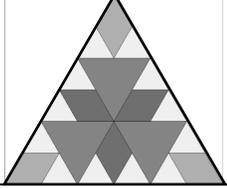
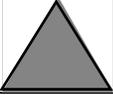
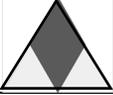


CLUE #19

BLOCK NAME	MAKE	GRAYSCALE VERSION	MAIN FABRIC SELECTION	ALTERNATE FABRIC SELECTION
AIN'T NO MOUNTAIN HIGH ENOUGH	3			

OVERVIEW	SPECIAL INSTRUCTIONS	TOOLS
<ul style="list-style-type: none"> <input type="checkbox"/> Ain't No Mountain High Enough Block is made up of 2 sets of Diamond Triangles (3 each) and (3) Companion Triangles. <input type="checkbox"/> All the Diamond Triangles will be constructed the same. However, they will be trimmed differently depending on the unit and their placement in the block. 	<ul style="list-style-type: none"> <input type="checkbox"/> Select the FQ Remnants from the previous Block #12. 	Studio 180 Design Star 60™ GENERAL INSTRUCTIONS <ul style="list-style-type: none"> <input type="checkbox"/> HWOFF = Half Width of Fabric, cut from a Fat Quarter, typically 20-21". <input type="checkbox"/> WOF = Width of Fabric, cut selvage to selvage, typically 40-42".
<ul style="list-style-type: none"> <input type="checkbox"/> For tips on this week's block, read this week's Sew on the Go Blog post or Online Class (Clue & Class members only). <input type="checkbox"/> Basic instructions are provided below. If you need additional information, refer to the Star 60 instructions. 		

CUTTING INSTRUCTIONS AND DIRECTIONS WILL PRODUCE: 3 BLOCKS

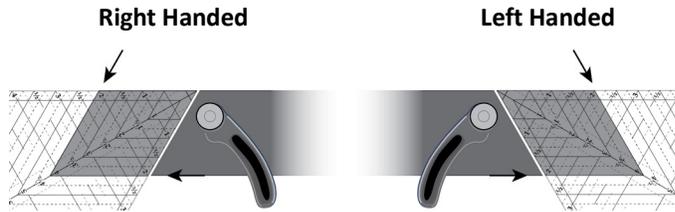
	UNIT	# OF UNITS	PLACEMENT	FABRIC VALUE	CUT
A	Diamond Triangle LM/BG 	9	Diamond	Light-Med	(2) 2 ¼" x HWOFF Strips
			Side Triangles	Background	(1) 2 ½" x WOF Strip
B	Companion Triangle 	9	Companion Triangle	Medium	(2) 4" x HWOFF Strips
C	Diamond Triangle MD/BG 	9	Diamond	Med-Dark	(2) 2 ¼" x HWOFF Strips
			Side Triangles	Background	(1) 2 ½" x WOF Strip

SUB-CUTTING DIAMONDS

- Gather** the (2) 2 ¼" Light-Med Strips for A Diamonds, and the (2) 2 ¼" Med-Dark Strips for C Diamonds. For the next step, let's start with the Med-Dark Strips.
- Position** the Med-Dark Strips open on the cutting mat and trim one short edge at a 60° angle as shown with the edge of the strip on the centerline. Right handed quilters will start at the left side of the strip while left handed quilters will start at the right side. Cut off as little as possible from your strip.



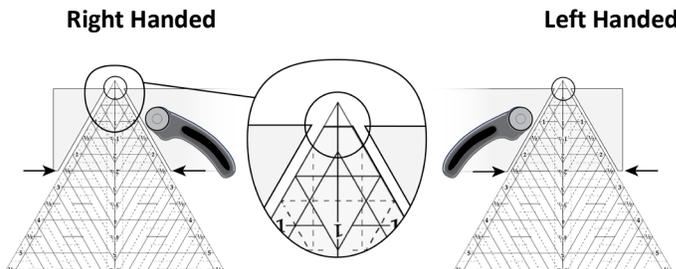
- Position and trim.** Align the Diamond Point Guidelines with the raw edges of the strip and the just trimmed angled cut. Use the 4" Diamond Point guidelines and cut along the leading edge of the tool to create the diamond shapes.



- Continue** aligning and cutting until you have (9) Diamonds needed. **Assign (9) to Unit C – Diamonds.**
- Repeat** steps 2-4 with the following strips:
 - **Light-Med (2) 2 1/4" Strips, cutting (9) Diamonds for Unit A – Diamonds.**

SUB-CUTTING TRIANGLES

- Gather** the (2) 2 1/2" Background Strips for Unit A and Unit C Side Triangles.
- Position** the Background Strip open on the cutting mat, with the Star 60 tool on top of the fabric. **Align the mark near the tip of the tool** with the top of the strip and **the 2 1/2" horizontal line on the tool with the bottom edge of the strip.**

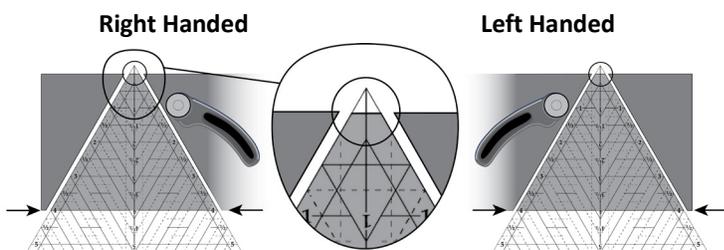


- To cut,** right handed quilters will cut from left to right. Left handed quilters will cut from right to left. Cut up one side of the tool and down the other.
- Rotate** the Star 60 tool 180° so that the sharp point is closest to you. **Align the 2 1/2" horizontal line of the tool with the upper edge of your strip** while also aligning one edge of the tool with the previously trimmed edge. **Note:** the mark near the tip of the tool should **align with the bottom of the strip.** Cut the next triangle shape from the strip. Continue rotating, aligning, and cutting until you have **(36) Side Triangles needed. Assign (18) to Unit A – Side Triangles and (18) to Unit C – Side Triangles.**

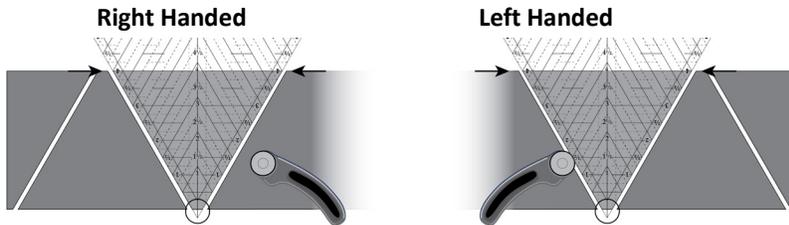


SUB-CUTTING COMPANION TRIANGLES

- Gather** the (2) 4" Medium Strips for the Companion Triangles.
- Position** the Medium Strip open on the cutting mat with the Star 60 tool on top of the fabric. **Align the mark near the tip of the tool** with the top of the strip and **the 4" horizontal line on the tool on the bottom edge of the strip.**

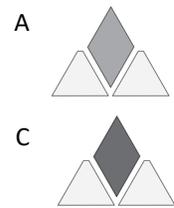


12. **To cut**, right handed quilters will cut from left to right. Left handed quilters will cut from right to left. Cut up one side of the tool and down the other.
13. **Rotate** the Star 60 tool 180° so that the sharp point is closest to you. **Align the 4" horizontal line of the tool** with the **upper edge of your strip** while also aligning one edge of the tool with the previously trimmed edge. **Note:** the mark near the tip of the tool should **align with the bottom of the strip**. Cut the next triangle shape from the strip. Continue rotating, aligning, and cutting until you have **(9) Companion Triangles**. **These are your B Units.**

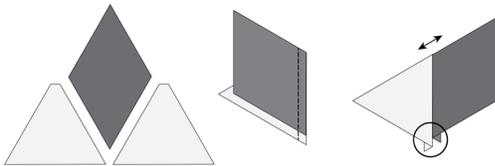


CONSTRUCTING UNITS

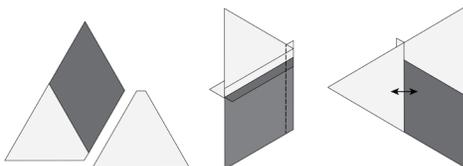
14. **Pair and lay out** the Diamonds with the proper Side Triangles:
- **Unit A:** (9) Light-Med Diamonds with (18) Background Side Triangles
 - **Unit C:** (9) Med-Dark Diamonds with (18) Background Side Triangles



15. **Position and stitch** the Diamond to the left Side Triangle. Take the Diamond and flip it left onto the left Side Triangle. Match the edge of the diamond with the blunt corner of the triangle and align the raw edges. **Stitch** with the Diamond on top with your best ¼" seam allowance. **Press** the seam open and **trim** the dog ears to match the Diamond's edge.



16. **Position and stitch** the remaining Side Triangle on the other side of the Diamond point. **Align** the flat corner of the Side Triangle with the edge of the Diamond. **Align** the raw edges. With the Diamond on top, **stitch** with your best ¼" seam allowance. **Press** the seam open. Repeat for all the units.

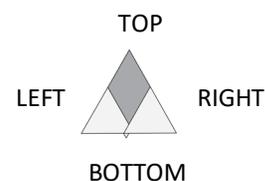


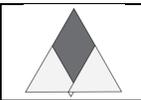
Note: The Diamond Triangle Units will be trimmed depending on their placement and construction in the Block; however, first we must get organized.

TIME TO GET ORGANIZED & TRIM

17. **Organize** the units according to the **chart below**. Once you verify that you have the proper number of each unit, divide the units according to the chart, identifying which side of the unit will be trimmed using the instructions below. Use your placement cards and the [Wonder Clips](#) to label the units. Check out the [Blog](#) for an example of this technique.

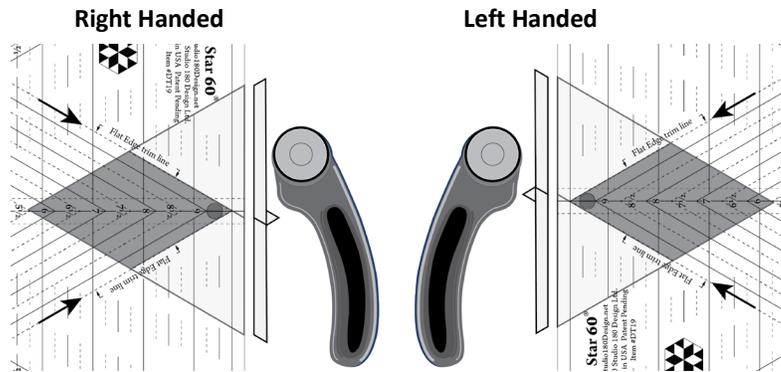
	UNIT	TOTAL	TRIM BOTTOM	TRIM TOP (L&R) POINT
A		9	9	



C		9		9
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TRIMMING THE BOTTOM

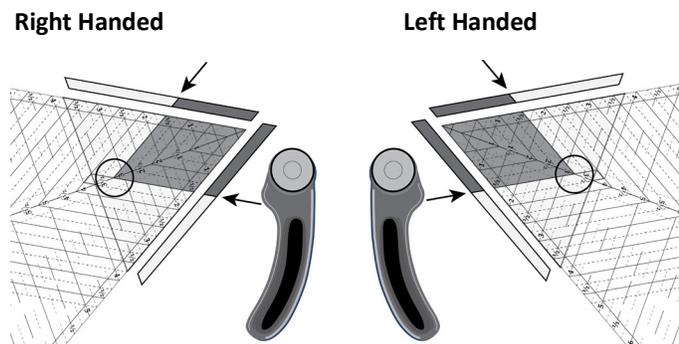
18. For all (9) of the A Units: position the bottom of the Diamond Triangle Unit on the cutting mat with the bottom facing the right for those that are right handed or the left if you are left handed. Locate and align the Flat Edge trim lines on the tool with the seams of the diamond and trim. You should be trimming about an $\frac{1}{8}$ - $\frac{1}{4}$ ".



19. Label with unit and trimmed side.

TRIMMING THE TOP POINT (LEFT & RIGHT)

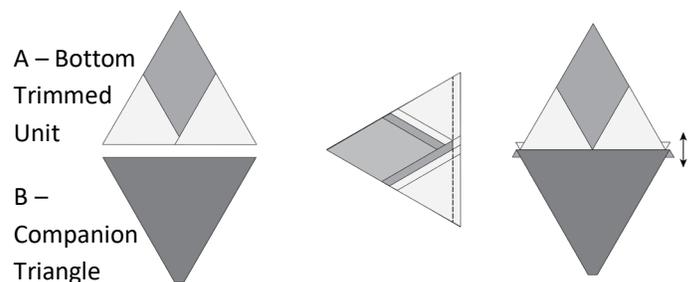
20. For all (9) of the C Units: position the Diamond Triangle Unit on the cutting mat so that for those that are right handed the top is in the 2 o'clock position or 10 o'clock position if you are left handed. Align the 3" finished size Diamond Point guidelines with the sewn seams. Trim along both sides of the tool. You should be trimming about an $\frac{1}{8}$ - $\frac{1}{4}$ " on both sides.



21. Label with unit and trimmed sides.

CONSTRUCTING BLOCKS

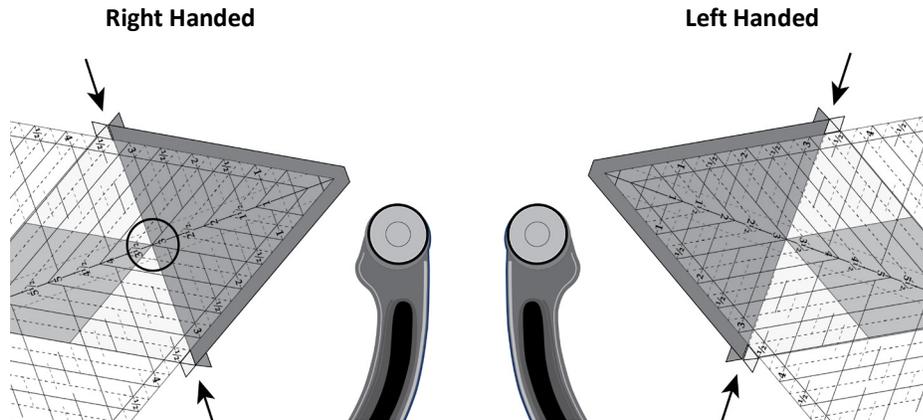
These Blocks must be constructed in a particular order. It is especially important to follow the steps in the exact order. Double check the orientation of the unit and ensure you have chosen the unit labeled with the proper cut side. Tip: When going through the construction steps, you will always be sewing trimmed sides together. If you find yourself stitching a non-trimmed side, stop and double check that you have the proper unit and that you have it oriented properly.



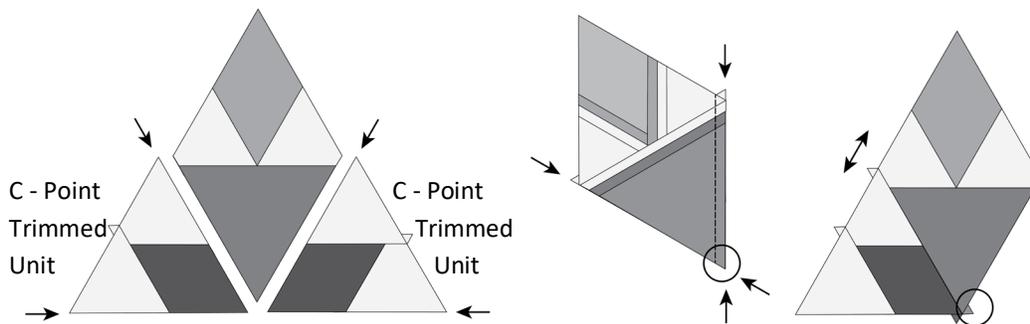
22. Gather and position the (9) A Units (Bottom trimmed) and (9) B Unit - Companion Triangles. Be careful with this orientation. The A Units should have their trimmed bottom side toward the Companion Triangles.

23. Position and stitch. Flip the A Unit onto the Companion Triangle centering the Diamond Triangle. Stitch with your best $\frac{1}{4}$ " seam allowance. Repeat for all (9) units and press the seam open.

24. **Trim** the Unit B - Companion Triangle. Position the unit on the cutting mat so that for those that are right handed the B Unit is in the 2 o'clock position or 10 o'clock position if you are left handed. **Center the Unit A Diamond point with the centerline, while aligning the seam intersection between the Unit A and Unit B with 3 1/4" guideline.** Trim both sides of the exposed B Unit.

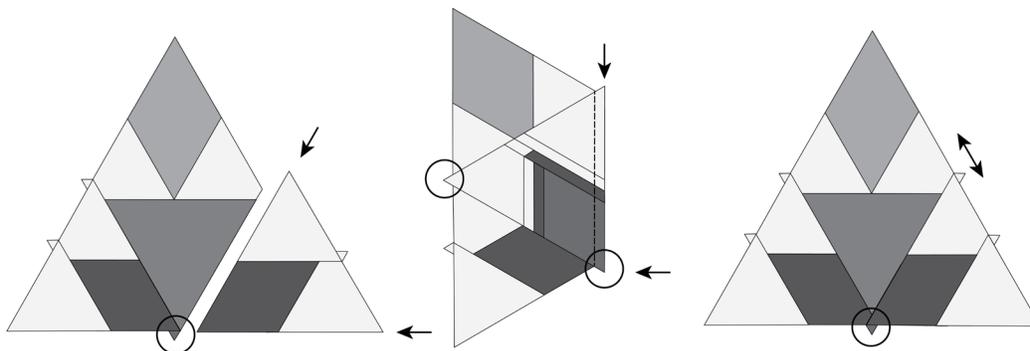


25. **Gather** (6) of the C Units (L&R Point trimmed) and layout as shown with (3) of the diamond shaped units from step 24 to make a larger Triangle. Make sure the Unit C - (L&R Point trimmed) trimmed sides are positioned towards the diamond shaped units (arrows below identify the sides that are trimmed). The untrimmed side of Unit C should be on the outside of the unit.

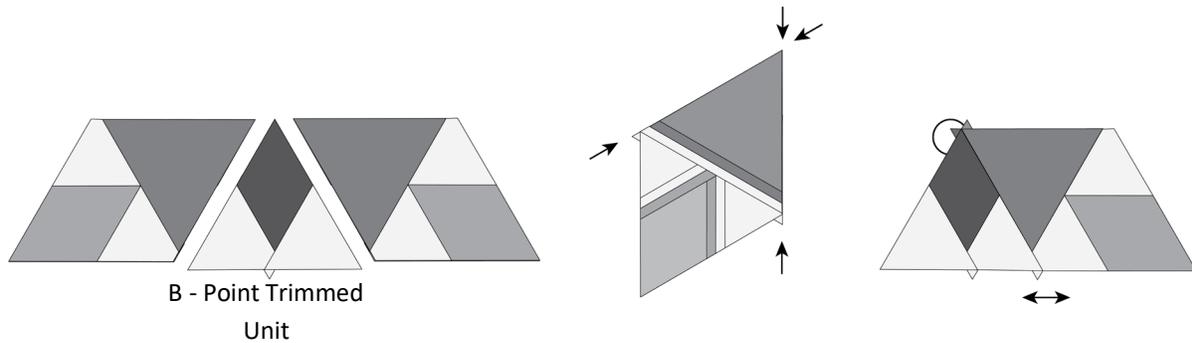


26. **Position and stitch** the three units as shown. Start by stitching the diamond shaped unit with the C Unit (L&R Point trimmed) which is on the left. Be careful and **match the diamond point and the raw edges of the trimmed triangle points.** **Stitch** with your best 1/4" seam allowance. Repeat for all units, **press** the seams open and **trim** the dog ear of just the Unit B's Medium.

27. **Position and stitch** the remaining C Unit (Point trimmed) onto the just sewn unit. Be careful to **align the raw edges of the trimmed triangles and match the diamond point.** **Note: Unit C's bottom point should align with the dog ear** of the just sewn unit. When you do this, **Unit C's top point will lay atop the other dog ear** of the unit. **Stitch** with your best 1/4" seam allowance. Repeat for all units, **press** the seams open and **trim** the dog ear. This is the Top Unit. Set aside for now.

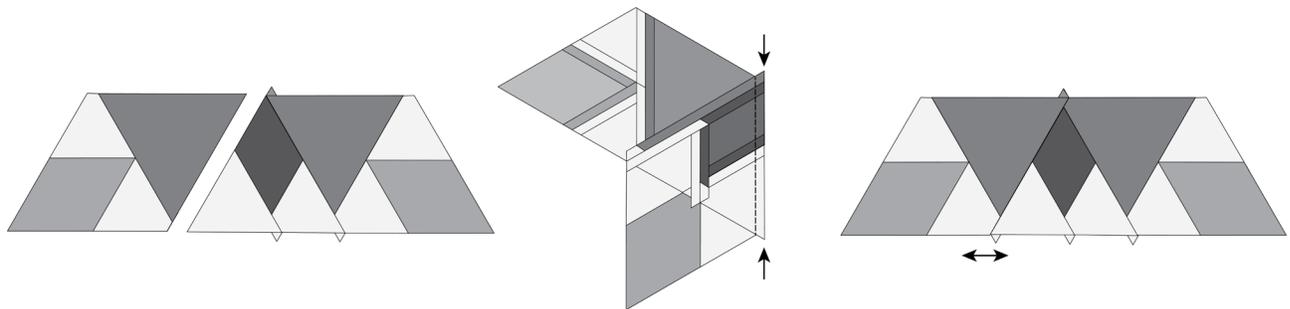


28. **Gather and position** the last (3) C Units (L&R Point trimmed) with the remaining (6) diamond shaped units created in step 24.

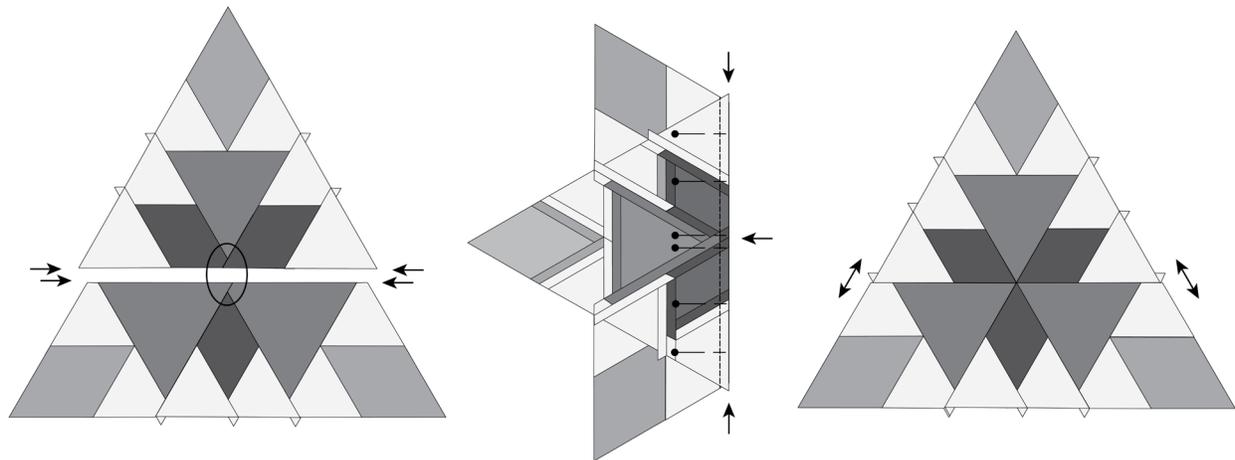


29. **Stitch 3 units together** as shown. Start by stitching the right diamond shaped unit with the individual C Unit (L&R Point Trimmed). Carefully **match the diamond point and the raw edges of the trimmed triangle points**. **Stitch** with your best $\frac{1}{4}$ " seam allowance. Repeat for all units. **Press** the seams open and **trim** the dog ear of Unit C's Med Dark.

30. **Position and stitch** the just sewn unit onto the remaining diamond shaped unit. Be careful to **match the diamond point, aligning the raw edges of the trimmed triangles**. **Unit B's dog ear will lay atop the other unit's diamond point**. **Stitch** with your best $\frac{1}{4}$ " seam allowance. Repeat for all units. **Press** the seams open and **trim** the dog ear. These are the Bottom Units.

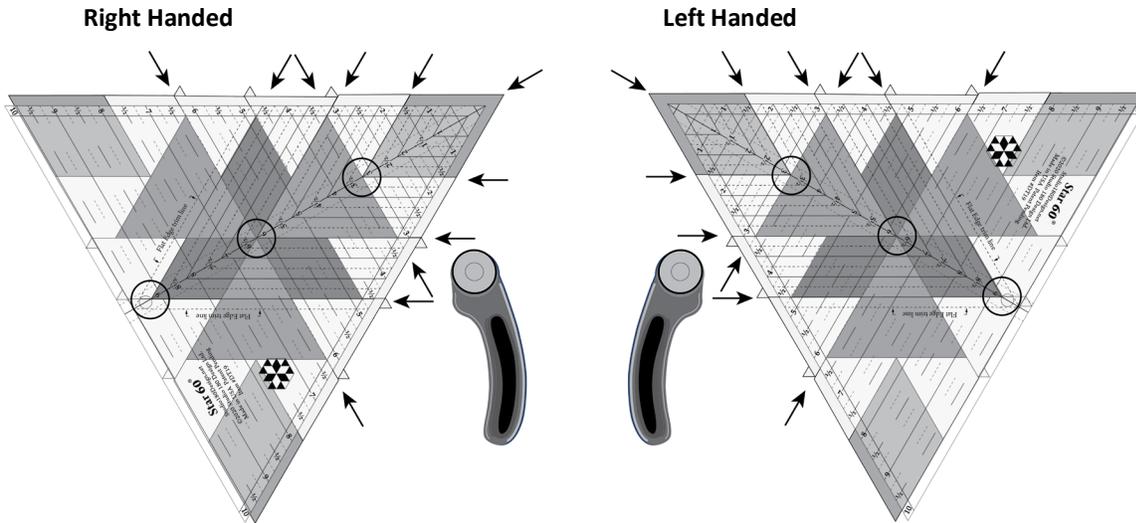


31. **Gather** the Top Units from step 27 and the Bottom Units that were just sewn.



32. **Position and stitch**. Be careful to **align the two diamond point seam intersections as well as the raw edges of the trimmed triangles**. **Stitch** with your best $\frac{1}{4}$ " seam allowance. Repeat for all units. **Press** the seams open.

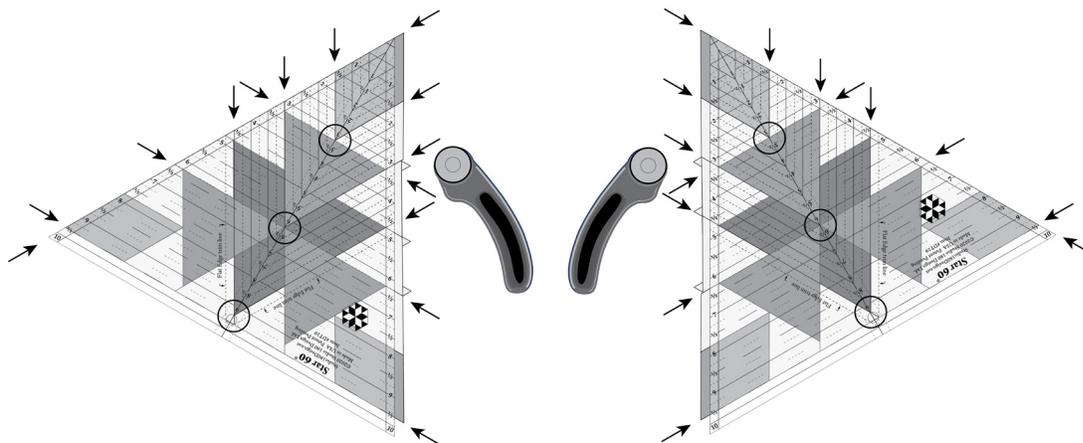
33. **Trim the blocks.** Position the block on the cutting mat so that the top point is away from you and the bottom side near you. It helps to turn it slightly to 2 o'clock position if you are right handed and to 10 o'clock position if you are left handed. **Align the 3", 6", and 9" Diamond Point guidelines with the seams of the A Unit at the top of the block as well as the B Unit and C Unit. The 3 1/4" and 6 1/4" horizontal guidelines will align with seams as well. Trim on both sides of the Block.**



34. **Rotate** the block counter-clockwise for right handed, or clockwise for left handed exposing the untrimmed edge. For those that are right handed, line up the previously trimmed **edges of the block, one with the left edge of the Star 60 tool and the other with the 9 1/2" guideline.** For those that are left handed, line up the previously trimmed **edges of the block, one with the right edge of the Star 60 tool and the other with the 9 1/2" guideline.** Note: All the same seam intersections, stated in step 33, will line up as well. **Trim** the remaining side.

Right Handed

Left Handed



35. **Tada! You made it.** Be sure to post your photos in the [Best of the 60's Facebook Group](#).

ADDITIONAL WORK

36. Label and **go onto the "Group 7" Construction Instructions.** Those instructions are available as a download in your Clue repository (Clue only members) or in your curriculum (Clue and Class members), filed below this Clue.

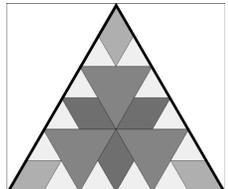
Please follow the important instructions. In order to make the best use of your fabric, you need to follow these instructions.

IMPORTANT INSTRUCTIONS

- ❑ Place the Background Remnant Strips in your storage bag marked "Background scraps". You can use these strips for any block going forward that may require a strip of that same height. Do not cut them down to a different height.
- ❑ For each of the remaining fat quarters used in this clue and fat quarter remnant strips, keep these and place them in your storage bag marked "Fat Quarter scraps".

CLUE #19 RECAP

- ❑ **Song Trivia – *Ain't No Mountain High Enough***, 1966, recorded by Marvin Gaye and Tammi Terrell, written by Nickolas Ashford & Valerie Simpson in 1966 for the Tamla label, a division of Motown. The composition was first successful as a 1967 hit single recorded by Marvin Gaye and Tammi Terrell and then became a hit again in 1970 when recorded by former Supremes frontwoman, Diana Ross. The original 1967 version of *Ain't No Mountain High Enough* peaked at number nineteen on the Billboard pop charts, but went to number three on the R&B charts. The 1970 Diana Ross version of the song became Ross's first solo number-one hit on the Billboard Hot 100 chart and she was nominated for a Grammy Award.
- ❑ **Personal Note:** I grew up listening to the Diana Ross version, but when I heard this version by Marvin Gaye and Tammi Terrell, I loved it just as much.
- ❑ [Link to Video](#)

CLUE	BLOCK NAME	GRAYSCALE VERSION	UNIT CUT HEIGHT SIZE	UNIT FINISH HEIGHT SIZE	# OF BLOCKS
#19	AIN'T NO MOUNTAIN HIGH ENOUGH		9 ½"	9"	3