## 6" Flying Geese \& $45^{\circ} 90^{\circ}$ Triangle <br> 

Use this multi-sized ruler to cut the parts for 11 different sizes of Flying Geese units ranging from 1" x 2" to 6"x 12" finished sizes. Use those same parts for Half-Square and Quarter-Square Triangle Blocks. Finished unit sizes and required strip widths are printed right on the ruler.
Designed by: Rachel Cross


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## NON-SLIP

## Multi-Size 6 " Flying Gease \& $45^{\circ} / 90^{\circ}$ Triangle

Use this multi-sized ruler to cut the parts for 11 different sizes of Flying Geese units ranging from $1^{\prime \prime} \times 2^{\prime \prime}$ to $6^{\prime \prime} \times 12^{\prime \prime}$ finished sizes. Use those same parts for Half-Square and Quarter-Square Triangle Blocks. Finished unit sizes and required strip widths are printed right on the ruler.

## Making 3" x 6" finished Flying Geese Units

1. Select the size of Flying Geese unit you would like to make. The finished unit sizes are clearly indicated in black boxes on the right hand side of the triangles.
2. Follow that line across to the left of the triangle. The indicator there will tell you the strip width you need to cut. In this case 3-1/2" strips are required.

## Cutting the



## Geese- use the large $90^{\circ}$ triangle

3. Cut multiple strips of fabric for both the Goose and Sky triangles $3-1 / 2^{\prime \prime}$ wide using a regular straight ruler. Work from the left hand side of the strip if you are righthanded and from the right side if you are left-handed.
4. Line up the top flat edge of the $90^{\circ}$ triangle with the top of the fabric strip. The bottom edge of the fabric should match the 3-1/2" indicator on the ruler (Fig.1). Cut along both sides of the triangle.


Fig. 1

Tip: Spread your hand all over the ruler especially within the smaller Sky triangle (marked $45^{\circ}$ at the flat corner), keeping your fingers away from the blade.
5. Rotate the ruler $180^{\circ}$. Line up the side edge of the triangle with the last cut edge of the fabric strip, then cut along the right hand side of the triangle Repeat this process until you reach the end of the strip (Fig.2).


## Cutting the Sky - use the smaller $45^{\circ}$ triangle

The two Sky pieces for each block are cut as mirror images so for this you need to layer two strips of Sky fabric each $3-1 / 2^{\prime \prime}$ wide with right sides together.
6. Using the small $45^{\circ}$ triangle section of the ruler, line up the top flat of the ruler with the top edge of the layered strips of fabric. The 3-1/2" strip indicator will line up with the bottom edge of the strip (Fig.3). Rotary cut along the right
 Fig. 3 and left hand side of the triangle. The cutout circle at the center of the ruler makes it possible to cut through the strip completely when using wider strips (Fig.4).

7. Rotate the ruler $180^{\circ}$. Line up the diagonal side of the triangle with the last cut edge of the fabric strip. Rotary cut along the ruler edge towards the circular cutout area (Fig.5). Repeat this process until you reach the end of the strip.

8. Arrange a center Goose triangle with a small side Sky triangle as in Fig.6. Flip one side triangle over and pin and stitch it to the center Goose triangle, matching the edges of the pieces exactly (Fig.7). Press the small triangle out, away from the center Goose shape, ironing from the front of the work. Repeat this with the other side triangle to complete the Flying Geese block. (Fig. 8)


Fig. 6
Fig. 7


Fig. 8

## Cutting Quarter-Square Triangle Units

1. Choose the required size for your quarter-square traingle block. In this case we would like our finished block to be 10".
2. Located down the center of the large $90^{\circ}$ triangle is a set of numbers not used when making Flying Geese. These are used specifically for making quarter-square triangle units.
3. Look for the number 10, and follow this line to the left of the ruler to find the fabric width indicator. In this case it is $5-1 / 2^{\prime \prime}$.
4. Use a regular ruler to cut one strip each of two different fabrics, each 5-1/2" wide. Place the strips together with right sides together. Use the $90^{\circ}$ triangle ruler as described in steps 4 and 5 for making Flying Geese to cut pairs of triangles. The top flat edge of the ruler should line up with the top of the fabric strip. The bottom edge of the fabric strip should match the 5-1/2" line on the ruler.
5. Without separating the first pair of triangles, stitch them together down one side as in Fig.9. Repeat this on the second pair of triangles, making sure that the layers of fabric are in the same order and the stitchline on the same side as the first pair. Open each pair of triangles and press the seam towards the darker fabric.

6. Finally pin and stitch the pairs together, matching seams carefully to complete the quarter-square unit.

## Cutting Half-Square Triangle Units



1. Choose the size of the finished square you wish to make from two half-square triangles. In this case it's 5".
2. Along the right hand edge of the smaller $45^{\circ}$ triangle is a set of numbers set in a circle. These are not used for making Flying Geese. They are used specifically for making half-square triangle units.

3. From the circular indicator 5, follow the line across the ruler to the left to find the strip width indicator. In this case it's 5-1/2".
4. Use a regular ruler to cut one strip each of two different fabrics 5-1/2" wide. Place the strips together with right sides together. Use the smaller $45^{\circ}$ triangle ruler as described in steps 6 and 7 for making Flying Geese to cut pairs of half-square triangles. The top flat edge of the ruler should line up with the top of the fabric strip. The bottom edge of the fabric strip should match the 5-1/2" indicator on the ruler.
5. These triangles are now in pairs and can be taken straight to the sewing machine and sewn together across the longest edge to complete the half-square unit.

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