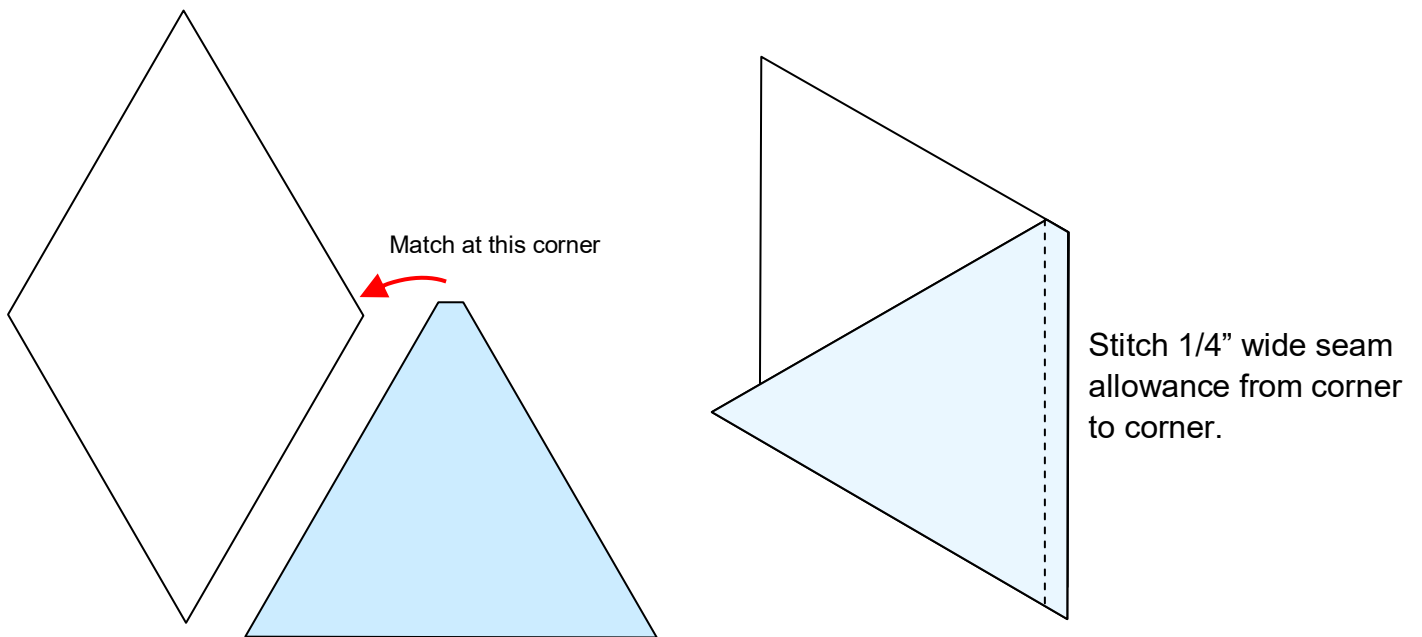
Place the grooved ruler side (flat side touching fabric) parallel to the cut edge of the fabric strip.



How to Sew the Units Together*

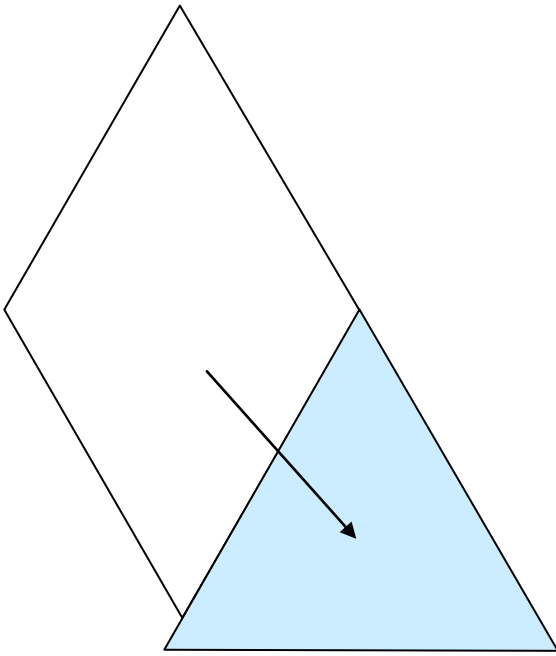


1. In front of your sewing machine, place one center diamond shape in the middle, between the pair of side triangles with all three pieces right side up.

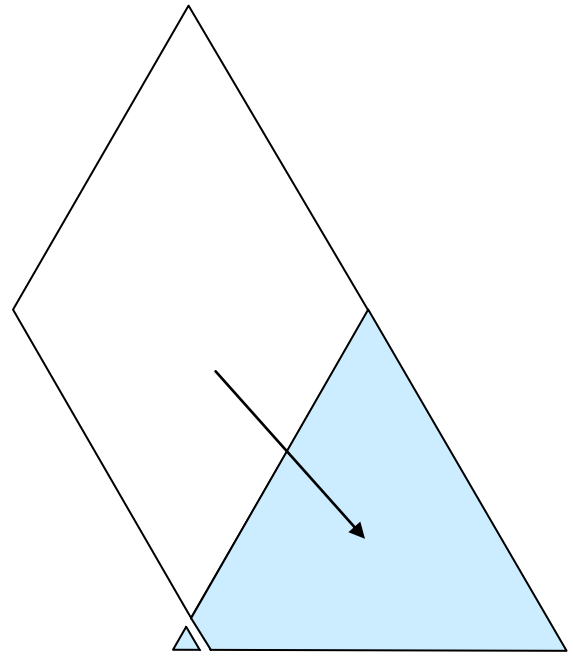


2. Flip the blue side triangle on top of the center diamond shape, matching at the corner and both pieces must be right sides together. Stitch 1/4" seam along the edge.

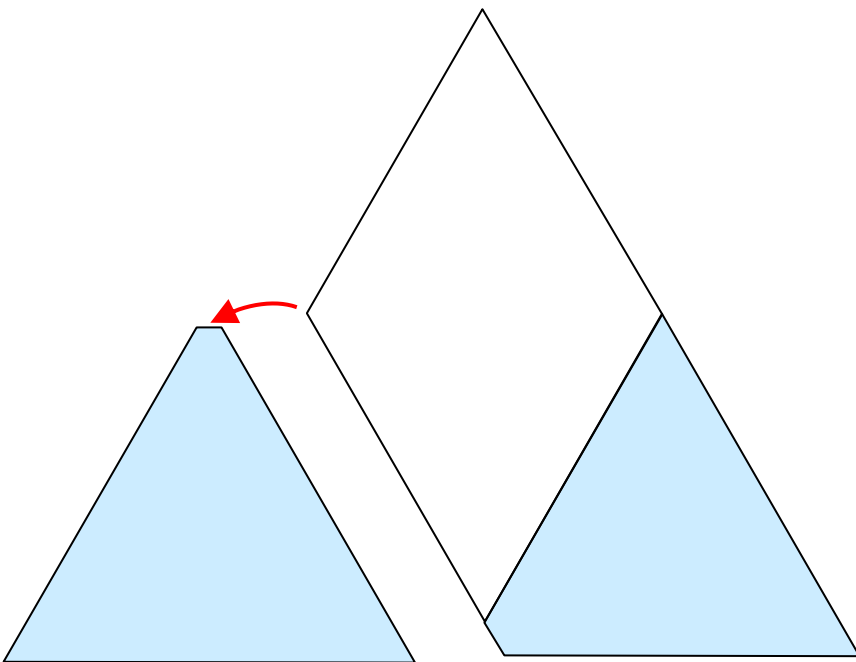
*It's extremely important to always sew the units together in the same way because the order you sew the units determines the pressing sequence for your entire quilt project. Once you start building the units above, they must always be made the same way.



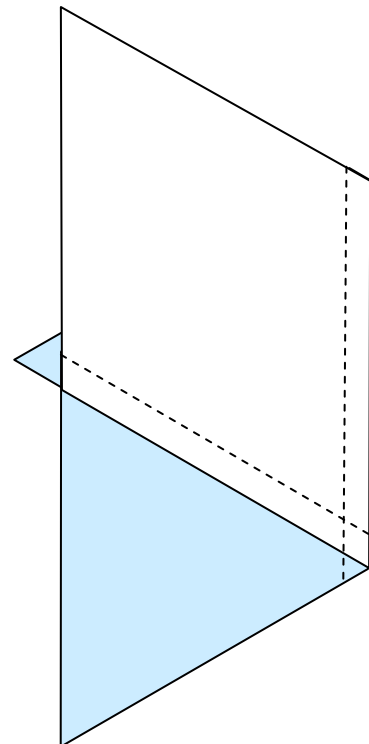
3. Press the seam toward the side triangle. Notice that the side triangle extends past the center diamond shape along the bottom edge. This is normal.



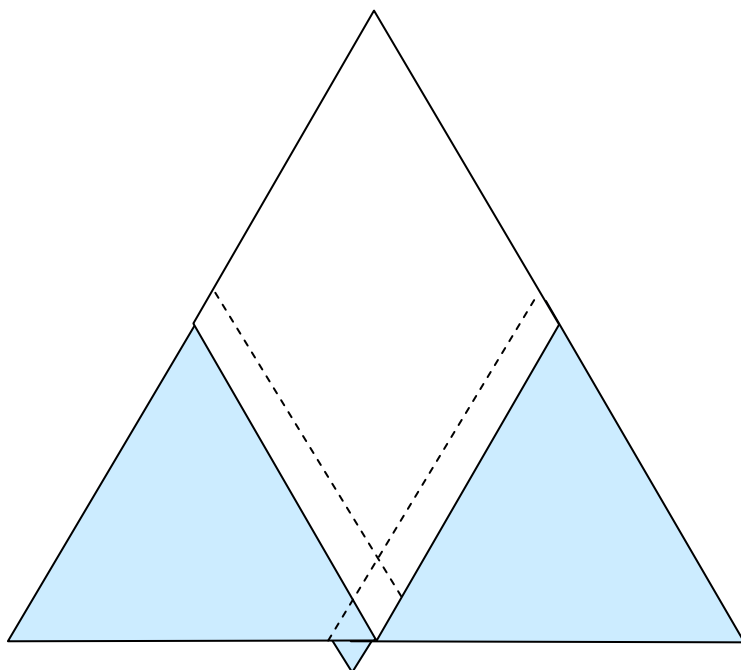
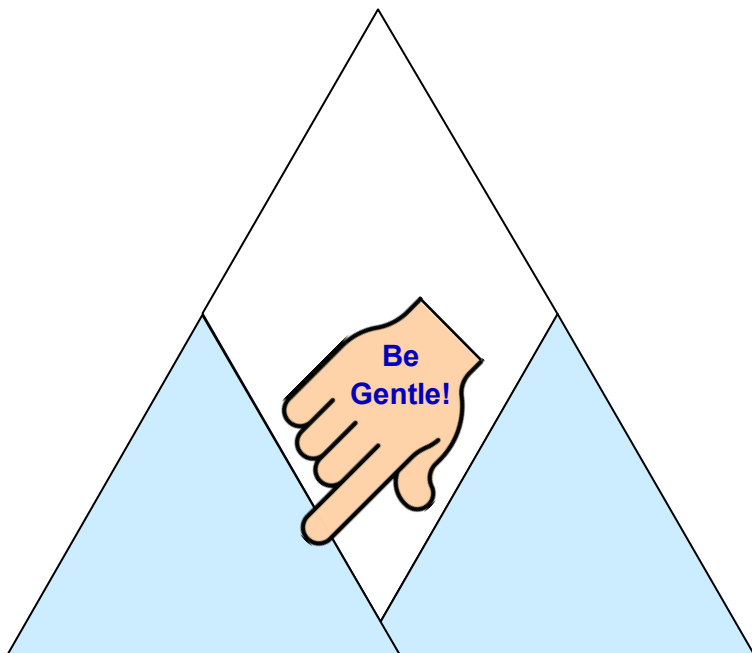
4. Clip off the little triangle at the lower left edge.



5. Reposition the pieces once more, this time with the remaining side triangle on the left. Flip the sewn unit on top of the side triangle, matching at the corner of the center diamond shape.

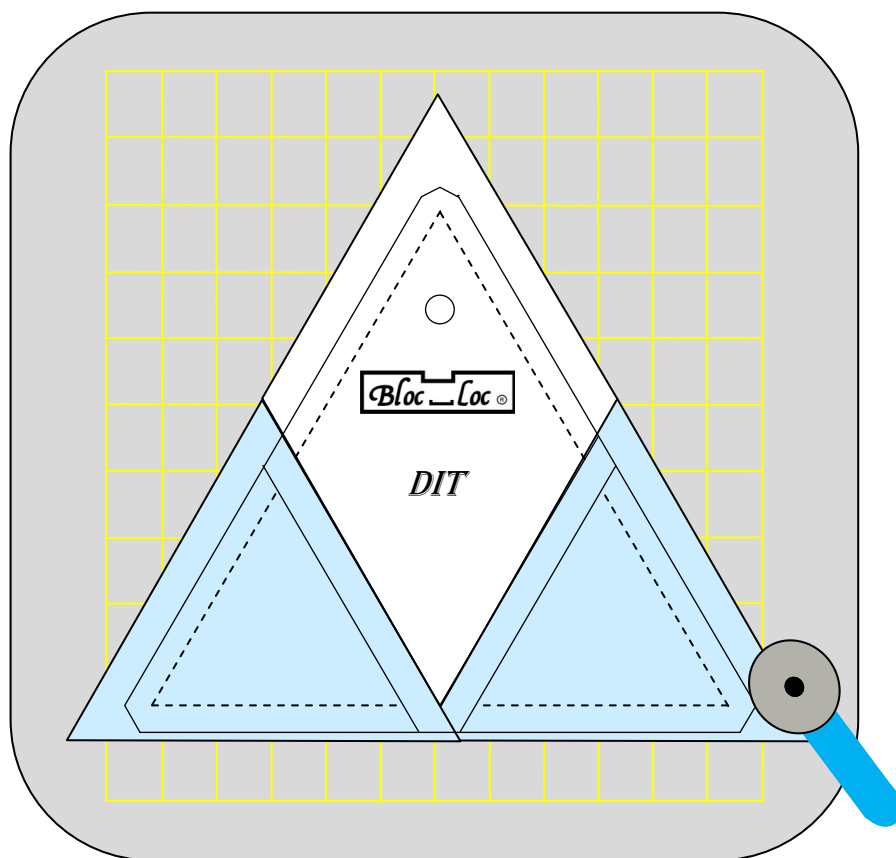


6. Stitch 1/4" seam along the edge from corner to corner.



7. Gently **finger press** (NO IRON) the seam allowance to the side triangle.

View from the wrong side

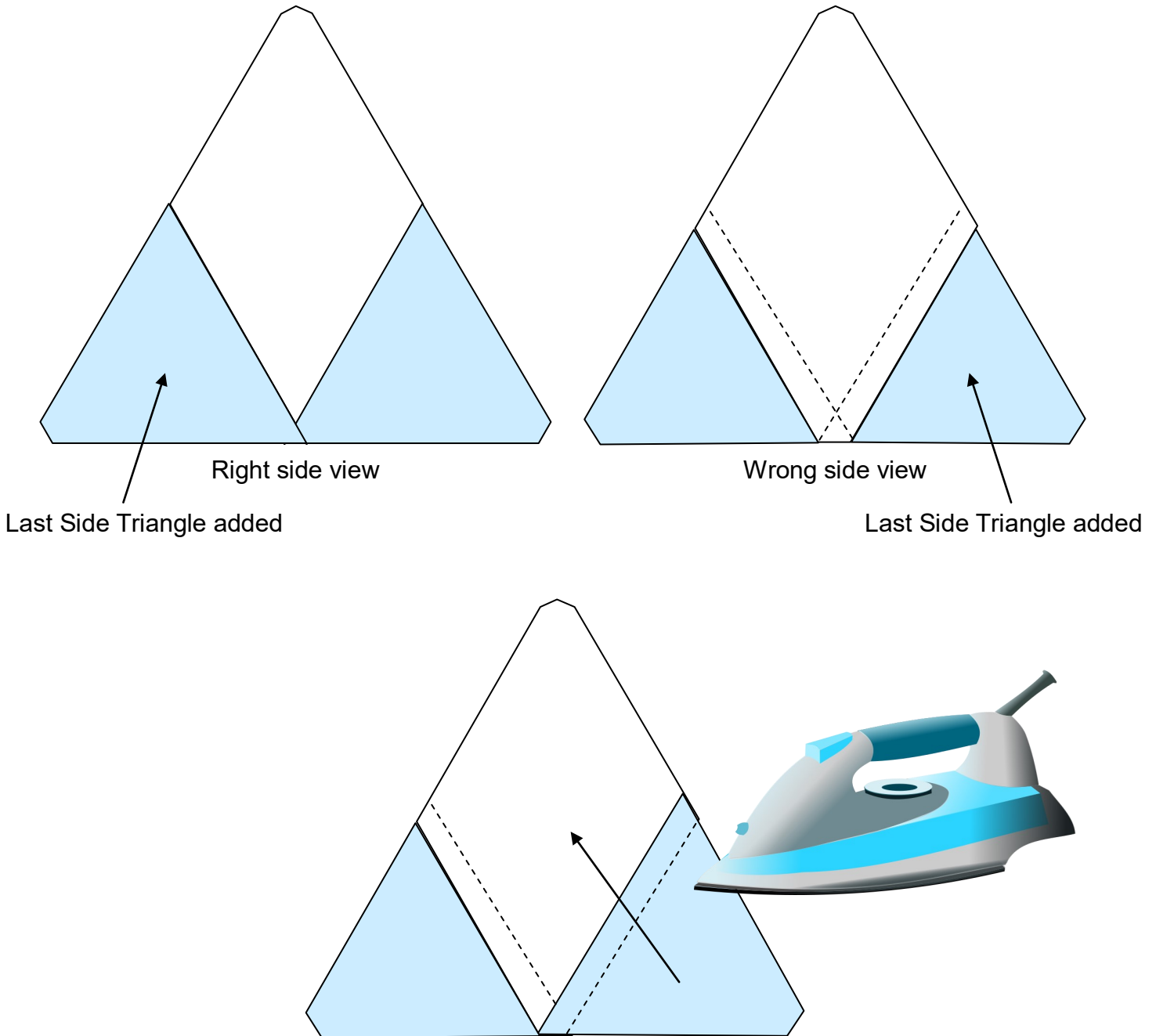


8. Place the unit onto a rotary mat and lock the grooves from your Bloc Loc Diamond in a Triangle onto both seams. Make sure there are no gaps in either groove.

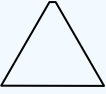
Trim all the way around the ruler. Be sure to trim the smaller corners and around the tip because these are useful for matching units together into stars. **You are not finished just yet. Turn the page to see the final step for perfect diamond in a triangle units!**

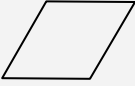
The Final Step is Crucial!

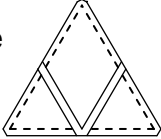
The last side triangle that you added to your unit must now be pressed to the center diamond and because you finger pressed it so that it could be trimmed using your Bloc Loc, it can now be re-pressed to the center. *If you had used your iron, re-pressing would not be possible.* This step will set up your project so that all the pieces fit together with seams interlocked and going in opposite directions.



Re-press your last side triangle added back to the center diamond shape. You can use your fingers to push it back to the center (from the wrong side) and then hold the iron on top for a few seconds to hold it in place. It also helps to turn the unit over and press it again on the right side. You're now ready to sew your units together into star hexagon block.

Ruler Size	Side Triangle Strip Size 	Number of Side Triangle Pairs per 20" strip (from Fat Quarter)	Number of Side Triangle Pairs per WOF strip
1"	1 1/2" x wof	9 pairs	17 pairs
2"	1 7/8" x wof	7 pairs	14 pairs
3"	2 1/4" x wof	5 pairs	12 pairs
4"	2 3/4" x wof	4 pairs	10 pairs
5"	3 1/8" x wof	4 pairs	9 pairs
6"	3 5/8" x wof	3-4 pairs	7-8 pairs

Ruler Size	Center Diamond Strip Size 	Number of Center Diamonds per 20" strip (from Fat Quarter)	Number of Center Diamonds per WOF strip
1"	1 1/8" x wof	15	30
2"	1 1/2" x wof	11	22
3"	2" x wof	8	16
4"	2 1/2" x wof	6-7	12-14
5"	2 7/8" x wof	5	11-12
6"	3 1/4" x wof	5	10

Ruler Size	Grooved Ruler Shape Strip Size 	Number of Grooved Ruler Shapes per 20" strip (from Fat Quarter)	Number of Grooved Ruler Shapes per WOF strip
1"	1 1/2" x wof	17	34
2"	2 1/2" x wof	11	22
3"	3 1/8" x wof	8	16
4"	4" x wof	7	14
5"	4 7/8" x wof	5	11-12
6"	5 3/4" x wof	4	8-9