

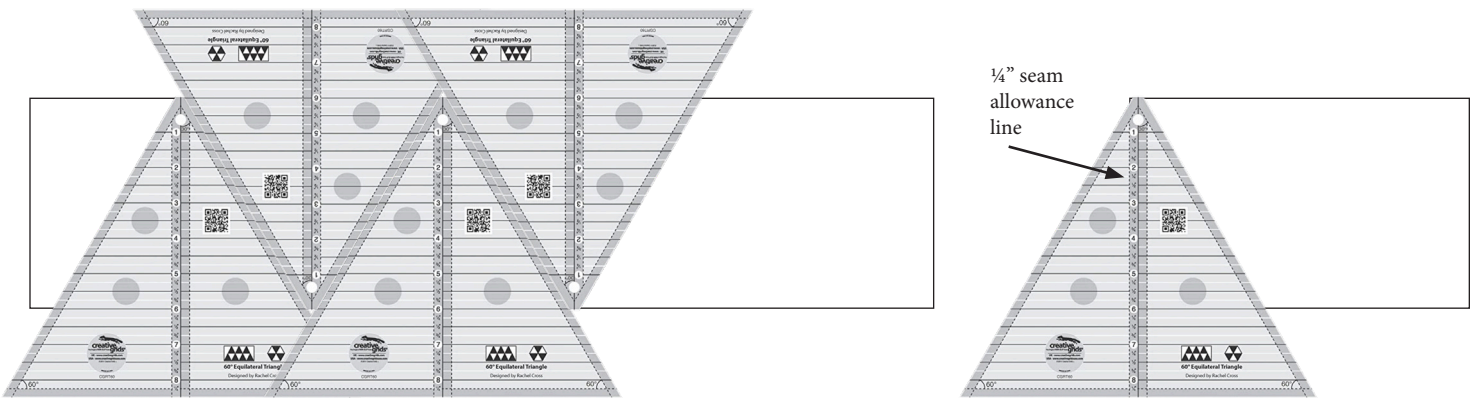
# 60° Equilateral Triangle

## Basics for cutting 60° equilateral triangles...

### Starch your fabrics.

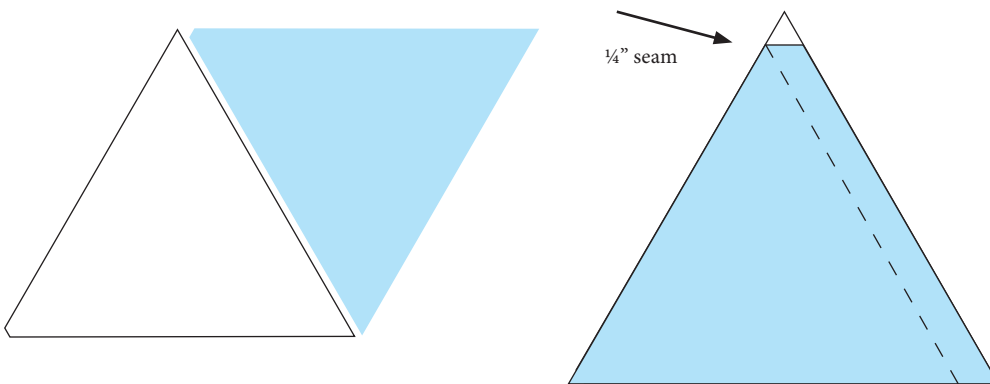
Cut a strip of fabric the same size as the height you want the triangle to be. Lay the template on the strip so the top flat tip aligns with the top of the fabric strip. Align the bottom of the template with the edge of the fabric using the lines on the template. Trim both sides of triangle. Flip template upside down. Align with fabric along the edge that was just cut and cut another triangle. Keep flipping the template along the length of the fabric strip.

Half triangles (30°) are needed to finish the end of a row when sewing triangles together. To cut a 30° triangle, line the center of the triangle up with a straight edge of fabric. There are 1/4" seam allowance lines on the template. To cut both ends, put fabrics wrong sides together. Line up the 1/4" line on the edge. Cut the angle. That will give you two 30° triangles - one left and one right.



## Basics for Sewing 60° equilateral triangles...

Lay the triangles side by side. Flip one over the other along the edge you want to sew. When lined up properly the flat tip will show you where your 1/4" seam should start. Because they are equilateral triangles, all edges should line up. Line up the 30° end pieces the same way to start and finish a row.

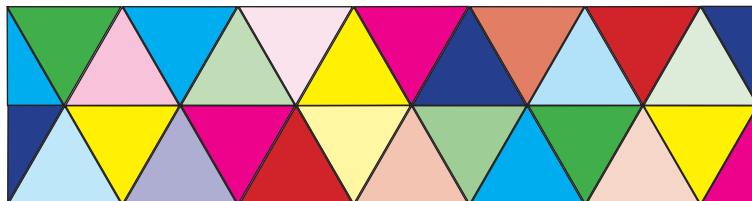


# Ideas and Tips for using the 60° Equilateral Triangle

## One-Color Triangles

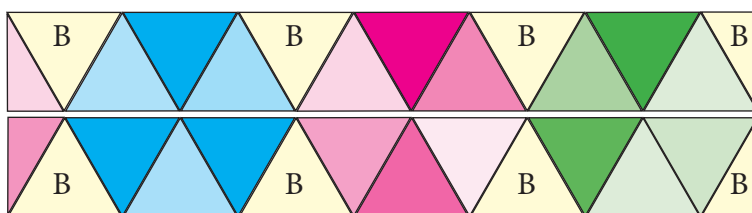
### Scrappy Quilt:

Cut triangles from various strips of fabric. Arrange the triangles in rows and sew together. This quilt can be made as small or large as you want using any size triangles. The size is entirely up to you. This is a great way to use up scraps.



### Hexi's:

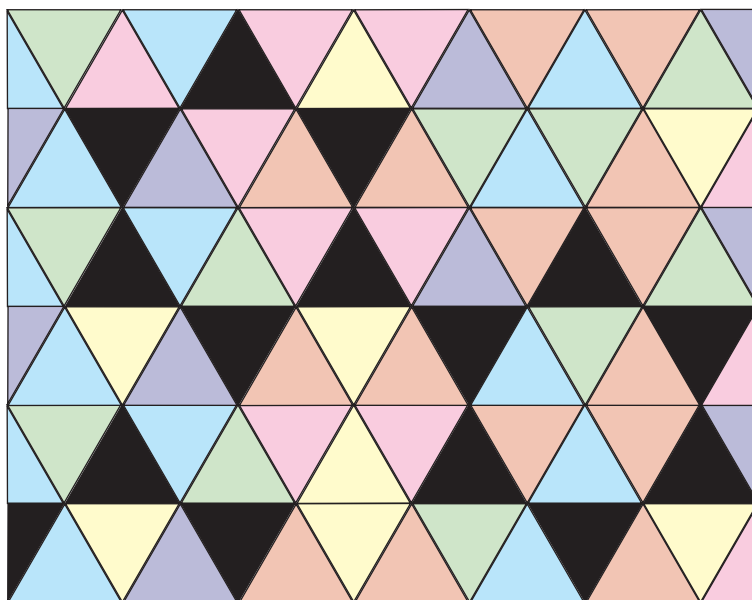
Cut fabrics that coordinate for hexi's and a background fabric. Arrange rows to create half hexi's.



B= Background Fabric

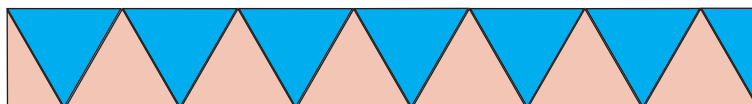
### Create a design:

Cut various fabrics the same as you would for a scrappy quilt - except the colors should be all medium to light OR medium to dark. Cut additional triangles from either white or black to create a pattern in the triangles.



### Create a pieced border for a quilt:

Can be scrappy or coordinated using two fabrics. If your pieced border doesn't match the measurements of the quilt center, adjust the end 30° pieces to fit the measurement needed. Finish borders with a corner block.



### Striped Fabric:

For a fun look, try using striped fabrics. Cutting some with the stripes horizontal and some with the stripes vertical.

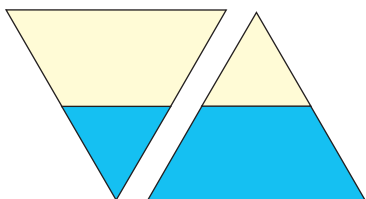
# Ideas and Tips for using the 60° Equilateral Triangle

## Two-Color Triangles

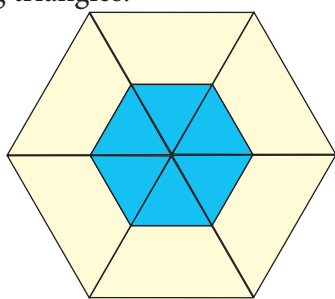
Make a strip set from 2 contrasting fabrics to the desired height of your triangle.

Example: 2 - 2 ½" strips sewn together will make a 4 ½" strip set.

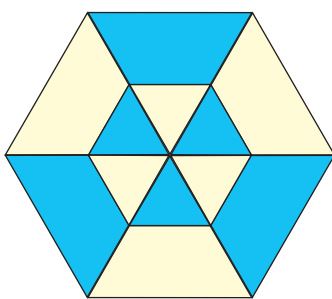
Cut triangles the same way as one-color triangles. Use the seam to line up the template. This will help your seam line up when sewn together. When cutting you will get 2 different triangles.



To get a consistent color ring when making a Hexi, use the same triangles. To get a contrasting color ring, use alternating triangles.



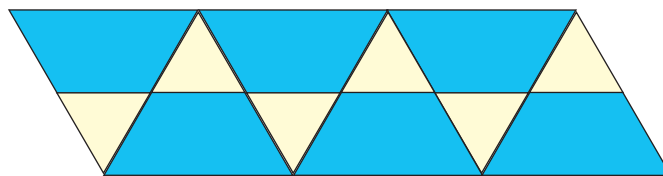
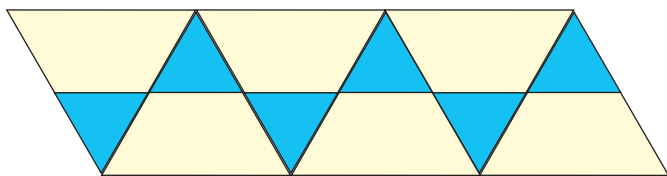
Consistent



Contrasting

### Create a pieced border for a quilt:

Sew the same (consistent) triangles to create a border. Two borders of the quilt can be one color way, and the remaining two borders will be the other to use all the triangles cut from a strip set.



## Three-Color Triangles

Make a strip set from 3 fabrics to the desired height of your triangle.

Example: 3 - 2 ½" strips sewn together will make a 6 ½" strip set.

Cut triangles the same way as one-color triangles. Use the seam to line up the template. This will help your seams line up when sewn together. When cutting you will get 2 different triangles.

Use the same way you would the two-color samples above.

# Ideas and Tips for using the 60° Equilateral Triangle

## Combining Other Angles

Use other angle templates to create a starburst effect.

- a 10° Wedge template would take 6 cuts to equal 60°
- a 15° Wedge template would take 4 cuts to equal 60°
- a 30° Wedge template would take 2 cuts to equal 60°

### Example using the 10° Wedge:

Cut 6 - 10° wedges from various coordinating fabrics.  
Sew the wedges together.  
Use the 60° Equilateral Ruler to trim edges if necessary.  
Trim the top and bottom straight.  
Cut a 60° triangle to add to the top.

Make 6 units, then sew together to make a starburst.



# 60° Border Fabric Table Runner

Fabric Requirements - 1 ¼ - 1 ½ yards border fabric

From this fabric you will get 2 - table runners, 2 table toppers, and multiple mug rugs

Cut 2 matching strips of the border.

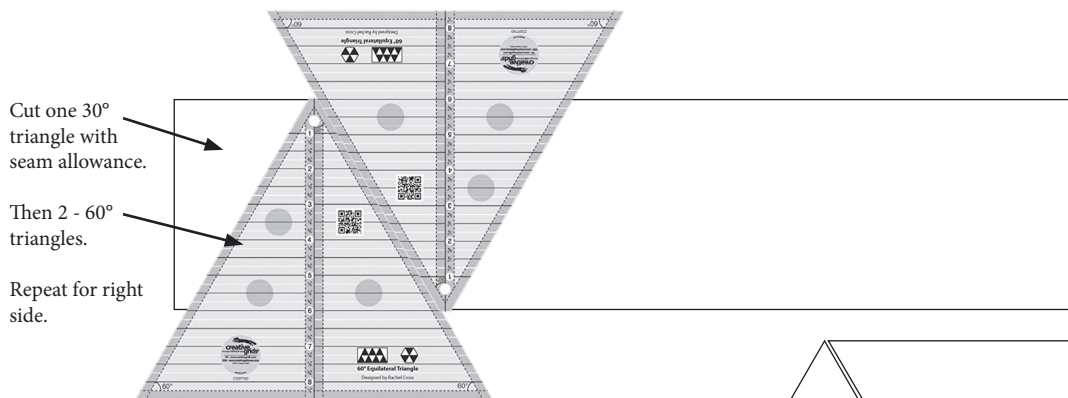
Lay the strips right sides together. Trim a straight edge.

Cut 1 - 30° triangle with seam allowance from the left side. Narrow end of the template towards the **BOTTOM** of the strip. Set aside for Topper.

Line up the template along that cut edge. Narrow end of template towards the **TOP** of the strips.

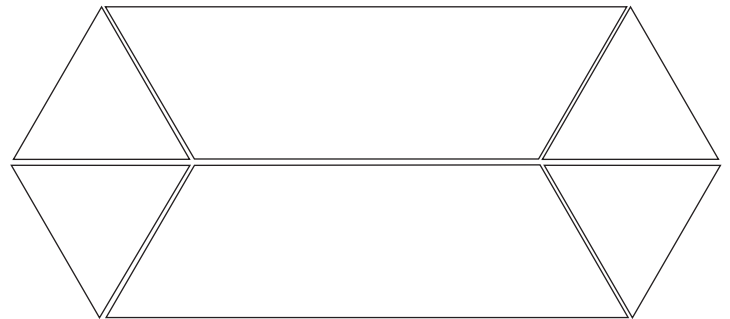
Cut a 60° triangle. Flip the template around and cut one more triangle.

Repeat the same process on the right side, trimming the edge straight and starting with a 30° triangle with seam allowances, then two 60° triangles.



Flip center fabric right side up. Sew a 60° triangle to each end of the center pieces. Sew the two halves together to make a table runner. Quilt as desired and bind.

Or layer with backing fabric and batting, stitch around the perimeter leaving an opening to flip it right side out. Hand stitch to close the opening.

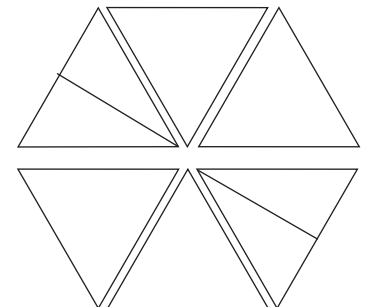


*For the quilt sandwich:*

*Layer batting on the bottom, then backing fabric right side UP on top of batting. Top layer is the table runner, right side DOWN. The backing fabric and quilt top will be right sides together.*

## Hexi Table Topper

Take the remaining four 60° triangles and the four 30° triangles and arrange them to make a Hexi Table Topper. Sew the 4 - 30° triangles together in pairs to create 2 - 60° triangles. Sew three triangles together. Sew remaining three together. Sew those two half hexi's together to complete the table topper.



## Mug Rugs

Many times there will be a remaining unused border strip. Cut 60° triangles from this remaining border fabric strips. Sew into hexi's to make rug mugs. Layer like described above, sew perimeter leaving a section open to flip right side out.

# 60° Modern Triangles Table Runner

34" x 16½"

## Fabric Requirements:

1- 4 ½" x 14" strip each of 4 different color fabrics

¾ yard Background Fabric

## Cutting Instructions:

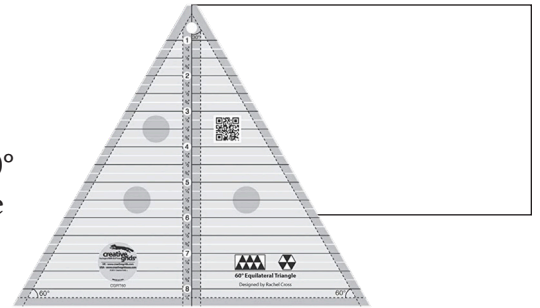
From colored fabrics - cut 4 - 60° triangles of each color

From Background - cut 3 - 4 ½" x WOF.

From these, cut 24 - 5" x 4 ½" rectangles

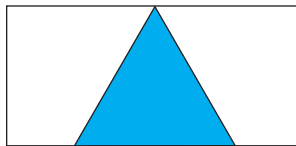
Layer two rectangles with wrong sides together. Trim the left edge to 30° by lining up the center line of the 60° template along the left edge of the rectangles. Trim the angle.

Cut 4 - 8 ¾" x 4 ½" rectangles (\*see instructions below before cutting)



## Sewing Instructions:

Sew a background 30° piece to either side of a colored triangle.



Press seams towards background.

Repeat with all 12 colored triangles.

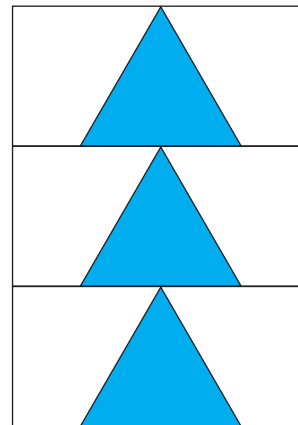
Sew these units together in sets of 3 matching colors.

Measure the width of the unit.

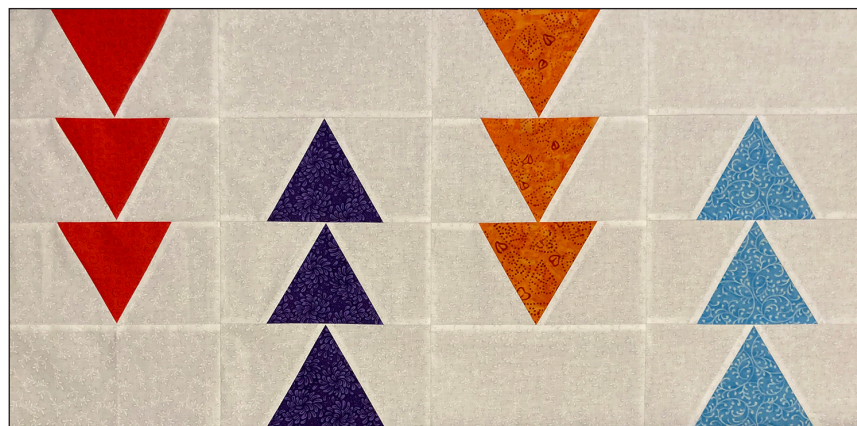
\*From the background fabric, cut 4 rectangles 4 ½" high by the width of the unit. (ex: 8 ¾" x 4 ½")

Sew a background rectangle to the top of each 3-unit set.

Sew the sets together. Alternate the direction of the triangles.



Quilt as desired and bind.



# 60° Wonky Trees Table Runner

49" x 18"

## Fabric Requirements:

4 - 8 ½" x 10" rectangles in various greens plus additional coordinating greens for border (to equal ¼ yard)

1 yard background fabric

4 - 3" x 3" squares various browns

½ yard for Border 1



## Making the Wonky Trees:

Cut 60° equilateral triangles from greens rectangles.

(Keep the trimmings.) Fig. 1

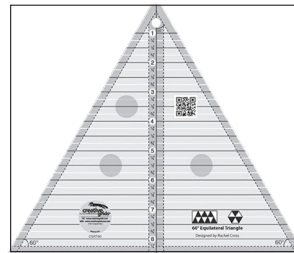


Fig. 1

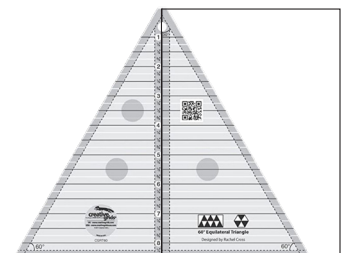


Fig. 2

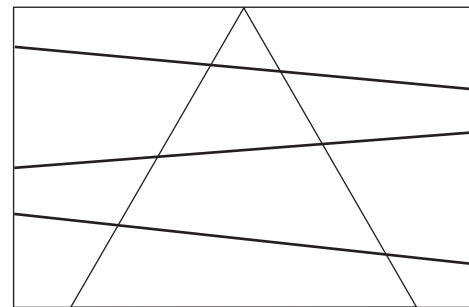
Background: Cut 2 - 6 ½" x WOF strips.

Cut into 8 - 8 ½" x 6 ½" rectangles

Layer two background rectangles wrong sides together.

Cut a 30° angle on the left side (8 ½"). Fig. 2

Repeat to cut all 8 pieces.



The space between angles should not be less than 1".

Fig. 3

Sew a background piece to both sides of green triangles.

Layer the four pieced blocks matching the edges.

Randomly cut three angles across the blocks, cutting all 4 fabrics at the same time. Fig. 3

Rearrange the cut pieces so you have one section from each fabric. Sew the sections together creating the wonky tree.

From background fabric, cut 4 - 2 ½" x 12", and 8 - 5 ¼" x 2 ½" rectangles.

Cut 4 - 2 ½" x 2" pieces from various browns for the trunks.



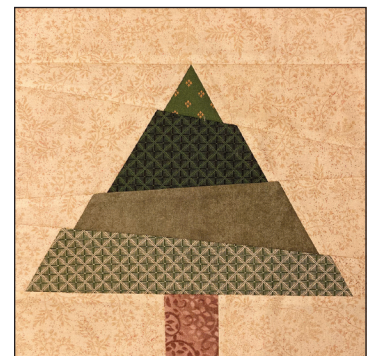
Fig. 4

Sew a brown trunk between 2 - 5 ¼" x 2 ½" background rectangles. Fig. 4

Sew the trunk unit to wonky tree. Sew 2 ½" x 12" background rectangle to the top of the tree to complete the block. Repeat to make 4 blocks.

Trim edges. For the sample runner, the block was trimmed to 10 ½" square with the tree centered.

Sew 4 wonky tree blocks together, alternating direction of the tree.



## Border 1

(The border strips are cut different widths to get the desired size for second border.)

Cut 3 - 1  $\frac{3}{4}$ " x WOF

Cut 1 - 2  $\frac{3}{8}$ " x WOF, subcut into 2 - 10  $\frac{1}{2}$ " x 2  $\frac{3}{8}$ " strips. Sew to the short sides.

Sew 3 - 1  $\frac{3}{4}$ " strips together to make one long strip. Cut strip in half. Lay both strips across the center of the runner. Place a pin in the strips at the runner edges to mark ends. Do not trim. Use those pins to place the strips along the long sides of the runner, matched the edges to the pins. Pin in place. Sew  $\frac{1}{4}$ " seam. Press seams towards border. Trim ends.

## Border 2

Cut 3" strips of various green fabrics to match trees. Cut 38 - 60° triangles. (*You can use the trimmings that were saved from the triangles cut for the trees to get some of these triangles*)

Cut 3 - 3" x WOF strips of background fabric.

Cut 34 - 60° triangles from two strips

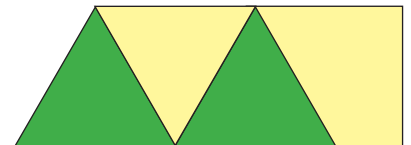
Cut 8 - 3" x 4" rectangles from the remaining strip. Layer two rectangles wrong sides together. Cut a 30° angle on the left side (3" side). Repeat to cut all 8 pieces.

Sew green and background triangles together to make a border strip.

Long sides - 15 green, 14 background. Triangle strip should start and end with a green triangle.

Short sides - 4 green, 3 background. Triangle strip should start and end with a green triangle.

Add a 30° background piece to the ends of all border triangle strips.



Pieced triangle border strips will be slightly longer than the table runner center.

Lay both short strips across the runner. Center the pieced border so there is equal distance at the edges. Place a pin in the strips at the runner edges to mark ends. Do not trim. Use those pins to place the strips along the short sides of the runner, matching the edges to the pins. Pin in place. Sew  $\frac{1}{4}$ " seam. Press seams towards border 1. Trim ends.

Next you need to trim the long strips before adding the corner blocks. Lay both long strips across the center of the runner. Center the border so there is equal distance at the edges. Place a pin in the strips at the runner edges (at the seam with the triangle border) to mark edges. Add  $\frac{1}{4}$ " to each side for seam allowance. Trim.

Cut 4 - 3" x 3" squares. Add a corner square to each end of the long pieced border strips.

Pin the long border in place matching the seams at the corner block. Sew  $\frac{1}{4}$ " seam. Press seams towards border 1.

Quilt as desired and bind.