



## Its 3 n 1!

### A Ruler Primer: Cutting and Piecing

Half and quarter square triangles are amazingly versatile. On their own, stunning graphic patterns are created by simply shifting fabric placement. They are a staple unit in so very many traditional and non-tradition quilt blocks. Enhance your skill set with this triangle primer.

*Read through all instructions completely before beginning.*

*Finished size: 22" x 22" includes 2" border.*

#### Know Before You Sew:

There are several ways to cut and stitch 1/2 or 1/4 triangle units. The Primer uses the Quilters Select 3N1 Ruler. This specialty ruler makes it simple to cut triangle units and "nips" the top of the triangle for accurate piecing.

The scrappy look in the primer was created with one background fabric and five contrasting fabrics. It's a perfect palette for a random assortment of scraps from your stash. A coloring sheet is included for planning purposes.

For 1/2 triangles, enough yardage to cut a 4 1/2" strip is required. For 1/4 square units, a 2 1/2" strip is required.

Refer to 3N1 Ruler Instructions for detailed instruction in using the 3N1 Ruler Instructions.

WOF: Width of Fabric

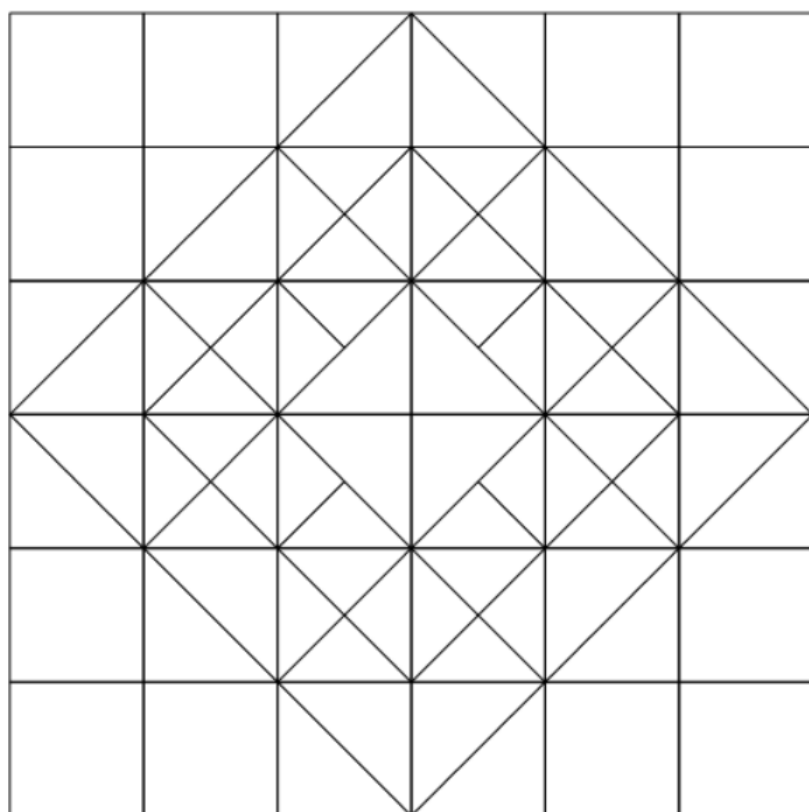
Seam Allowance: 1/4"

#### Supply list \*

Background fabric (A): 1/4 yd  
 Contrast Fabrics 1-5: 1/8 yd of each  
 Backing Fabric: 24"x24"  
 Border fabric: 1/3 yard

- Option 1: 3/4 yard > backing/binding for table topper or wall hanging:
- Option 2: 3/4 yd backing, 24" pillow form
- 3N1 Triangle Ruler
- Quilters Select 6" x 24" Ruler
- Quilters Select Rotary Cutter
- Quilters Select Ruler Handle
- 1 each neutral 60Wt Perfect Cotton and 80 WT ParaCotton Select Thread.
- Quilters Select Perfect Cotton Batting > 24"x24"

**Pro-Tip:** 60wt thread in the needle, paired with 80wt thread in the bobbin creates a fine yet strong seam line. The fine thread minimize 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 (full size sheet on last page of instructions).

### Background fabric (A):

- Cut two 3 1/2" strips WOF

Sub-cut:

- Cut nine 3 1/2" squares
- Cut nine 1/2 triangles

### Contrast Fabric (1 & 3)

- Cut one 3 1/2" strip.

Sub-cut: Four 1/2 sq triangles

- Trim remaining strip to 2"

Sub-cut (A) Four 1/4 triangles from 2" strip.

### Contrast Fabric (2)

- Cut one 2" strip

Sub-cut (A): Twelve 1/4 triangles

### Contrast Fabric (4)

- Cut one 3 1/2" strip

Sub-cut: Four triangles

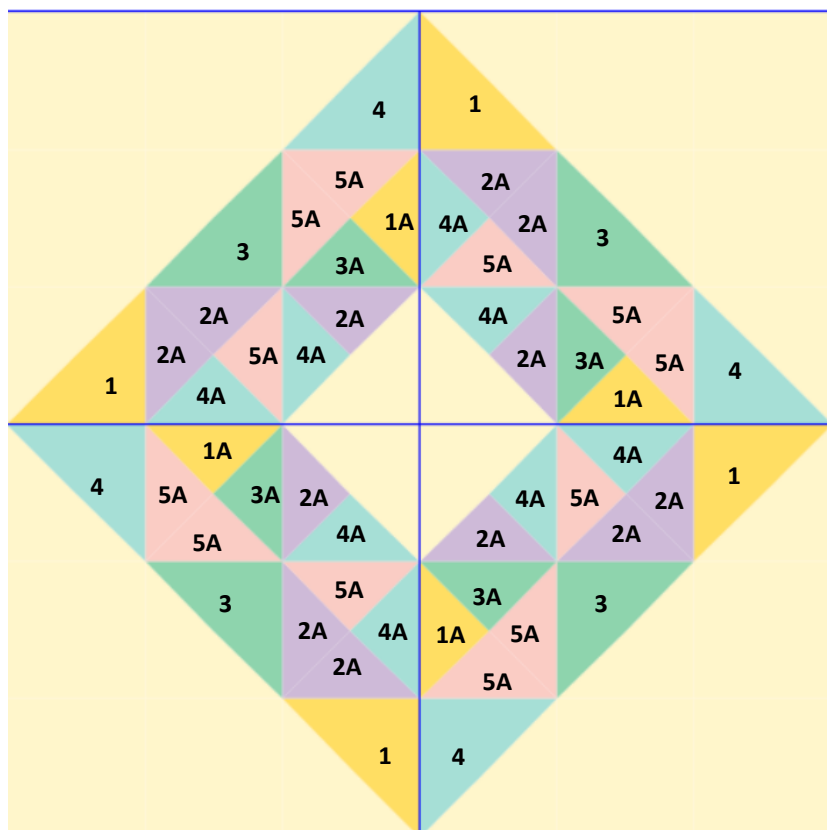
- Trim strip to 2".

Sub-cut (A) : Eight quarter squares.

### Contrast Fabric (5)

- Cut one 2 1/2" strip WOF

Sub-cut: (A): Twelve quarter squares.

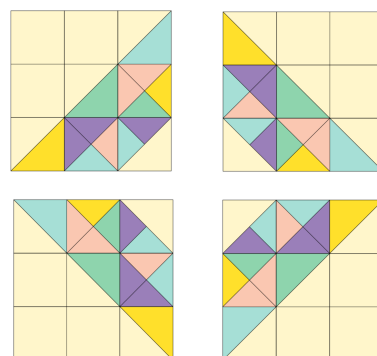




## Basic Construction

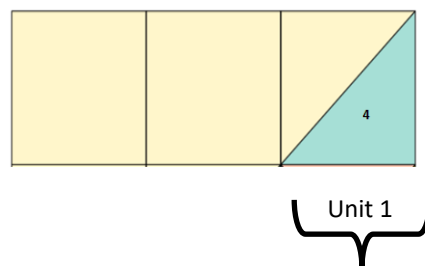
Four blocks will be pieced, then joined to create the focal piece. Each block follows the same piecing process. Blocks are rotated and joined to create the final diamond shape.

Note: Seam allowances are pressed open.



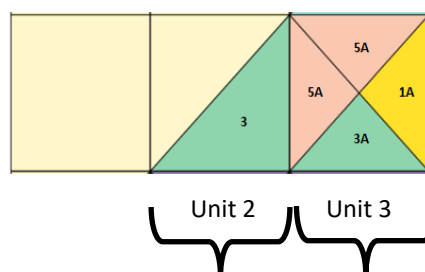
### Row 1:

- Stitch Background 1/2 square to Fabric (4) 1/2 square (Unit 1).
- Join 2 Background Squares to Unit 1.



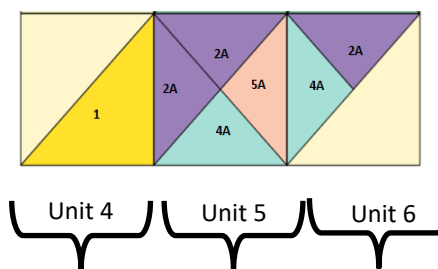
### Row 2:

- Stitch Background 1/2 Square to Fabric (3) 1/2 square (Unit 2)
- Join 5A to 1A to create a 1/2 Square.
- Join 5A to 3A to create a 1/2 Square.
- Join the two 1/2 squares to create Unit 3
- Join Background Squares, Unit 2 and Unit 3 as illustrated.



### Row 3

- Stitch Background 1/2 Square to Fabric (1) 1/2 Square (Unit 4)
- Join 2A to 5A to create 1/2 Square.
- Join 2A to 4A to create 1/2 Square.
- Join the two 1/2 squares to create Unit 5.
- Join 2A to 4A to create 1/2 Square.
- Join 1/2 Square to remaining Background 1/2 Square (Unit 6).
- Join Units 4-6 as illustrated.

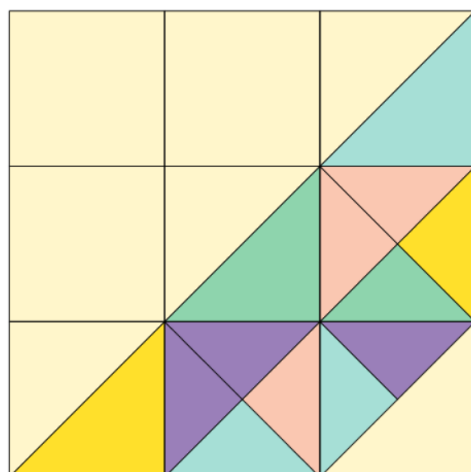




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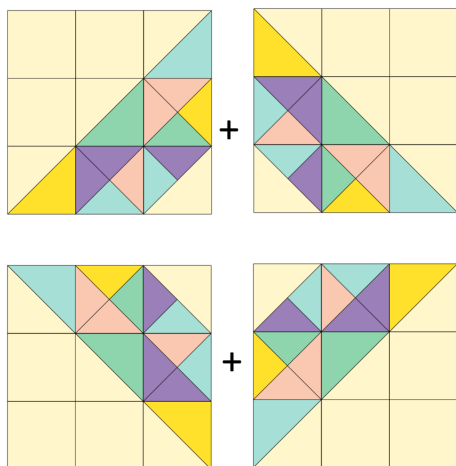
- Join the Rows.
- Repeat for a total of 4 blocks.



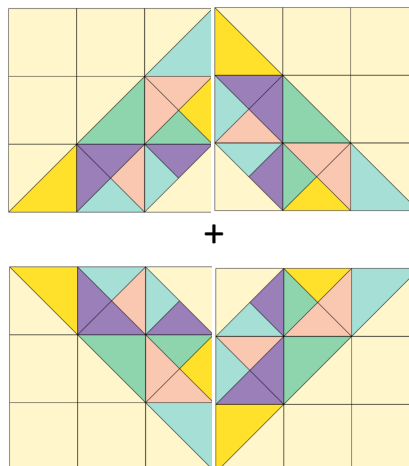
Completed Block 9 1/2"  
Make 4.

Join as illustrated.

- Step 1



- Step 2



Finished unit measures 18 1/2".





## Finishing

### Option 1: Traditional Quilt Finish

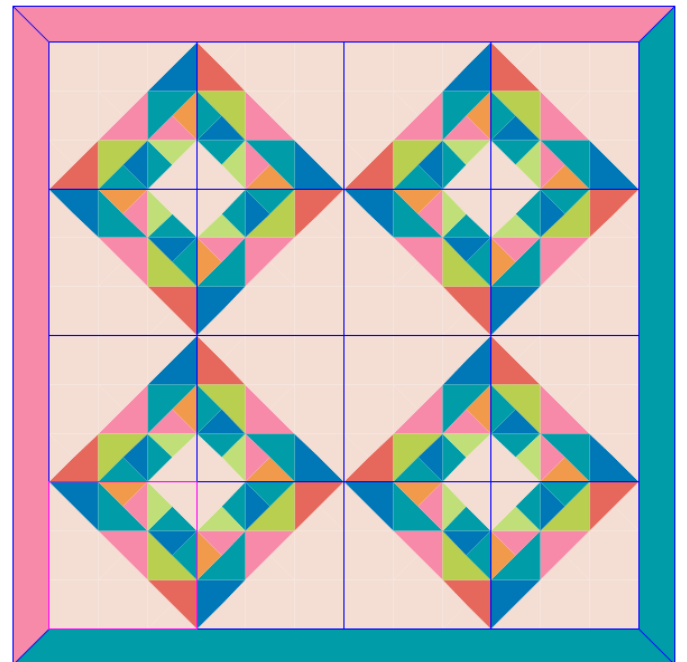
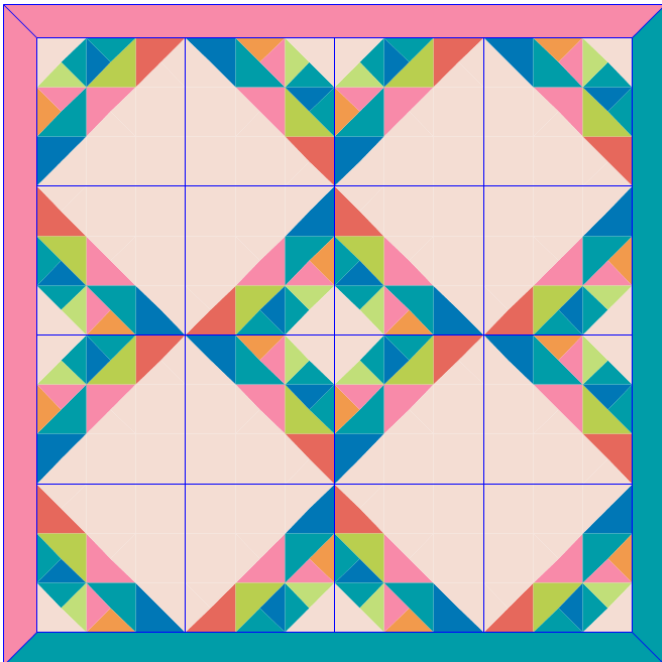
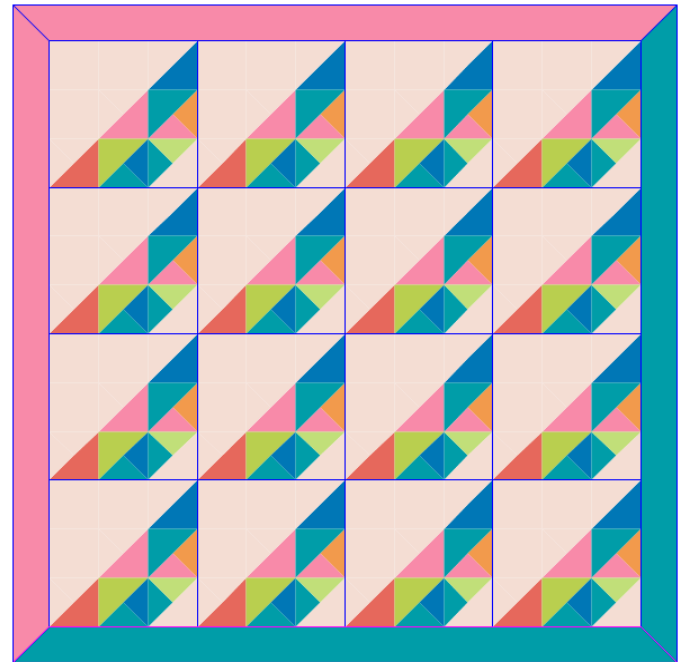
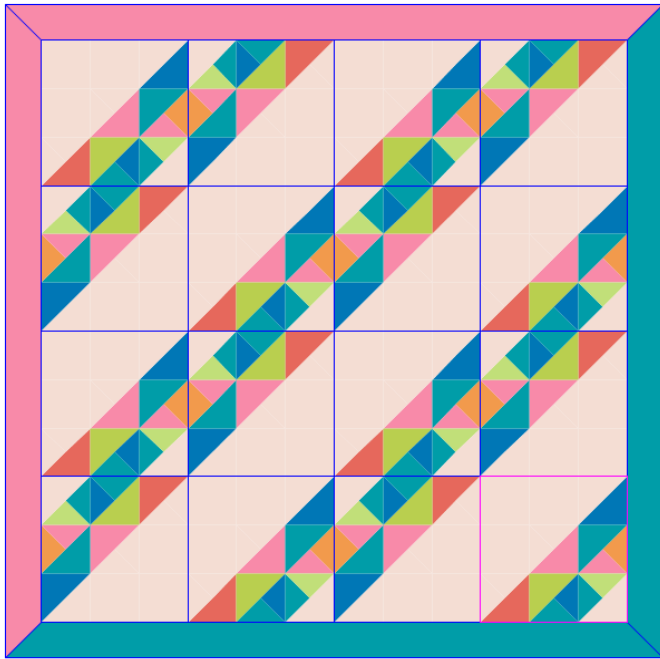
- Cut two border strips 2 1/2" x 18 1/2".
- Sew a border strip to each side of the quilt top.
- Cut two border strips 2 1/2" x 22 1/2".
- Sew a border strip to top and bottom edge of quilt top.
- Layer backing/batting/top. (wrong side of backing to batting/wrong side of top to batting to create traditional "quilt sandwich")
- Stitch in the ditch along main seam lines or as desired.
- Bind.



### Option 2: Pillow

- Cut two border strips 2 1/2" x 18 1/2".
- Sew a border strip to each side of the quilt top.
- Cut two border strips 2 1/2" x 22 1/2".
- Sew a border strip to top and bottom edge of quilt top.
- Cut two 22 1/2" x 29".
- Turn under 1" hemline along one 22 1/2" edge of each pillow back; press well.
- Turn back again, 5" along same edge; press well.
- Lay the pillow backs, right side up overlapping the folded edges to create a 22 1/2" square. Pin along the overlaps. Baste.
- Stitch the pillow front and pillow back, right sides together using 1/4" seam allowance. Clip corners and turn right side out through the overlap.
- Press well and insert pillow form.

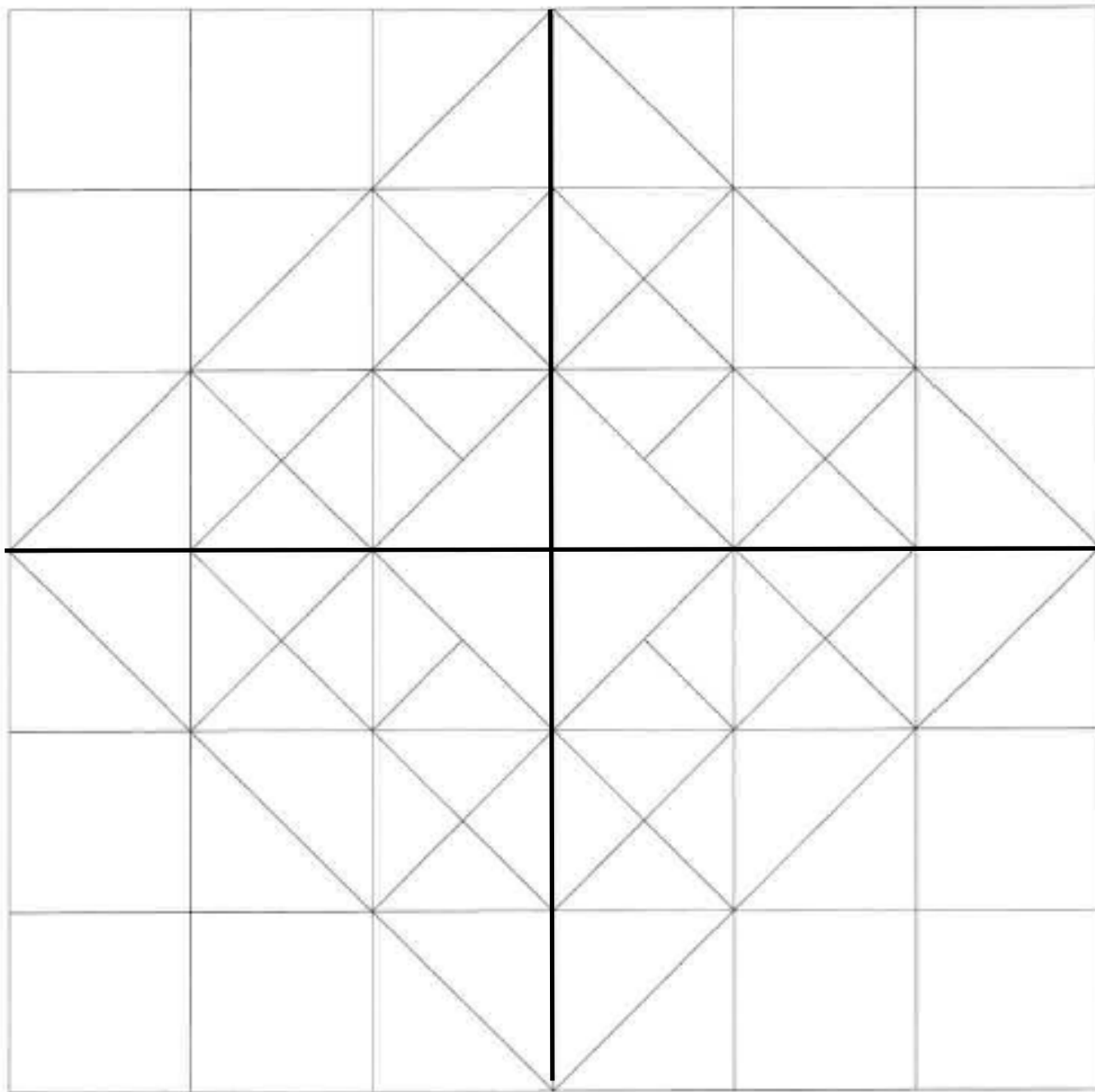




*Could there be more....*

Explore the versatility of the primer block with these layout options. Planned color ways, scrappy variations with light background fabrics and darks to create the contrasting portion of the block. Download the Primer Block.waf files to jump start your quilt layout.

Pro Tip: Let Design N Quilt do the math! Open the Primer Block.waf in Design N Quilt, input the desired finished block size. DNQ will calculate the sizes needed for the block pieces.



### **Primer Coloring Page**

Solid cross hair delineates each of the four blocks for the Primer Mini Quilt.