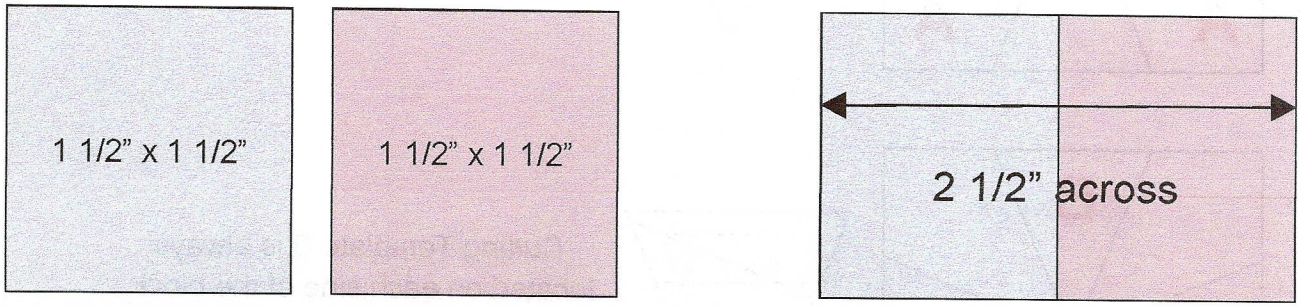
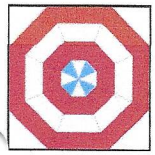
Glorious Kaleidoscopes!

Class Guide

Seam Allowance

Make sure you have a scant 1/4" seam allowance by sewing (2) 1 1/2" x 1 1/2" squares together. Finger press the seam to one side and then measure across.





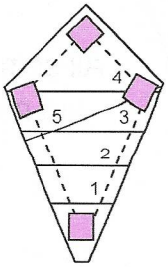
Why?

When you are making Spider-web Kaleidoscopes, it's very important that your seam allowance is correct because you must nestle seams. If the seam allowances are incorrect, you will not be able to match seams from unit to unit.

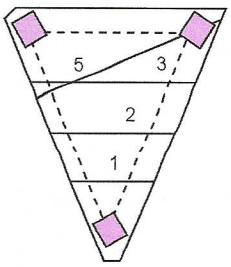
When making a basic kaleidoscope block, your seam allowance is not as critical and so you just want to make sure that it's consistent so that all your blocks will end up the same size.

Prepare Your Rulers

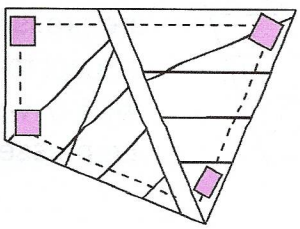
Cut small pieces of Traction Tape from your folder and then peel and stick on the underneath side of all three acrylic rulers (represented in pink). Look at the laser etched numbers on Cutting Template A & B. If they are right side up, then place the Traction Tape on the other side (numbers will be backwards). Place Traction Tape on the grooved side of Grooved Ruler G.



Cutting Template A

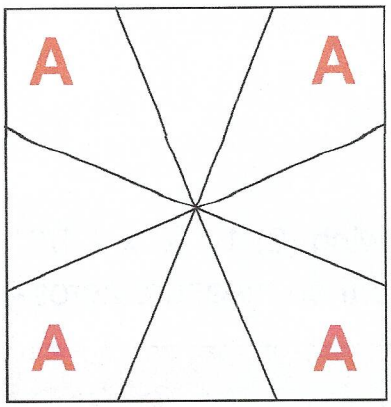


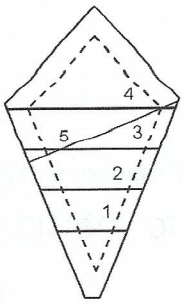
Cutting Template B



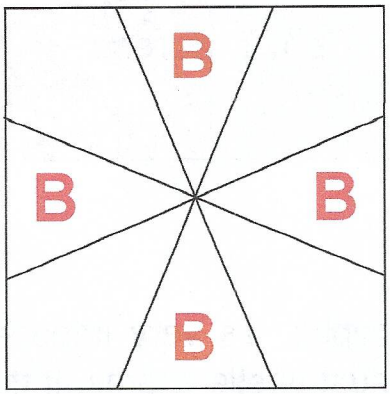
Grooved Ruler G

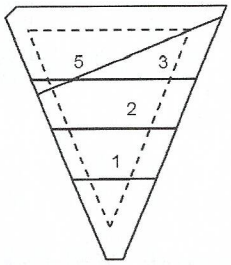
Cutting Template Position in Blocks





Cutting Template A is always located in each corner of the block.





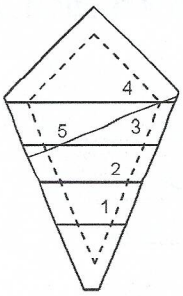
Cutting Template B is always located on each side of the block.

Cutting Shapes A & B for Kaleidoscope Blocks

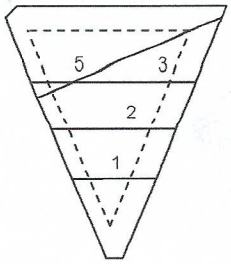
The Cutting Templates A & B are directional! All strips, whether basic strips or strip sets MUST BE RIGHT SIDE UP before cutting shapes.

You can stack multiple strips at once but then open up the strips and layer them all right side up, making sure the cut edges are even before cutting out the shapes.

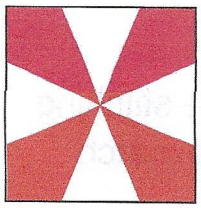
For all types of Spider-web blocks, the strip sets are made first and the seams are pressed in very specific directions.



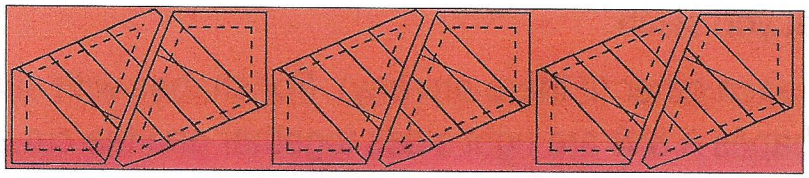
All strip set seams are pressed down, except for seams #4 & 5, which can be pressed open.

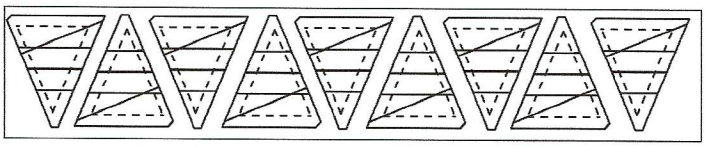


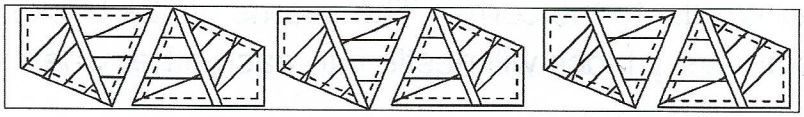
All strip set seams are pressed up.

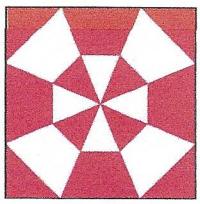


Basic Kaleidoscope strips can be opened up & stacked in multiples (all right side up) and you can cut many shapes at one time. You can also use the "stack & whack" technique so that the fabric is "kaleidoscoped".





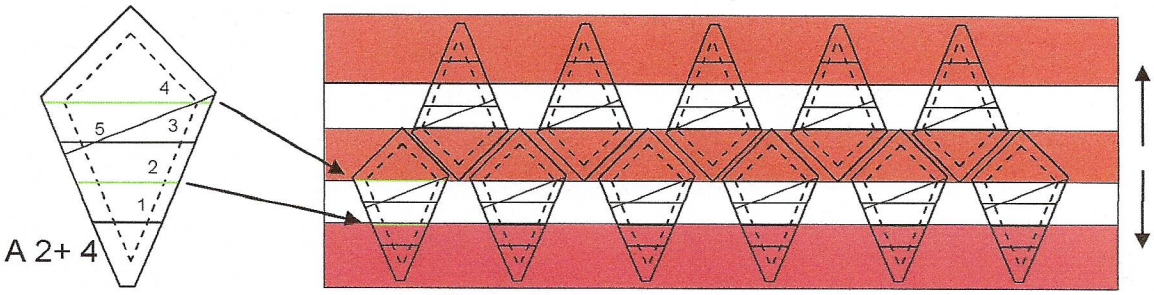


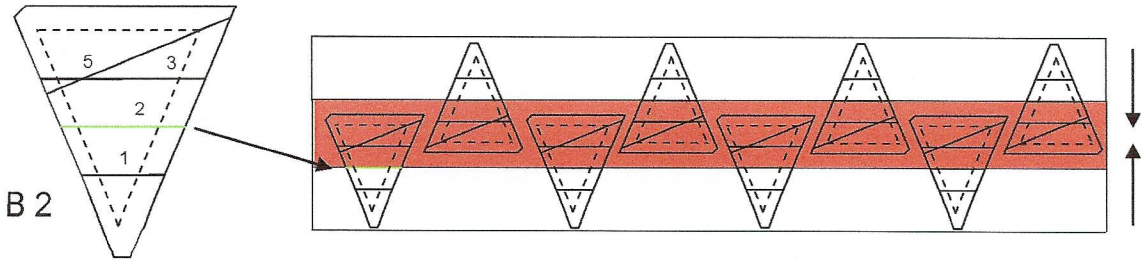


All types of Spider-web block strip sets are always right side up but you cannot cut multiple shapes at one time.

Blocks are named by the lines used on the cutting templates. For example, the block shown left is made by lining up Cutting Template A with lines 2 & 4 placed on the strip set seams.

A 2 & 4 + B2





Stitching Shapes A & B

Regardless of the type of block you are making, every single time you are stitching with A on the bottom and B on the top. They are made so that the shapes match along the edge that you stitch.

Nestle seams into each other (if there are any). For shapes with seams, pinning is a very good idea. Shapes A & B are right sides together and the cut edges are even. Stitch together.

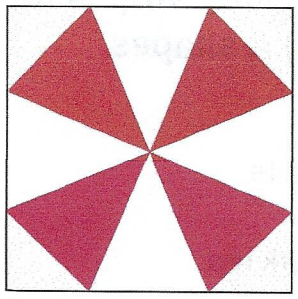
Pressing AB Pairs

Regardless of the type of block you are making, every single time you are pressing toward A, or in other words, to the corner. The seams on the back must spiral and because of this spiral, every block will nestle into each other when sewing them into your quilt top.

Bloc Loc ®

Glorious Kaleidoscopes!

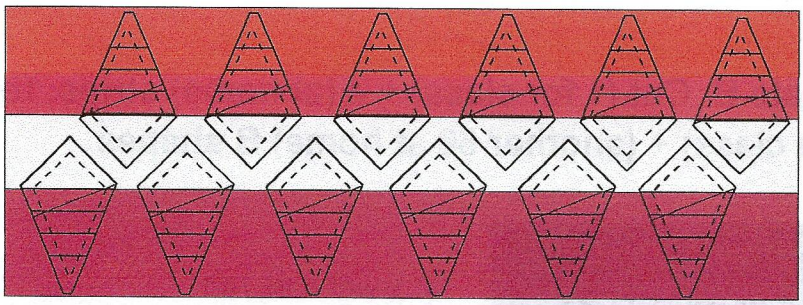
Class Project using 6" KAL Ruler Set



Make 18
"light" blocks

Light Blocks

Strip Set for Cutting Template A Make (1 for class) + 3 (at home) strip sets; then cut (22 A shapes in class) + (another 50 at home) A shapes

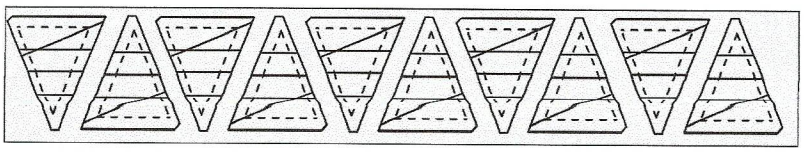


4 1/4" x wof light red

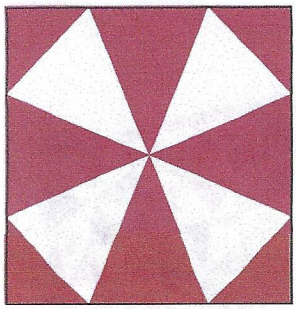
2 1/2" x wof cream

4 1/4" x wof light red

Strip Set for Cutting Template B Cut (1 for class) + 4 (at home) strips; then cut (16 B shapes in class) + (another 56 at home) B shapes



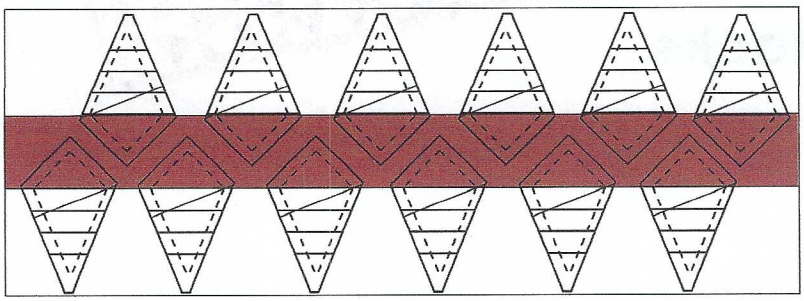
4" x wof white



Make 18 "dark" blocks

Dark Blocks

Strip Set for Cutting Template A Make (1 for class) + 3 (at home) strip sets; then cut (22 A shapes in class) + (another 50 at home) A shapes

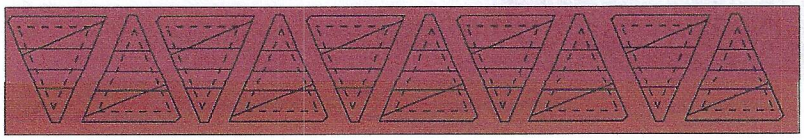


4 1/4" x wof white

2 1/2" x wof dark red

4 1/4" x wof white

Strip Set for Cutting Template B Cut (1 for class) + 4 (at home) strips; then cut (16 B shapes in class) + (another 56 at home) B shapes

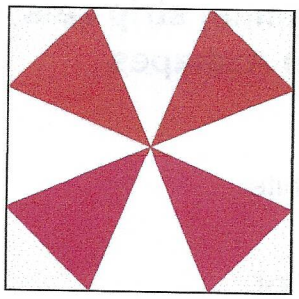


4" x wof dark red

Bloc Loc ®

Glorious Kaleidoscopes!

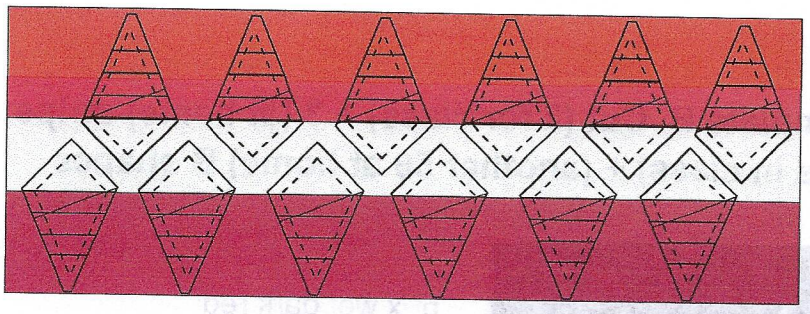
Class Project using 8" KAL Ruler Set



Make 18
"light" blocks

Light Blocks

Strip Set for Cutting Template A Make (2 for class) + 5 (at home) strip sets; then cut (16 A shapes in class) + (another 56 at home) A shapes

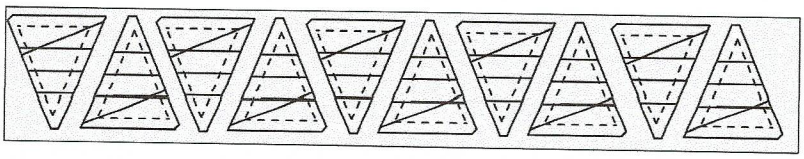


5 1/4" x wof light red

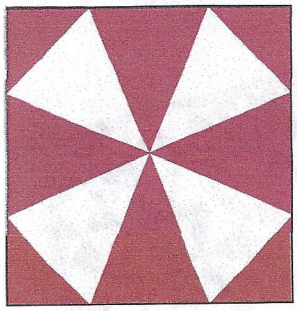
3" x wof cream

5 1/4" x wof light red

Strip Set for Cutting Template B Cut (2 for class) + 3 (at home) strips; then cut (16 B shapes in class) + (another 56 at home) B shapes



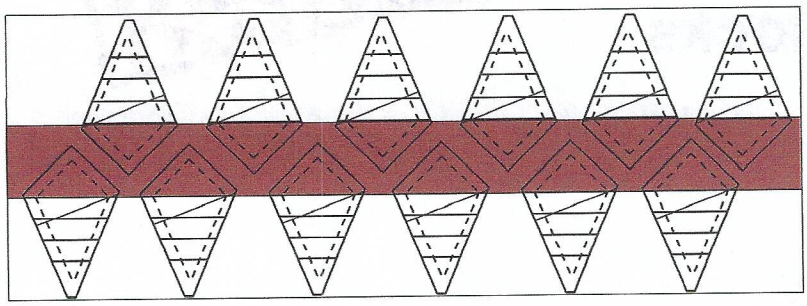
5" x wof white



Make 18 "dark" blocks

Dark Blocks

Strip Set for Cutting Template A Make (2 for class) + 5 (at home) strip sets; then cut (16 A shapes in class) + (another 56 at home) A shapes

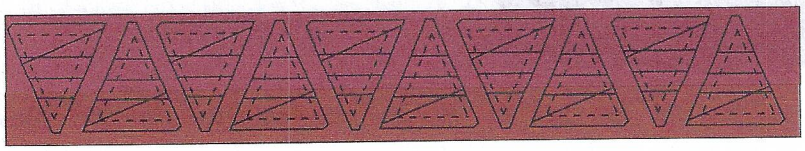


5 1/4" x wof white

3" x wof dark red

5 1/4" x wof white

Strip Set for Cutting Template B Cut (2 for class) + 3 (at home) strips; then cut (16 B shapes in class) + (another 56 at home) B shapes



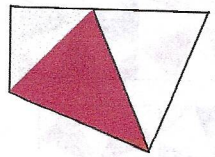
5" x wof dark red

AB Pairs

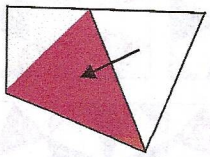
Arrange all A & B shapes as follows: Place the A shape right side up and B shape upside down and on top of A. They must be right sides together and the cut edges even.

Stitch the A & B shapes into pairs. Press the seams toward the A shapes.

Lock onto the seam using the grooved ruler and align ruler line #4 to the diagonal seam. Trim all the way around, making sure you have a sharp point at the center.

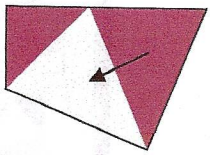


Center of block



AB Pair

Make 16 pairs



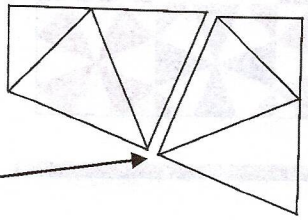
AB Pair

Make 16 pairs

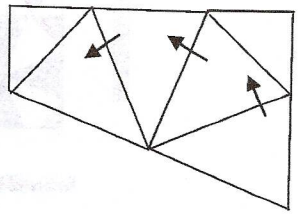
Join the AB Pairs into Pairs (half block)

To match two pairs together, nestle the seams from each pair (they should be pressed so they can lock into each other) and pin to hold them in place. Stitch.

Make sure the seams are tightly nestled into each other at the block center!

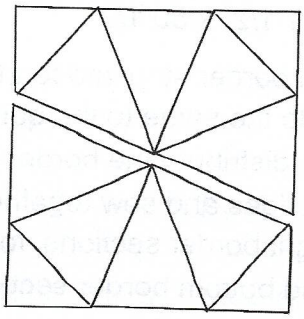


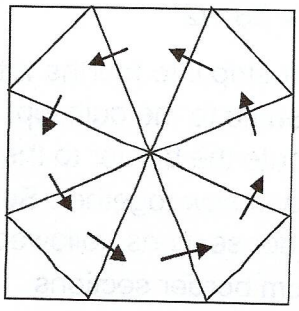
Press seams toward the corner and spiraling.



Join Two Half Blocks Together

To match two half blocks together, nestle the seams from each (they should be spiraling) and pin to hold them in place. Stitch. Trim dog ears.

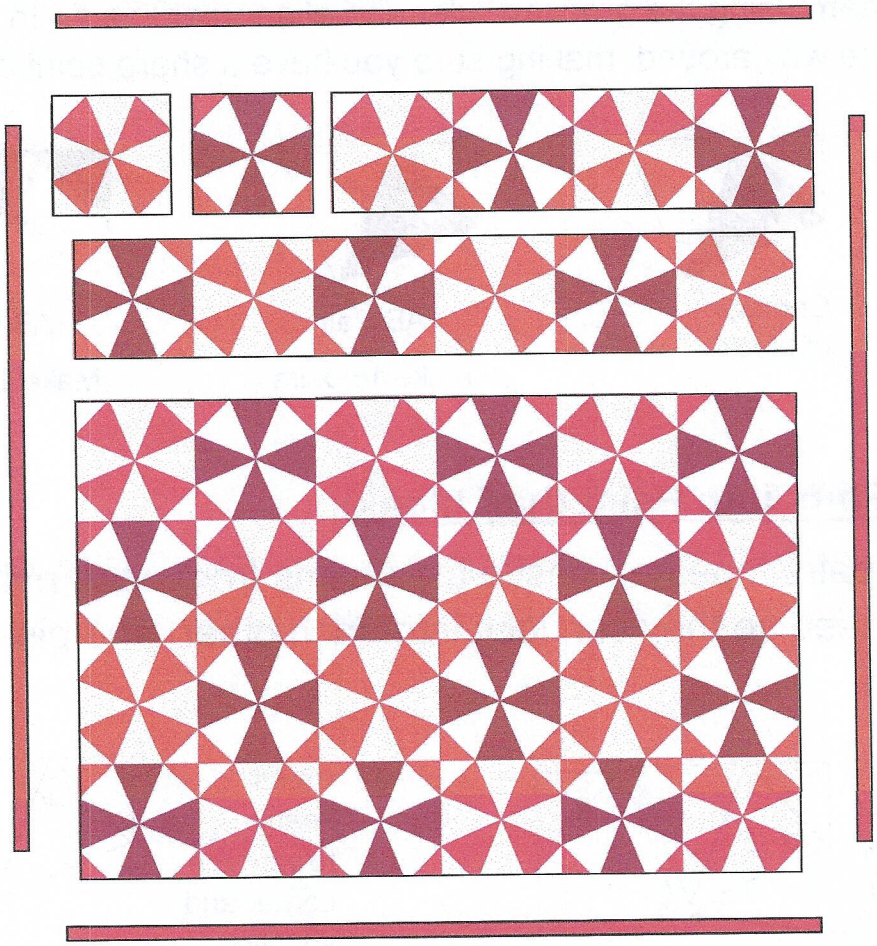




Quilt Assembly

Join the blocks into rows. Because the seams are spiraling, ALL seams will nestle into each other, making the process of joining blocks and rows a smooth and enjoyable experience.

Every row should be pressed in opposite directions.



Project size using 6" KAL blocks:

38 1/2" x 38 1/2"

Project size using 8" KAL blocks:

50 1/2" x 50 1/2"

Borders for project made with 6" KAL blocks

Cut (4) 1 1/2" x wof red and join together using diagonal seams. Cut into the following sections:

L & R: (2) 1 1/2" x 36 1/2"

T & B: (2) 1 1/2" x 38 1/2"

Mark each border strip into fourths with a pins and do the same to the quilt top. Match the pins to distribute the border to the quilt. Align cut edges and sew together. Sew the left and right border sections, followed by the top and bottom border sections.

Borders for project made with 8" KAL blocks

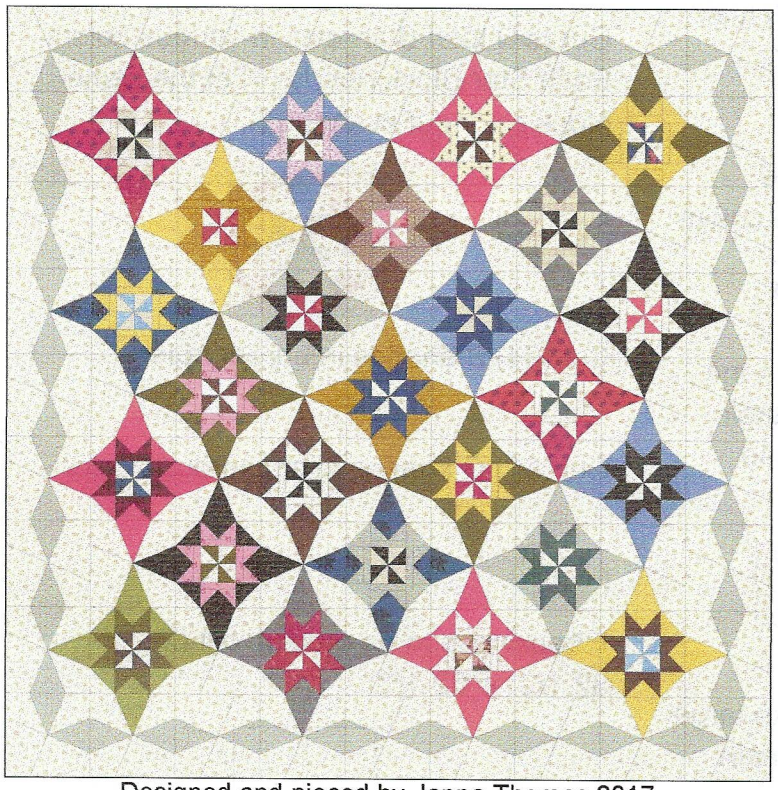
Cut (6) 1 1/2" x wof red and join together using diagonal seams. Cut into the following sections:

L & R: (2) 1 1/2" x 48 1/2"

T & B: (2) 1 1/2" x 50 1/2"

Mark each border strip into fourths with a pins and do the same to the quilt top. Match the pins to distribute the border to the quilt. Align cut edges and sew together. Sew the left and right border sections, followed by the top and bottom border sections.

Star Kaleidoscope



Designed and pieced by Janna Thomas 2017

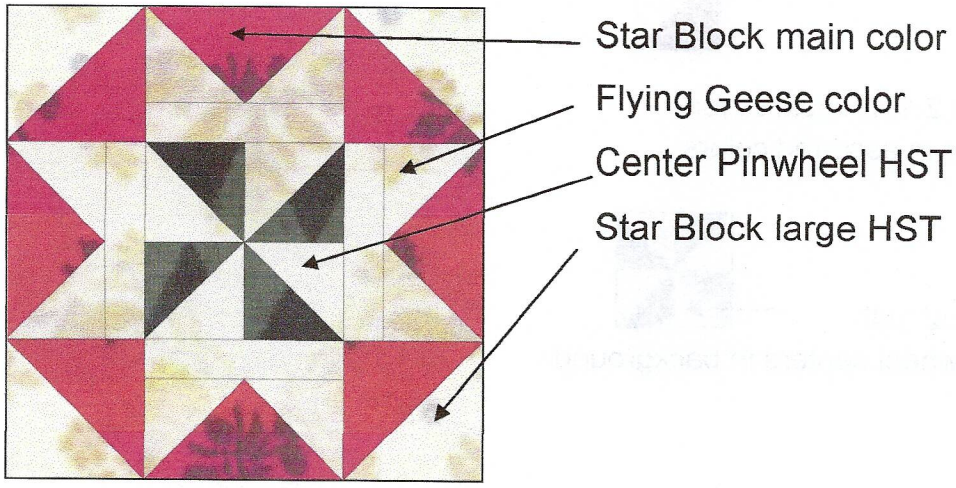
Quilted by Susan Santistevan of Modern Prairie Quilting

Finished Size: 54" x 54
Skill Level: Advanced
Block Size: 6"
Rulers: Bloc Loc 6" Kaleidoscope Ruler Set, Bloc Loc Flying Geese 1 1/4" x 2 1/2", Bloc Loc Half-Square Triangle Ruler 2 1/2" or larger.
Total number of blocks: 81

Fabric Requirements

3 YD background
2 YD *total* color for star blocks and all alternate blocks
1 YD *total* for all flying geese units
1/2 YD for grey border
3 1/2 YD backing fabric or 62 1/2" x 62 1/2" whole piece

Twin size batting
1/2 YD binding



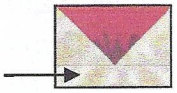
Star Block

Cutting Requirements

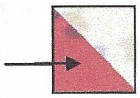
Cut (25) 4" x 4" *total* star block main color. Project shows many different star block main colors. 4" x 4" will go here.

Cut (100) 2 3/8" x 2 3/8" squares for the points on all flying geese. Flying geese colors can vary as well.

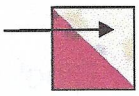
Cut (100) 1" x 3" rectangles to complete the flying geese compound unit. This rectangle should be same color as the flying geese points.



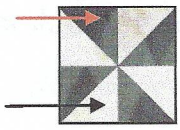
Cut (50) 2 3/4" x 2 3/4" squares to make large half-square triangles in the star block main color.



Cut (50) 2 3/4" x 2 3/4" squares to make half square triangles in the background color.



Cut (50) 2 1/4" x 2 1/4" squares for pinwheel centers in assorted colors.



Cut (50) 2 1/4" x 2 1/4" squares for pinwheel centers in background fabric.

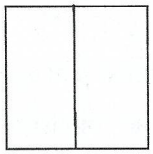
Cut (180) A shapes in background color

Cut (84) total B shapes in various colors. Each Star Block needs (4) of the same block color cut in shape B.

Cut (64) B shapes in border color.

Cut (60) G shapes in background color.

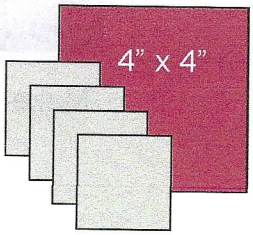
If backing is to be pieced, cut (2) 32 1/2" x 62 1/2".



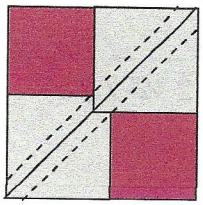
Cut (6) up to 2 1/4" (whatever width binding you prefer).

1. Build Compound Flying Geese Units

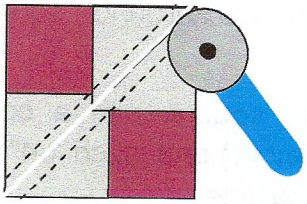
Build (100) Flying Geese units using the No Waste Method.



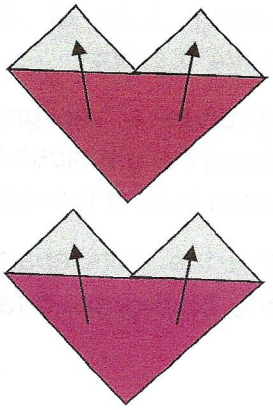
1 Draw a line diagonally on the wrong side of each 2 3/8' x 2 3/8" squares.

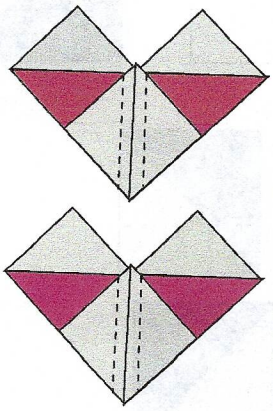


2. Overlap small squares and stitch.

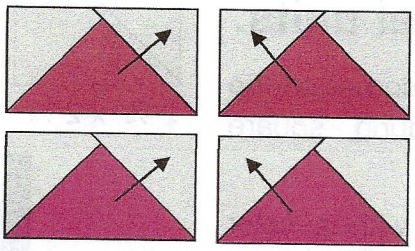


3. Cut apart and press triangles as shown.



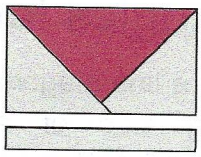


4. Add remaining squares & stitch.



5. Press remaining triangles toward the outside of the unit.

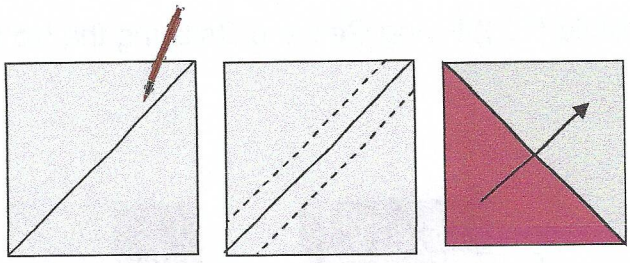
Lock onto the seams with the Bloc Loc Flying Geese Ruler, 1 1/4" x 2 1/2".



Make 100

6. Sew a 1" x 3" rectangle to the flying geese as shown. Press the seam toward the rectangle.

2. Build Large Half Square Triangles



2 ¾" x 2 ¾"

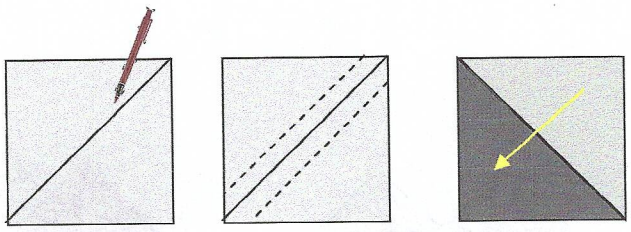
Make 100

Draw a line diagonally corner to corner on the wrong side of each background square 2 3/4" x 2 3/4".

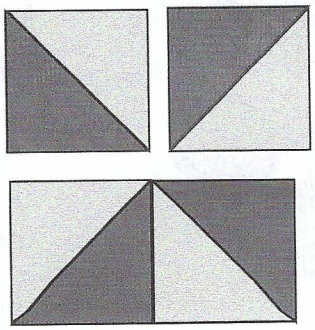
Arrange a background square with a color square (right sides together) and stitch 1/4" on each side of the diagonal line.

Cut the units apart. Press the seam toward the background fabric.

3. Build Small Half Square Triangles for Pinwheel units.



2 ¼" x 2 ¼"



Make 25

Draw a line diagonally corner to corner on the wrong side of each background square 2 1/4" x 2 1/4".

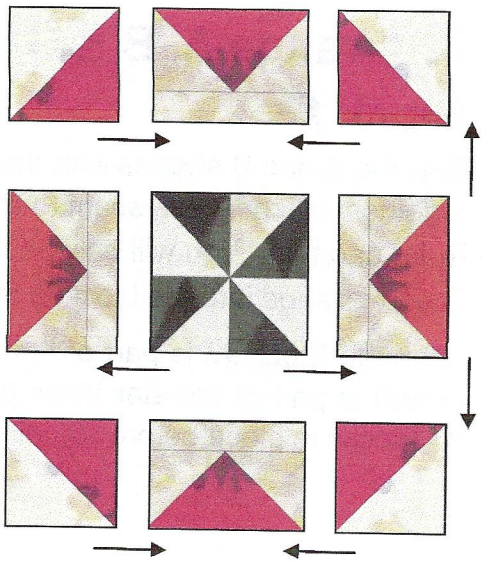
Arrange a background square with a color square (right sides together) and stitch 1/4" on each side of the diagonal line.

Cut the units apart. Press the seam toward the colored fabric.

Square up to 1 3/4" x 1 3/4" using your Bloc Loc HST ruler.

Arrange (4) of these smaller HSTs into a Pinwheel unit as shown right. Stitch them into pairs and the pairs into the four patch Pinwheel.

4. Arrange the Flying Geese Units, Large HST Units and Pinwheel. Make the block.



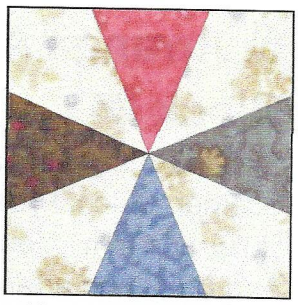
Make 25

Sew the units into rows. Press the seams in the direction indicated.

Sew the rows together. Press the seams in the direction indicated.

Make all (25) Star blocks first and then arrange according to your preferences.

5. Arrange A & B shapes into Alternate Block #1.



Alternate Block #1

Make 12

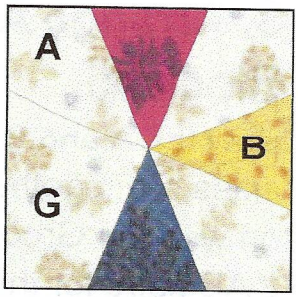
Sew the A and B shapes with the B on top of A and right sides are together. Stitch. Press seam to the A shape. Lock on with the Grooved Ruler and trim.

By now, your star blocks should be arranged somewhere so that you can begin to fill with the Alternate Block #1. Arrange the AB pairs so they surround the Star Blocks. This will help you know in which order they are sewn.

Once you have all the Alternate #1 Blocks (still in AB pairs) ready, you can sew them together. Press all seams toward the A shape, so the seams spiral on the wrong side.

Place the Alternate #1 Blocks back into their original position with their Star Blocks.

6. Arrange A, B & G shapes into Alternate Block #2.



Alternate Block #2

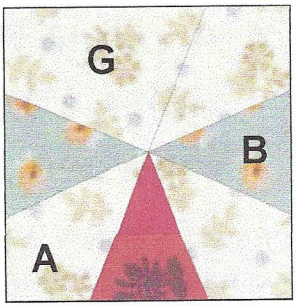
Make 12

Sew the A and B shapes with the B on top of A and right sides are together. Stitch. Press seam to the A shape. Lock on with the Grooved Ruler and trim. You will only be making 3 pairs for this kind of block. Add G and arrange into the block to the right.

Just like Alternate Block #1, the colors are specific as to their placement in the block. Arrange the AB pairs and the G shape into their position within the quilt.

Once you have all 12 blocks arranged in position, they can be sewn together.

7. Arrange A, B & G shapes into Alternate Block #3.

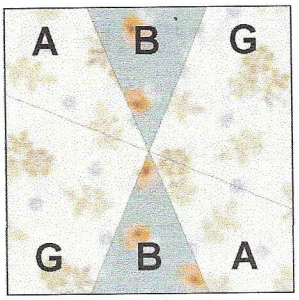


Alternate Block #3
Make 16

Sew the A and B shapes with the B on top of A and right sides are together. Stitch. Press seam to the A shape. Lock on with the Grooved Ruler and trim. You will only be making 3 pairs for this kind of block. Add G and arrange into the block to the right.

Alternate Block #3 is part of the outside border and the color (shown here in red) is part of the star block pattern. Again, arrange all of the Alternate #3 Blocks in place before stitching them into blocks.

8. Arrange A, B & G shapes into Alternate Block #4.

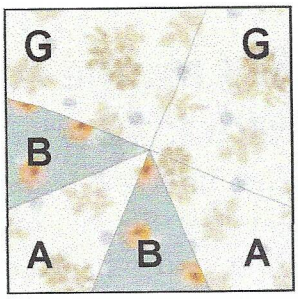


Alternate Block #4
Make 12

Sew the A and B shapes with the B on top of A and right sides are ogether. Stitch. Press seam to the A shape. Lock on with the Grooved Ruler and trim. You will only be making 2 AB pairs for this kind of block. Add (2) G and arrange into the block to the right.

Alternate Block #4 is main art of the outside border. Arrange one of these blocks in between Alternate Block #3.

9. Arrange A, B & G shapes into Alternate Block #5.



Alternate Block
Make 4

Sew the A and B shapes with the B on top of A and right sides are together. Stitch. Press seam to the A shape. Lock on with the Grooved Ruler and trim. You will only be making 2 AB pairs for this kind of block. Add (2) G and arrange into the block to the right.

Alternate Block #5 is the cornerstone block.

Quilt Assembly Diagram

Arrange all of the Star Blocks and Alternate Blocks into the design below. Because of the way the diagonal block seams are pressed, they should nestle neatly into each other.

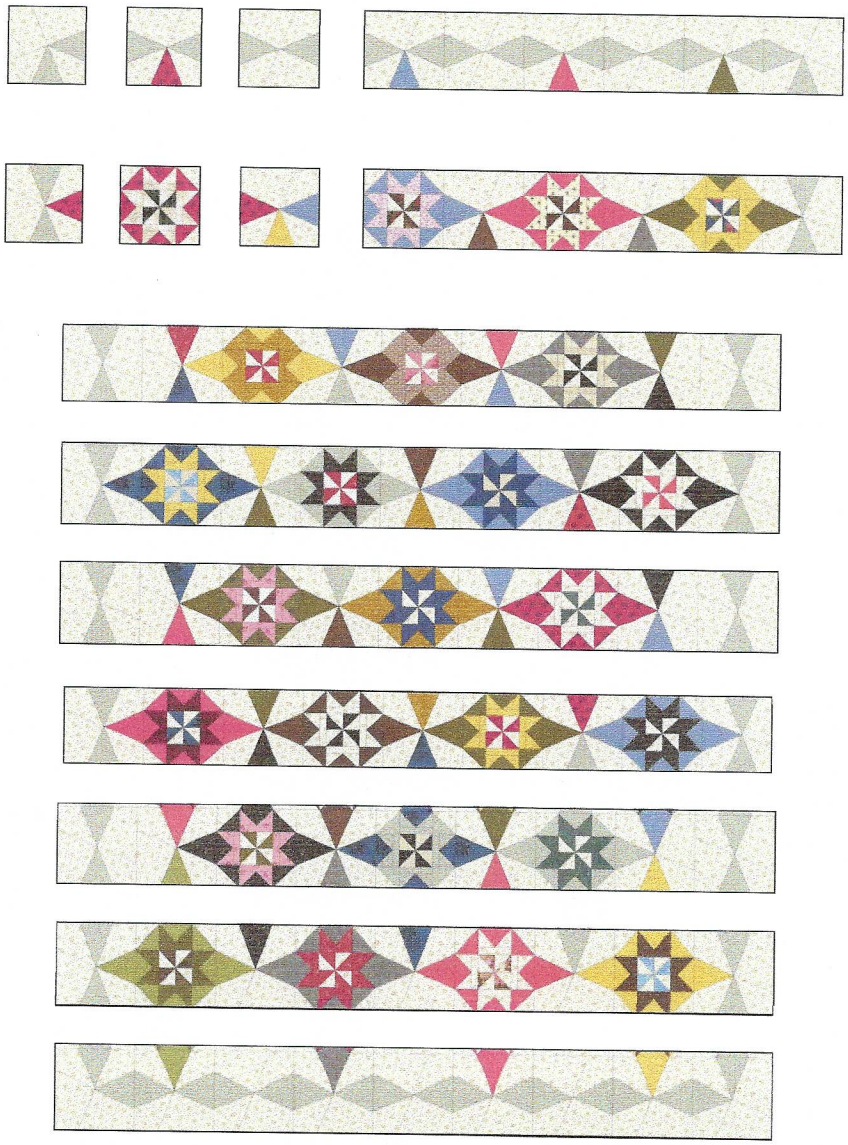
Press the vertical block seams away from the Star Blocks.

Press the row seams either open or to one side.

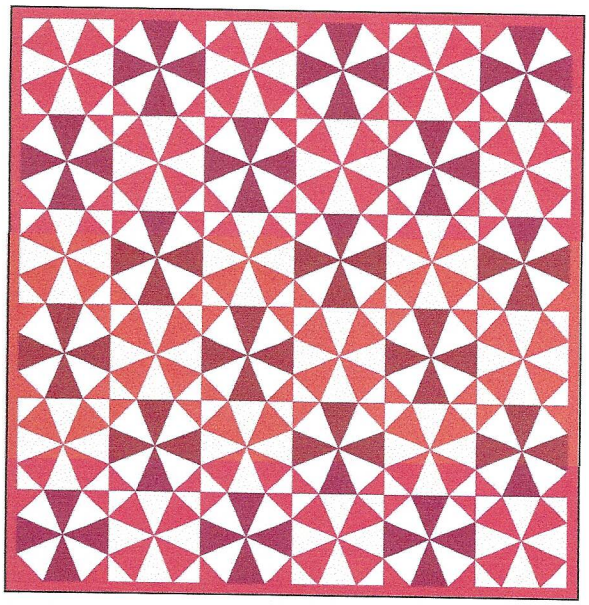
Quilt as desired.

Sew the binding strips together using diagonal seams and press the seams open. Fold the binding in half and sew to your quilt.

Wrap the binding to the wrong side. Stitch in place either by hand or machine.



Glorious Kaleidoscopes!



Bloc Loc

8" Kaleidoscope Ruler Set

Quilt Size	White	Cream	Lt. Red	Dk. Red	Grid size
Wall-hanging or table -topper 50" x 50"	1 3/8 YD	1 3/8 YD	1 7/8 YD	1 7/8 YD	6 x 6
Twin 74" x 90"	2 1/2 YD	2 1/2 YD	3 3/8 YD	2 YD	9 x 11
Double 90" x 90"	2 7/8 YD	2 7/8 YD	3 7/8 YD	2 1/2 YD	11 x 11
Queen 98" x 98"	3 3/8 YD	3 3/8 YD	4 1/2 YD	2 3/4 YD	12 x 12
King 106" x 106"	3 7/8 YD	3 7/8 YD	5 1/8 YD	3 1/8 YD	13 x 13

Bloc Loc

6" Kaleidoscope Ruler Set

Quilt Size	White	Cream	Lt. Red	Dk. Red	Grid size
Wall-hanging or table -topper 50" x 50"	1 1/2 YD	1 1/2 YD	2 YD	1 1/2 YD	8 x 8
Twin 74" x 92"	2 7/8 YD	2 7/8 YD	3 3/3 YD	2 1/2 YD	12 x 15
Double 86" x 92"	3 1/4 YD	3 1/4 YD	4 1/4 YD	2 3/4 YD	14 x 15
Queen 98" x 98"	3 7/8 YD	3 7/8 YD	5 YD	3 1/8 YD	16 x 16
King 104" x 104"	4 1/4 YD	4 1/4 YD	5 1/2 YD	3 1/2 YD	17 x 17

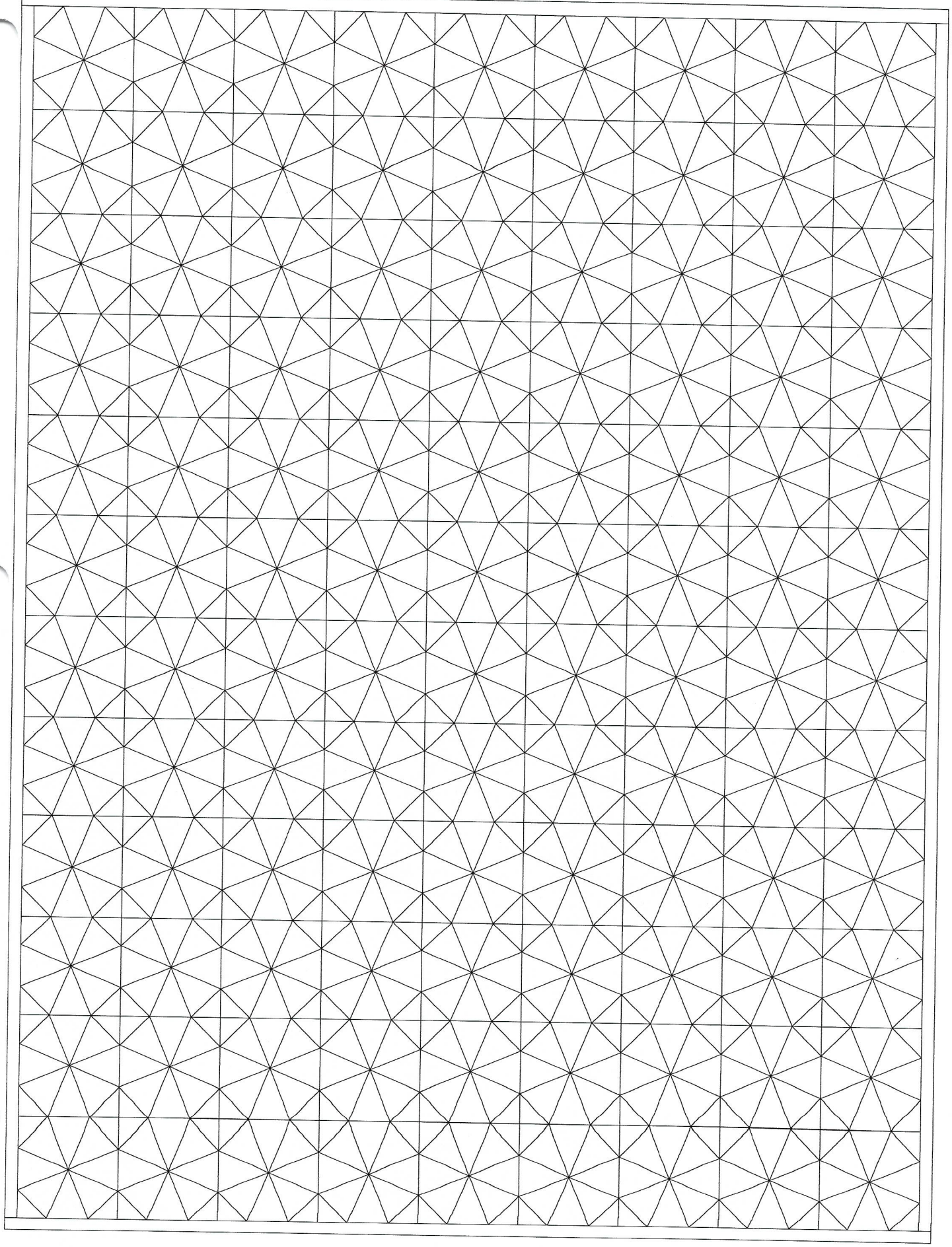
Bloc Loc

4" Kaleidoscope Ruler Set

Quilt Size	White	Cream	Lt. Red	Dk. Red	Grid size
Wall-hanging or table -topper 50" x 50"	1 5/8 YD	1 5/8 YD	2 1/8 YD	1 3/8 YD	12 x 12
Twin 74" x 94"	3 1/2 YD	3 1/2 YD	4 1/2YD	2 7/8 YD	18 x 23
Double 94" x 94"	4 1/8 YD	4 1/8 YD	5 1/4 YD	3 1/4 YD	22 x 23
Queen 98" x 98"	4 5/8 YD	4 5/8 YD	6 YD	3 3/4 YD	24 x 24
King 106" x 106"	5 1/4 YD	5 1/4 YD	6 7/8 YD	4 1/4 YD	26 x 26

Blank Kaleidoscope 8" blocks

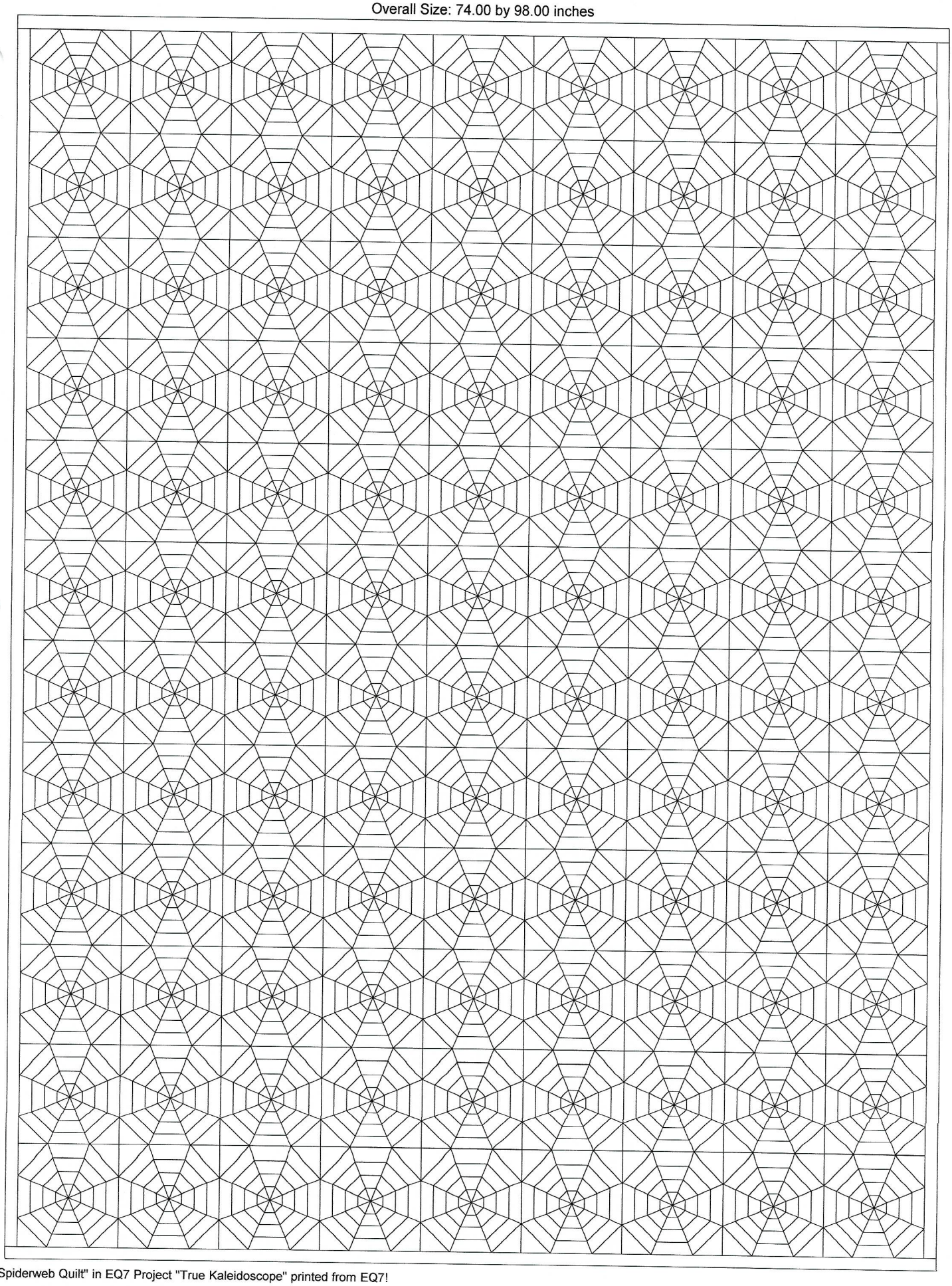
Overall Size: 74.00 by 98.00 inches



Quilt "Blank Kaleidoscope 8" blocks" in EQ7 Project "True Kaleidoscope" printed from EQ7!

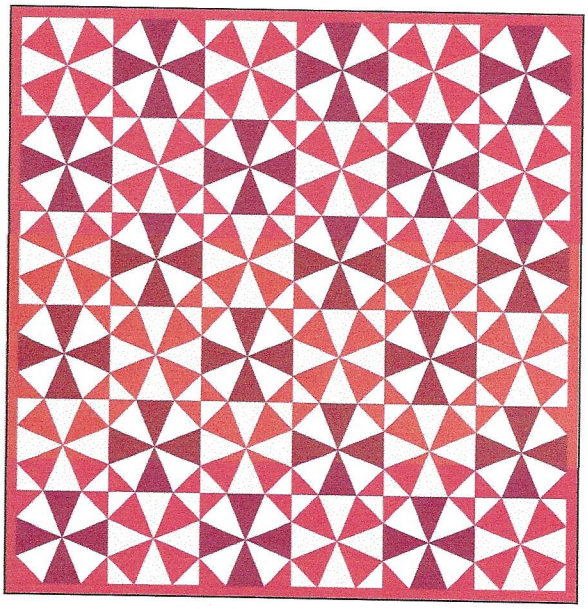
Spiderweb Quilt

Overall Size: 74.00 by 98.00 inches



Quilt "Spiderweb Quilt" in EQ7 Project "True Kaleidoscope" printed from EQ7!

Glorious Kaleidoscopes!



Bloc Loc

8" Kaleidoscope Ruler Set

Quilt Size	White	Cream	Lt. Red	Dk. Red	Grid size
Wall-hanging or table -topper 50" x 50"	1 3/8 YD	1 3/8 YD	1 7/8 YD	1 7/8 YD	6 x 6
Twin 74" x 90"	2 1/2 YD	2 1/2 YD	3 3/8 YD	2 YD	9 x 11
Double 90" x 90"	2 7/8 YD	2 7/8 YD	3 7/8 YD	2 1/2 YD	11 x 11
Queen 98" x 98"	3 3/8 YD	3 3/8 YD	4 1/2 YD	2 3/4 YD	12 x 12
King 106" x 106"	3 7/8 YD	3 7/8 YD	5 1/8 YD	3 1/8 YD	13 x 13

Bloc Loc

6" Kaleidoscope Ruler Set

Quilt Size	White	Cream	Lt. Red	Dk. Red	Grid size
Wall-hanging or table -topper 50" x 50"	1 1/2 YD	1 1/2 YD	2 YD	1 1/2 YD	8 x 8
Twin 74" x 92"	2 7/8 YD	2 7/8 YD	3 3/3 YD	2 1/2 YD	12 x 15
Double 86" x 92"	3 1/4 YD	3 1/4 YD	4 1/4 YD	2 3/4 YD	14 x 15
Queen 98" x 98"	3 7/8 YD	3 7/8 YD	5 YD	3 1/8 YD	16 x 16
King 104" x 104"	4 1/4 YD	4 1/4 YD	5 1/2 YD	3 1/2 YD	17 x 17

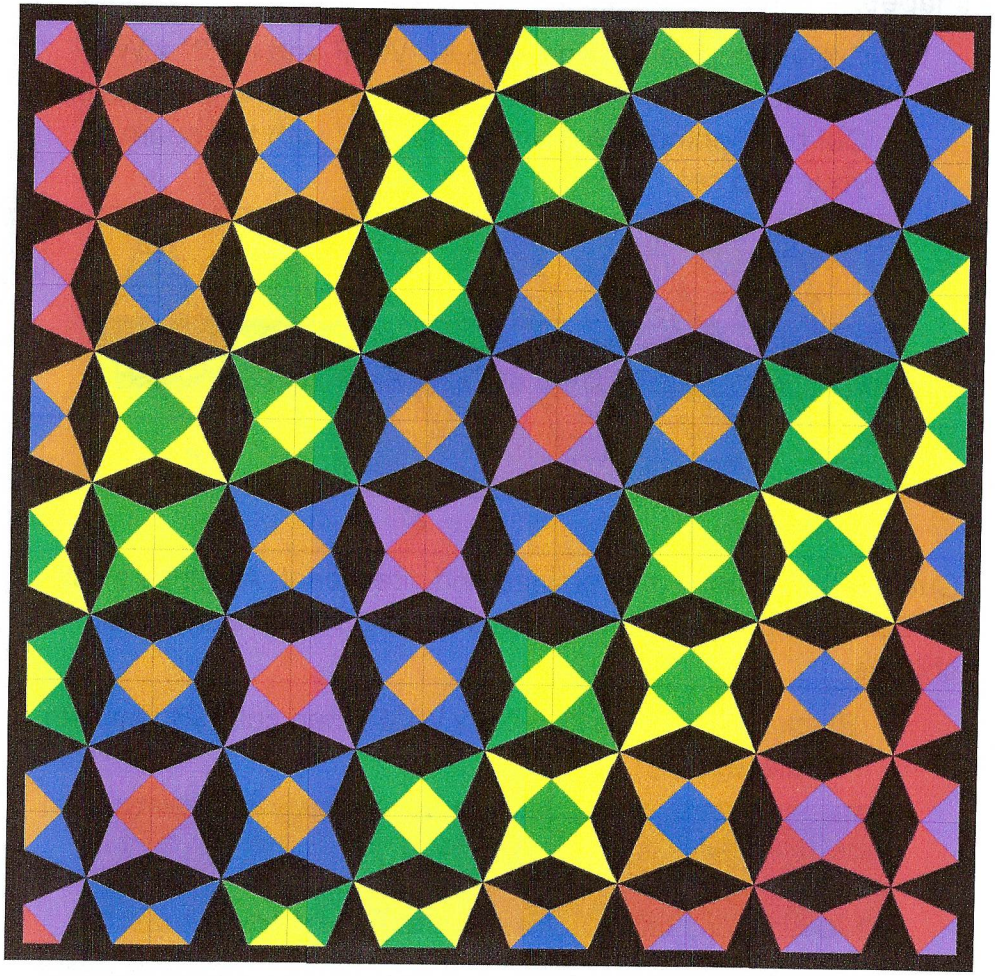
Bloc Loc

4" Kaleidoscope Ruler Set

Quilt Size	White	Cream	Lt. Red	Dk. Red	Grid size
Wall-hanging or table -topper 50" x 50"	1 5/8 YD	1 5/8 YD	2 1/8 YD	1 3/8 YD	12 x 12
Twin 74" x 94"	3 1/2 YD	3 1/2 YD	4 1/2YD	2 7/8 YD	18 x 23
Double 94" x 94"	4 1/8 YD	4 1/8 YD	5 1/4 YD	3 1/4 YD	22 x 23
Queen 98" x 98"	4 5/8 YD	4 5/8 YD	6 YD	3 3/4 YD	24 x 24
King 106" x 106"	5 1/4 YD	5 1/4 YD	6 7/8 YD	4 1/4 YD	26 x 26

Rainbow Kaleidoscope

Michelle Schneider



Materials

Bloc Loc Rulers– 8" Kaleidoscope

Fabric-

- Black– 2½ yards- cut (15) 5½" x WOF then cut (196) Template B
- Red– 1 yards- cut (4) 5½" x WOF, (2) 3" x WOF
- Orange– 1 yard- cut (4) 5½" x WOF, (3) 3" x WOF
- Yellow- 1 yards- cut (4) 5½" x WOF, (3) 3" x WOF
- Green- 1¼ yards- cut (6) 5½" x WOF, (2) 3" x WOF
- Blue- 1¼ yards- cut (6) 5½" x WOF, (2) 3" x WOF
- Purple- 1 yard- cut (4) 5½" x WOF, (2) 3" x WOF

Borders- ½ yard (cut directions below)

(6) 2½ x WOF; Sew together then cut into

(2) 2½ x 54 and (2) 2½ x 58

Batting– Twin Size

Backing– 3½ yards

Binding- ½ yard

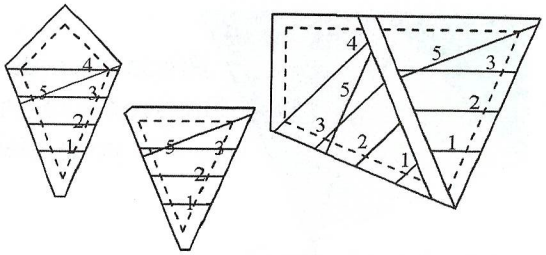
Free Pattern compliments of

Bloc Loc ®

FEATURING

Bloc Loc ®

8" Kaleidoscope

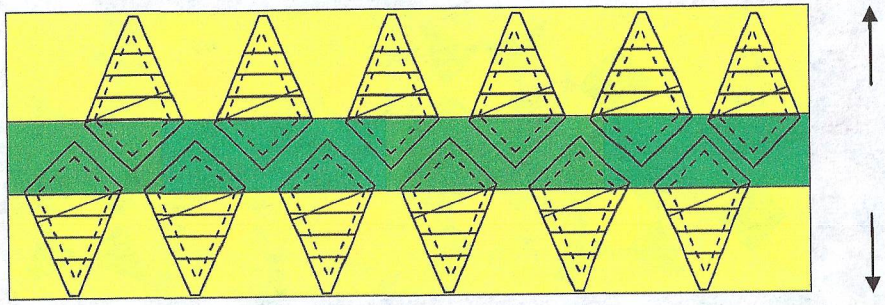


Finished Size– 58" x 58"

Creating Kaleidoscope Units

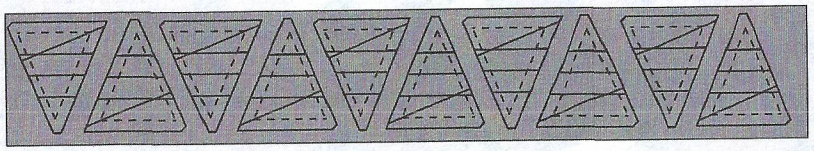
Cutting Template A is oversized and directional. All strips must be opened up (not folded) and right side up when cutting out shapes.

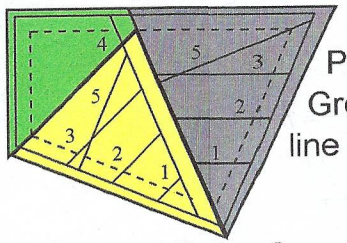
Create strip sets using (2) 5½ x WOF and (1) 3" x WOF for each color combination. Press towards to the outside. Cut by aligning line 4 on template "A" with the seam of your strip set.



Cutting Template B is oversized and directional. All strips must be opened up (not folded) and right side up when cutting out shapes.

Black Fabric– Cut (13) 5½ x WOF, then cut 196 template "B" pieces.

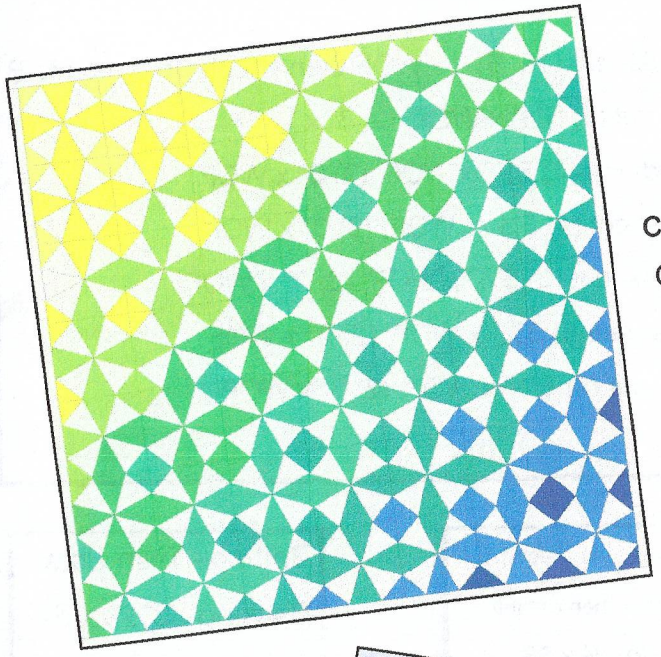




Press towards the "A" template. Place Grooved ruler in place, making sure to align line 4 to your seam, and trim.

Grooved Ruler G

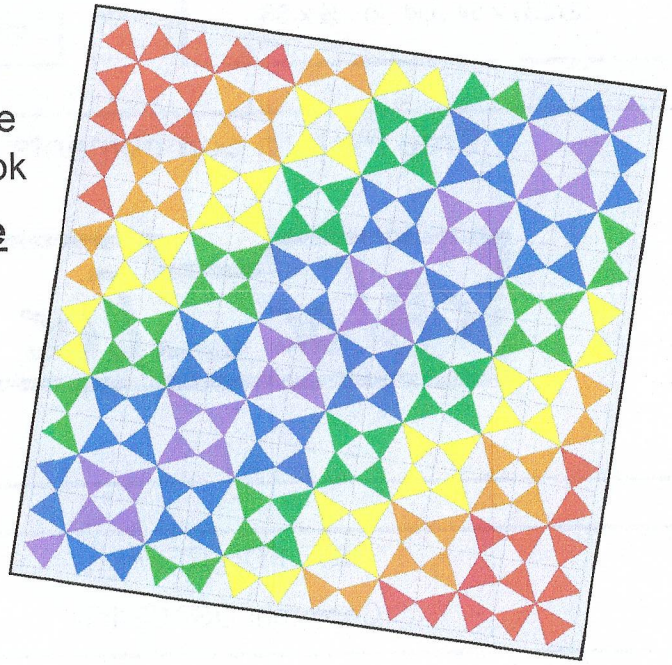
Other Layout Options



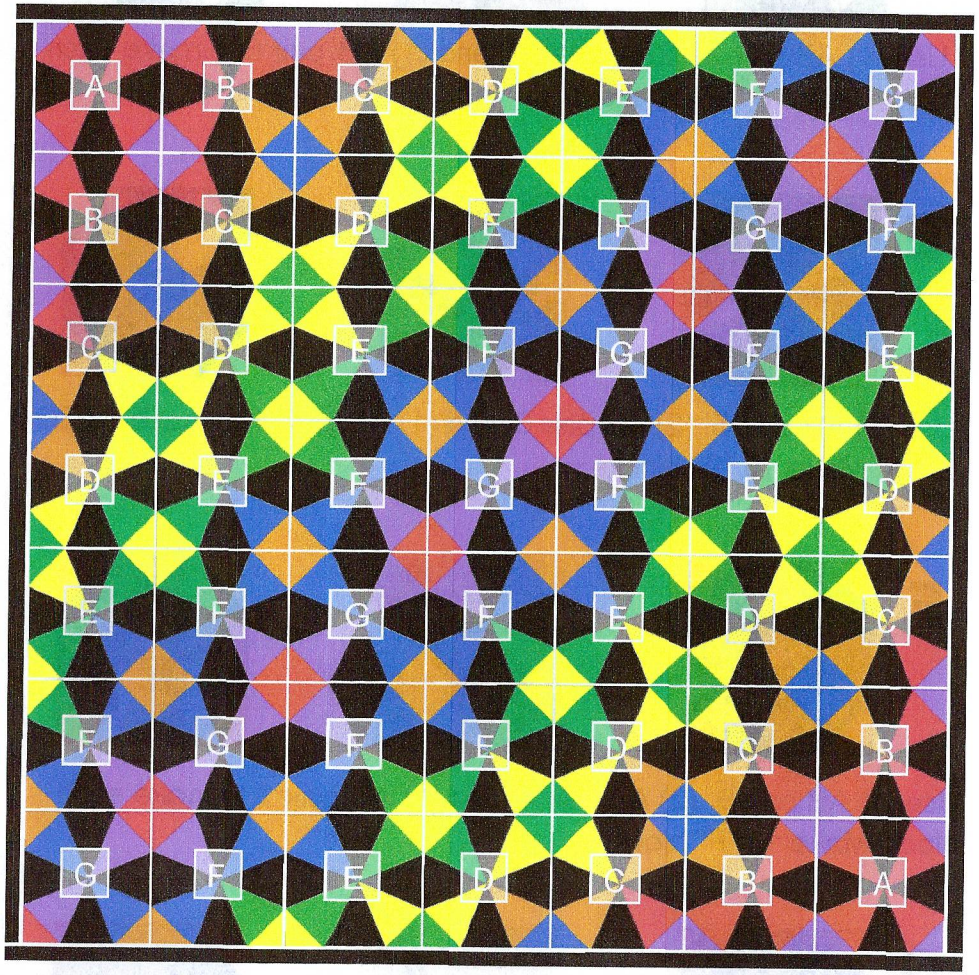
See this quilt completed in our online album at blocloc.com

Check out more ideas in our book

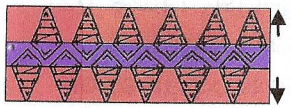
Kaleidoscope Heaven



Quilt Layout

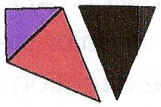


When placing blocks into quilt, blocks B, C, D, E, and F are rotated 180 degrees located to the right of G blocks.



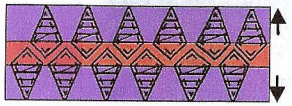
Make (2) strip sets.

Cut 26 template "A"



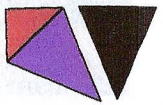
Sew (26) templates "B" to "A".
Press towards template "A".
Trim using KAL 8" ruler.

AB pair 1
Make 26



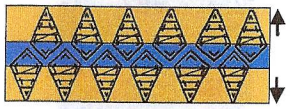
Make (2) strip sets.

Cut 26 template "A"



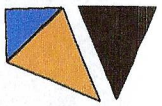
Sew (26) templates "B" to "A".
Press towards template "A".
Trim using KAL 8" ruler.

AB pair 2
Make 26



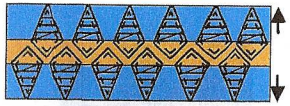
Make (2) strip sets.

Cut 24 template "A"



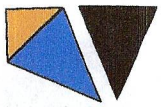
Sew (24) templates "B" to "A".
Press towards template "A".
Trim using KAL 8" ruler.

AB pair 3
Make 24



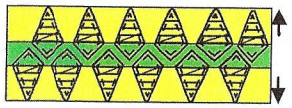
Make (3) strip sets.

Cut 48 template "A"



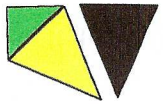
Sew (48) templates "B" to "A".
Press towards template "A".
Trim using KAL 8" ruler.

AB pair 4
Make 48

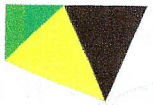


Make (2) strip sets.

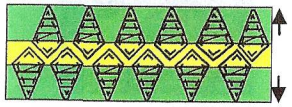
Cut 32 template "A"



Sew (32) templates "B" to "A".
Press towards template "A".
Trim using KAL 8" ruler.

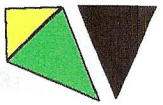


AB pair 5
Make 32



Make (3) strip sets.

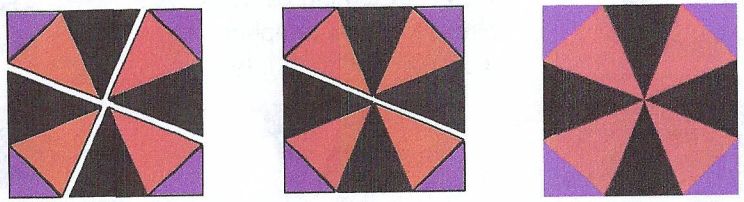
Cut 40 template "A"



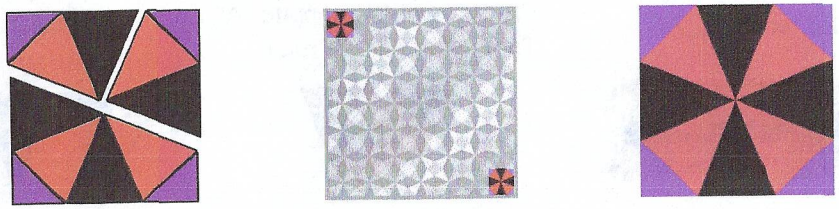
Sew (40) templates "B" to "A".
Press towards template "A".
Trim using KAL 8" ruler.

AB pair 6
Make 40

Blocks are created by sewing (4) AB pairs together. Make 1/2 block units by stitching (2) color specific AB pairs together. Press seams in opposite direction and sew the two halves of the block together.



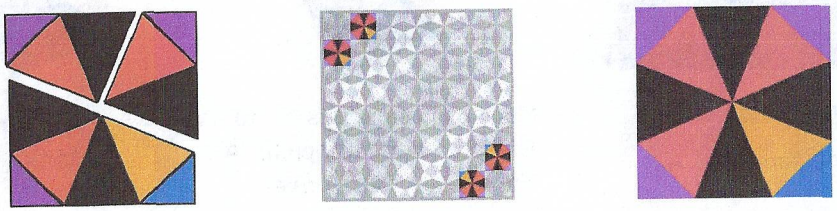
A



Use (4) AB pair 1 to make each block.

Make 2 "A" blocks.

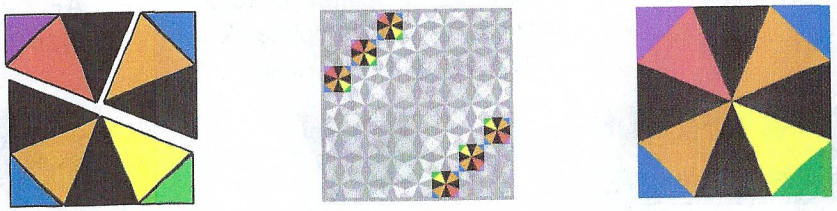
B



Use (3) AB pair 1 and (1) AB pair 3 to make each block.

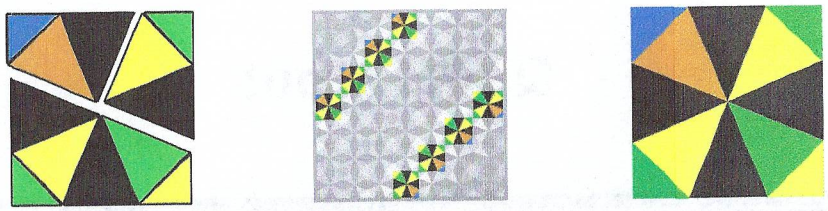
Make 4 "B" blocks.

C



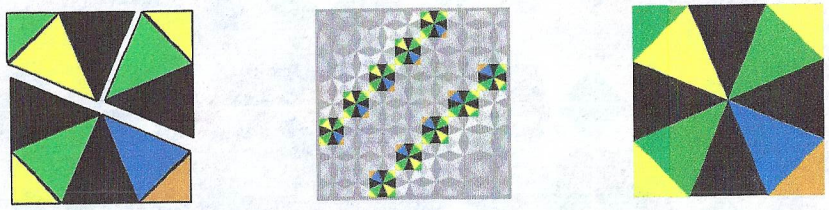
Use (1) AB pair 1, (2) AB pair 3 and (1) AB pair 5 to make each block. Make 6 "C" blocks.

D



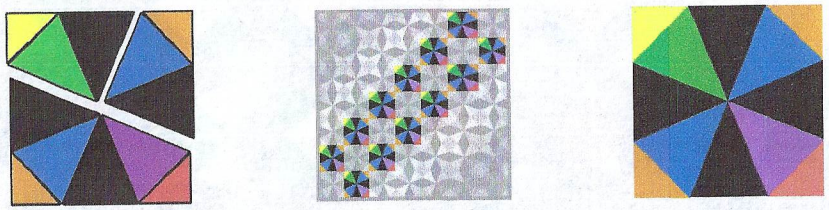
Use (1) AB pair 3, (2) AB pair 5, and (1) AB pair 6 to make each block. Make 8 "D" blocks.

E



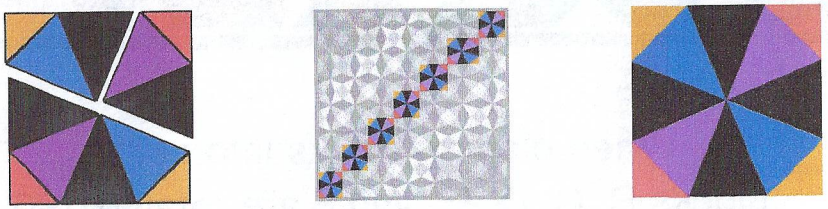
Use (1) AB pair 5, (2) AB pair 6, and (1) AB pair 4 to make each block. Make 10 "E" blocks.

F



Use (1) AB pair 6, (2) AB pair 4, and (1) AB pair 2 to make each block. Make 12 "F" blocks.

G



Use (2) AB pair 2 and (2) AB pair 4 to make each block.

Make 7 "G" blocks.