NON-SLIP
Spider Web

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The Original **NON-SLIP** Ruler
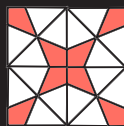
spider web	floating spider web	4 pointed star	kaleidoscope

Creates a variety of blocks using 3" to 10" strips or strata widths. Depending on the positioning of the light and dark fabrics, the finished blocks resemble a spider web or a four-pointed star.

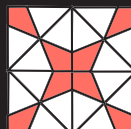**Designed By: Karla Alexander**

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spider web	floating spider web	4 pointed star	kaleidoscope

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The Original **NON-SLIP** Ruler

NON-SLIP
Spider Web

The Spider Web ruler is capable of cutting many different shapes for a variety of blocks using 3" to 10" strips or strata widths. Depending on the positioning of the light and dark fabrics, the finished blocks resemble a spider web or a four-pointed star.

Cutting Instructions

The following instructions will illustrate how to cut three different shapes, a triangle, a kite and a polygon for the background shape. All of the blocks shown above use a variety of up to three of these shapes.
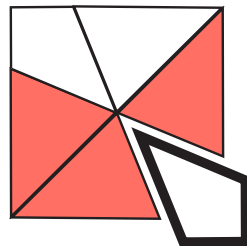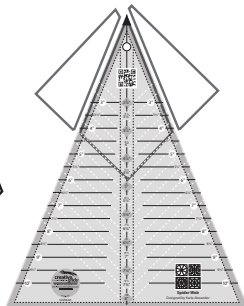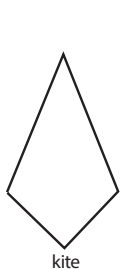
Triangles

The triangle shape is used in the spider web blocks, the 4 pointed star and the kaleidoscope block. To cut the triangle shapes, choose from up to 15 different strip widths ranging in size from 3" to 10", increasing in half inch increments. Cut a strip of fabric or sew strips together to create a strata equal to one of the widths shown on the right and left edge of the ruler. Place the ruler on top of the fabric, as far to the left as possible, then align the horizontal measurement on the ruler with the bottom edge of the strip. The tiny black triangle at the top of the ruler should be aligned with the top edge of the fabric strip. Cut along the left and right edge of the ruler, then rotate 180° and reposition for the next cut as illustrated. Continue cutting until all the triangles have been cut. Refer to the cutting chart to determine how many triangles one strip will yield.
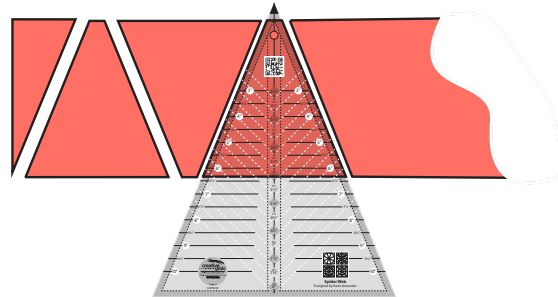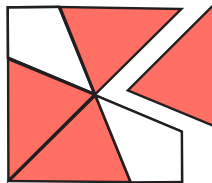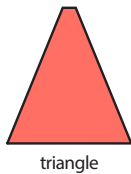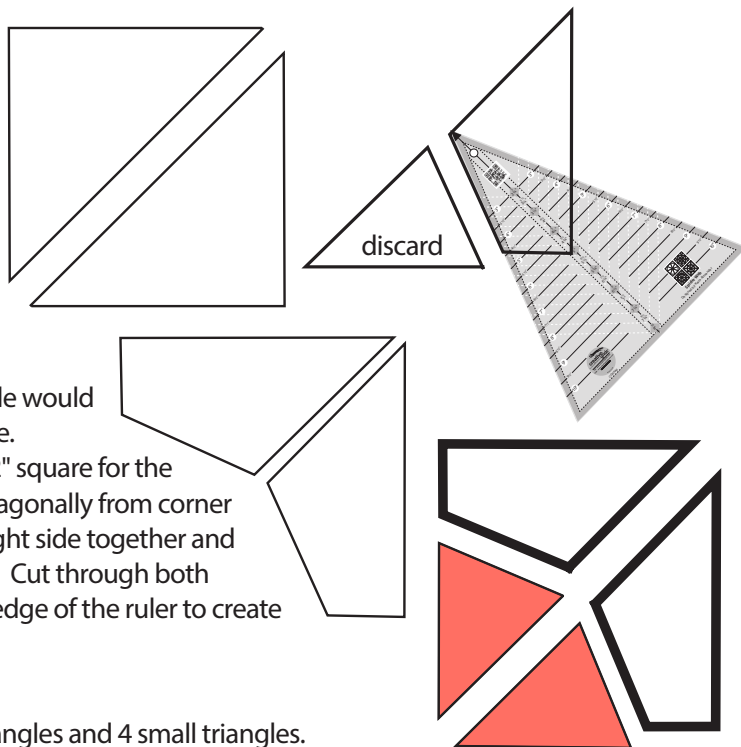

triangle

Kites

The kite shape is used in the spider web blocks and the four-pointed star block. To cut the kite shape, refer to the numbers printed in the center of the ruler. The top number corresponds with the triangle length and the number directly below is the size of square necessary to cut one kite shape for that particular sized triangle. Place the ruler over the top of a square as shown, aligning the bottom corner of the square with the corresponding measurement on the ruler. Cut along both angled sides of the ruler. The kite shapes will be oversized. They will be trimmed to size once the block is complete.

kite

Background

The background polygon shape is used in the floating spider web block. To cut the background shape, use the square measurement located in the center of the ruler that corresponds with the size of triangle you are working with. Multiply the measurement by two and cut one square to that size.

For example: a block using a 3" triangle would require a 2-3/4" square for a kite shape. Multiply 2.75" x 2 = 5.5". Cut one 5-1/2" square for the background piece and cut it in half diagonally from corner to corner. Place these two triangles right side together and place the ruler over the top as shown. Cut through both triangles of fabric along ONE angled edge of the ruler to create a right and left background shape.

discard

Kaleidoscope Block

The kaleidoscope block requires 8 triangles and 4 small triangles.

Several results are possible with different fabric selections: eight triangles from the same fabric, eight different (same value) triangles or four light triangles alternating with four dark will all result in different blocks. Two different fabric selections are illustrated. Refer to the Triangles cutting instructions to cut the 8 triangles for the block. To cut the corner triangles, refer to the corresponding number located in the center of the ruler. The first number is the length of the triangles, the second number is the size of square necessary for the small corners.

Cut two squares that size and cut in half diagonally from corner to corner to create four corners for each block.
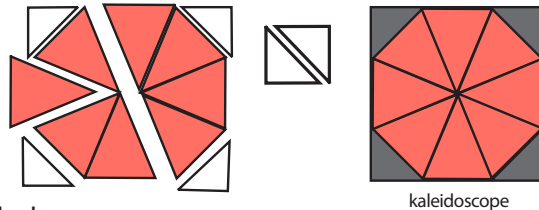
kaleidoscope

Sewing Instructions

Kaleidoscope Block

Layer the triangles into four sets of two triangles each, all right sides together. Sew the sets together using an accurate 1/4" seam allowance. Press seams to one side then sew the sets together in sets of two each, then join units together. Press seams to one side. Use the four corner triangles cut earlier and pin and sew to the four corners. Trim triangles even with the triangles.

kaleidoscope
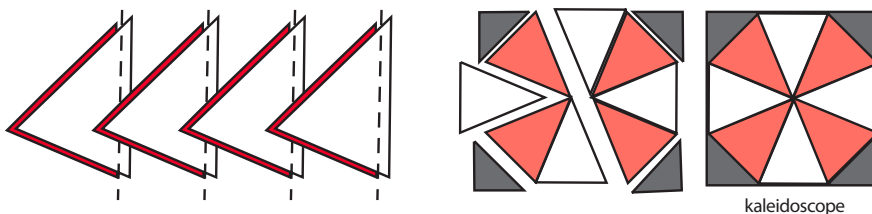
Spider Webs and Four- Pointed Star

All the blocks are made by combining four smaller blocks together as shown. Each of the blocks use up to three of the same shapes with the only difference being the placement of color.

Sewing Instructions for the Spider Webs and Four Pointed Star (cont.)

1. Mark the 1/4" sewing line on front right side of the short edge of each triangle and the long edge of the kite shapes to help with sewing placement. Once you have pieced several blocks you may find pre-marking unnecessary. (Fig. 1)
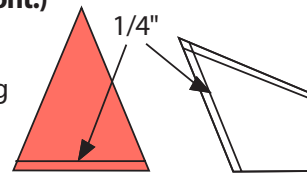
2. Place a triangle right sides together with the kite, aligning the beginning mark of the 1/4" measurements. Pin the pieces together and then open up to check for proper placement. When opened, the two points should match perfectly without any off-set. Adjust as necessary then sew together. (Fig. 2)
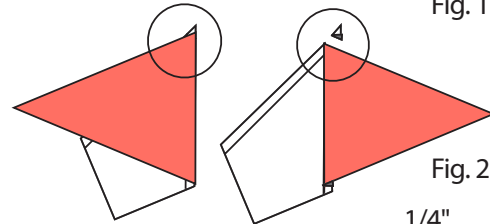
3. Open up the two pieces and press seams toward the triangle. Trim excess fabric at the tip. (Fig. 2) The kite shape will be slightly over-sized and will need to be trimmed even with the triangle once the block is complete. (Fig. 3)
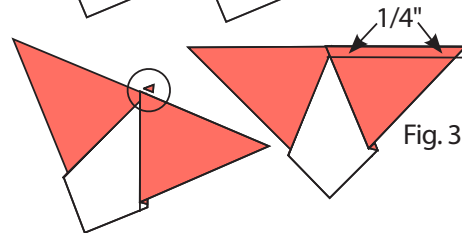
4. Add the second triangle as described in step 2, press seams toward the kite and trim the excess fabric at the tip. The combined pieces should form a straight edge across the top with the point of the kite beginning 1/4" from the straight edge. (Fig. 3) Repeat above steps to complete the second half.
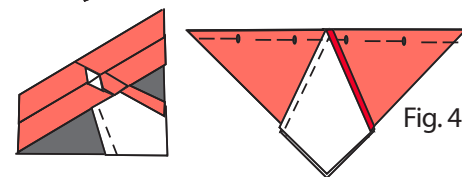
5. Join the halves by placing the points of the kites right sides together. Fold back the edge of the top piece and adjust until you see a tiny diamond. Fold the edge back up and place a pin where the points of the two diamonds meet. Double check placement before sewing. Use an accurate 1/4" seam allowance to avoid cutting off the points of the kites. Open and press seams to one side. (Fig. 4)
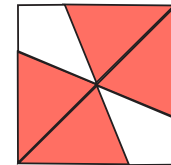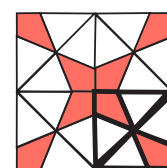
To make the spider web block and the four pointed star block, piece four blocks together as shown. To make the floating spider web block, use the large polygon background pieces in place of the kite shapes.
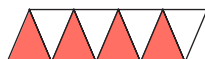
1/4"

Fig. 1

Fig. 2

1/4"

Fig. 3

Fig. 4
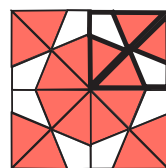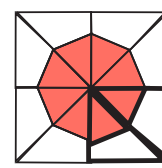
spider web   floating spider web   four pointed star

Triangles: Yield Based on 42" Strip

Triangle	Max/strip
3	24
3.5	20
4	18
4.5	17
5	15
5.5	14
6	13
6.5	12
7	11
7.5	10
8	10
8.5	9
9	8
9.5	8
10	8

Kite: Yield Based on 42" Strip

Tri Size	Kite Sq Size	Max/strip
3	2.75	14
3.5	3.25	12
4	3.5	11
4.5	4	10
5	4.25	9
5.5	4.75	8
6	5	8
6.5	5.5	7
7	5.75	6
7.5	6.25	6
8	6.5	6
8.5	7	5
9	7.25	5
9.5	7.75	5
10	8	5

Approximate block size. Four blocks are necessary to form one spider web block.

Tri Size	Spider Web	Kaleidoscope
3	4	5.5
3.5	4.75	6.5
4	5.5	7.5
4.5	6.25	8.5
5	7	9.5
5.5	7.75	10.5
6	8.75	11.5
6.5	9.25	12.5
7	10.25	13.5
7.5	11	14.5
8	11.75	15.5
8.5	12.5	16.5
9	13.25	17.5
9.5	14	18.5
10	14.75	19.5

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