

Equilateral Ease!

A Ruler Primer: Cutting and Piecing

Equilateral triangles are incredibly versatile. With the right tools and just a little inspiration you'll be designing complex looking projects that are deceptively simple to stitch.

Read through all instructions completely before beginning.

Finished size: 23 1/2" x 32 1/2"

Know Before You Sew:

Equilateral triangle quilts are comprised of one unit (the triangle) with measurements based on the unit height. Placement of color, cutting triangles from scrap "slabs" or strata open up unlimited design possibilities. In this Primer, careful placement of background fabric creates the look of diamonds. Further interest is added by building triangle units from several smaller triangles.

There are several methods for cutting 60 degree units. This project uses the Quilters Select 60 Degree Ruler for ease and accuracy. The Non-Slip coating keeps the ruler secured while cutting. The squared off ends are perfect for aligning the triangle units for precise stitching.

Yardage requirements are rounded up. Read through strip cutting details for precise measurements.

Refer to 60 Degree Ruler Instructions for detailed information on using the 60 Degree Triangle Ruler.

WOF: Width of Fabric

Seam Allowance: 1/4"

Supply list *

Background fabric (A):	1 yd
Lg triangle Fabrics B/C/D:	1/3 yd each
Pieced triangle Fabrics E:	1/4 yd
Pieced triangle Fabric F:	1/8 yd
Backing Fabric:	30" x 40"
Binding:	3/8 yd

- Quilters Select 60 Degree Triangle Ruler
- Quilters Select 6" x 24" Ruler
- Quilters Select Rotary Cutter/Mat
- Quilters Select Ruler Handle
- 1 spool each neutral 60Wt Perfect Cotton and 80 WT ParaCotton Select Thread.
- Quilters Select Perfect Cotton Batting

Pro-Tip: 60wt thread in the needle, paired with 80wt thread in the bobbin creates a fine yet strong seam line. The fine thread minimizes bulk in the seamline for more accurate pieced points.



Basic Cutting Instructions



Cutting instructions are for the layout shown. If altering colorway, use included coloring page.

Background fabric (A):

- Cut four: 4 1/2" strips WOF

Sub-cut:

- Thirty-two: 4 1/2 triangles
- Eight left facing: 4 1/2" half triangles
- Eight right facing: 4 1/2" half triangles

Triangles B/C/D

- Cut two: 4 1/2" strip WOF from each fabric

Sub-cut:

- Fabric B: Ten: 4 1/2 triangles
- Fabric C: Nine: 4 1/2 triangles
- Fabric D: Eleven: 4 1/2" triangles

Pieced Triangle Units

Small Triangle E

- Cut two: 2 1/2" strips WOF

Sub-cut:

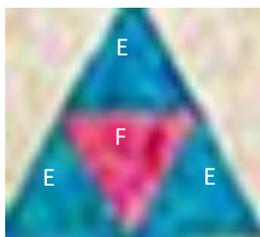
- Thirty: 2 1/2: triangles

Small Accent Triangle F

- Cut one 2 1/2" strip WOF

Sub-cut:

- Ten: 2 1/2" triangles





Basic Construction

Small triangle units will be stitched together to create ten 4 1/2" pieced units.

Triangle units will be joined in rows. Follow illustration for color placement or position as desired.

Rows will be joined to complete Primer top.

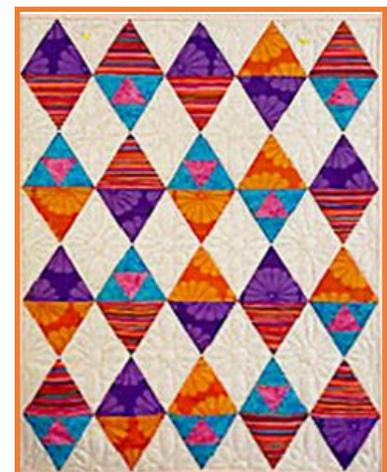
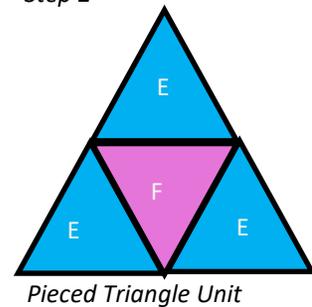
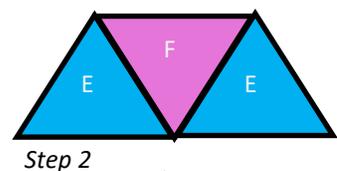
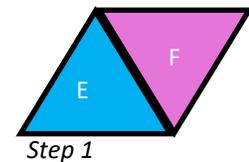
Note: Seam allowances are pressed open to eliminate bulk and facilitate matching points.

Small Triangle Units

- Stitch one Triangle E to left side of each Triangle F (*Step 1*).
- Press seams open.

- Stitch Triangle E to right side of Triangle F. (*Step 2*)

- Stitch Triangle E to top of unit. (*Step 3*)
- Pieced Unit Complete.
- Make 10.



Row by Row:

Layout triangle in rows, following illustration or as desired.

Pro-Tip: A design wall is helpful for planning color placement. Arrange the units on the wall, take to machine in rows for stitching.

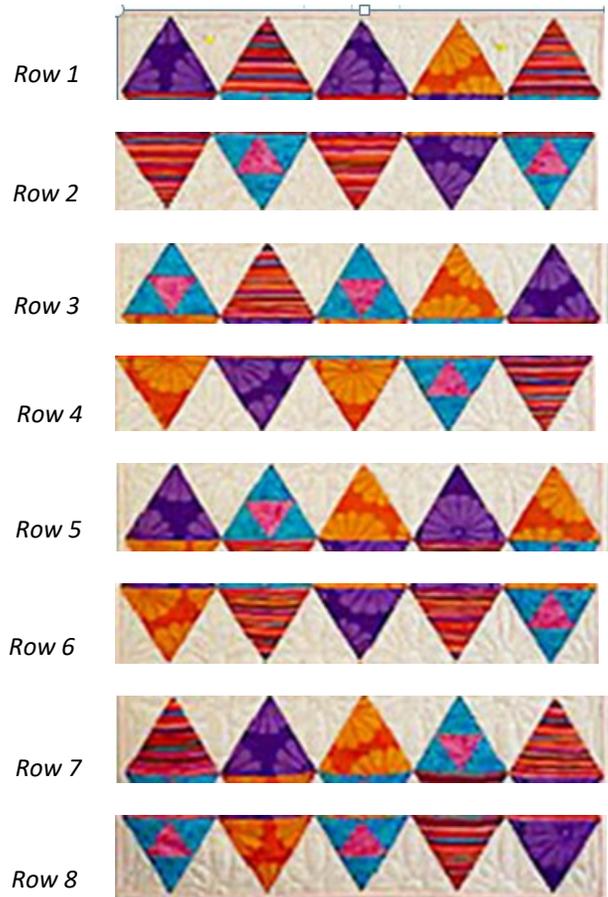


Row by Row cont.

- Row 1: Work from left to right, joining and pressing each seam open as you stitch.

Pro-tip: A mini iron and wool press mat next to the machine will speed up this process.

- Begin and end the row with a 1/2 triangle unit. Be sure to position the 1/2 triangle with the straight of grain edge to the outside.
- Complete Rows 2-8 in the same matter as Row 1.



- Join Rows in pairs taking care to align points.
 - Row 1 & 2, Row 3 & 4 and so on. Press seams open.
 - Join the pairs to complete the top.



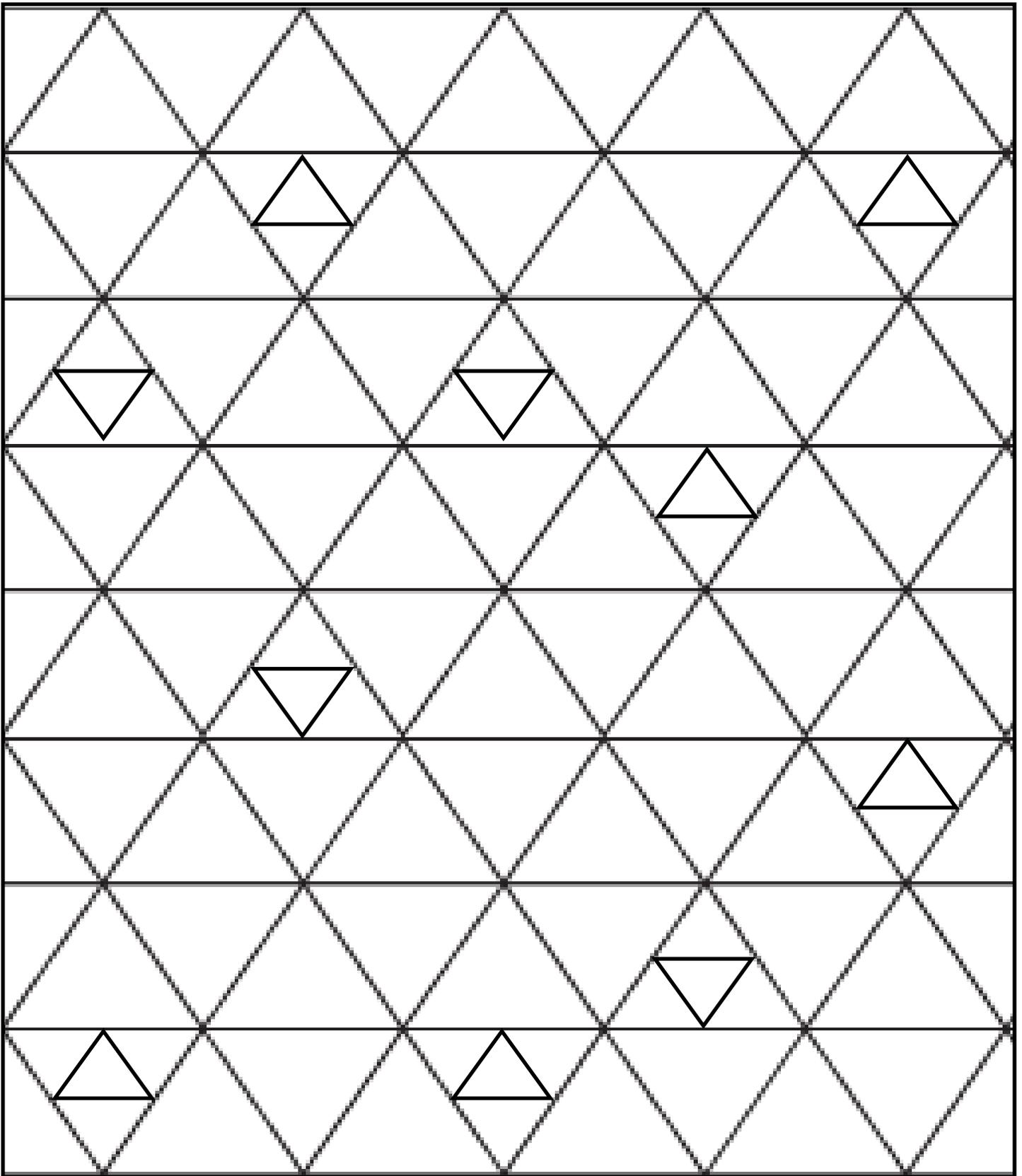


Finishing

Traditional Quilt Finish

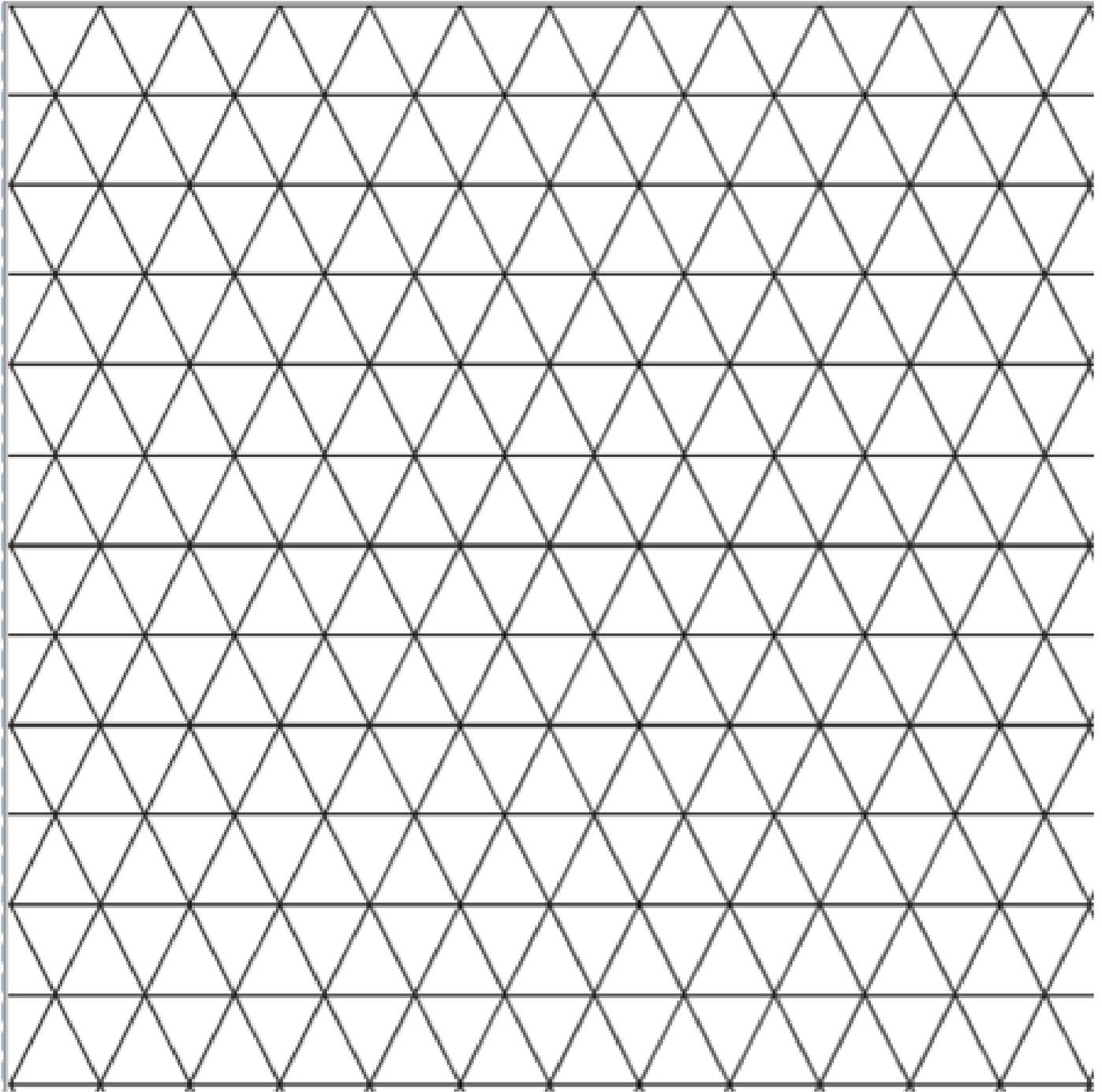
- Layer backing/batting/top. (wrong side of backing to batting/wrong side of top to batting to create traditional “quilt sandwich”)
- Stitch in the ditch along main seam lines or as desired.
- Bind as desired.





Primer Coloring Page

Image depicts quilt layout as shown.



Equilateral Triangle Coloring Planning Page

Experiment with color placement to create secondary design elements. Remember that the size of the quilt is based on the height of the triangle units.

