

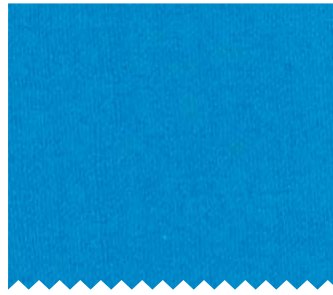
TRIGONOMETRY



FABRIC REQUIREMENTS



SC5333 GRAPE
COTTON COUTURE
1 YARD



SC5333 BLUE
COTTON COUTURE
2/3 YARD



SC5333 WAVE
COTTON COUTURE
1/2 YARD



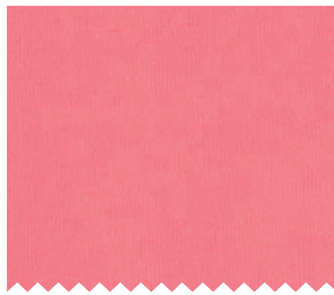
SC5333 ISLE
COTTON COUTURE
1/2 YARD



SC5333 SPROUT
COTTON COUTURE
1/2 YARD



SC5333 OZONE
COTTON COUTURE
3/4 YARD



SC5333 SHELL
COTTON COUTURE
1 YARD



SC5333 MELON
COTTON COUTURE
2/3 YARD



SC5333 BRIGHT WHITE
COTTON COUTURE
2 YARDS



BACKING AND BATTING
60 X 68 "

ALSO NEEDED:

THREADS TO MATCH • SCISSORS • STRAIGHT PINS
ROTARY CUTTER • ACRYLIC RULER • MAT

"Trigonometry"

Quilt by Emily Herrick

Size: Approximately 52" W x 60" H Skill Level : Intermediate

Materials

Fabric	Yardage	Cutting
SC5333 Bright White	2 yards	(8) 4 1/2" x WOF - (68) 4 1/2" x 4 1/2" (1) 4 1/2" x WOF - (2) 4 1/2" x 8 1/2" (2) 8 1/2" x WOF - (8) 8 1/2" x 8 1/2" (1) 12 1/2" x WOF - (1) 12 1/2" x 12 1/2"; (2) 8 1/2" x 12 1/2"
SC5333 Shell	1 yard	(2) 4 1/2" x WOF - (10) 4 1/2" x 4 1/2"; (2) 4 1/2" x 8 1/2" (1) 8 1/2" x WOF - (2) 8 1/2" x 8 1/2"; (1) 8 1/2" x 16 1/2" (1) 12 1/2" x WOF - (1) 12 1/2" x 12 1/2"; (1) 4 1/2" x 12 1/2"
SC5333 Grape	1 yard	(2) 4 1/2" x WOF - (11) 4 1/2" x 4 1/2" (1) 8 1/2" x WOF - (1) 8 1/2" x 8 1/2"; (1) 4 1/2" x 8 1/2" (8) 2 1/2" x WOF - For Binding
SC5333 Ozone	3/4 yard	(1) 4 1/2" x WOF - (9) 4 1/2" x 4 1/2" (1) 8 1/2" x WOF - (1) 8 1/2" x 8 1/2"; (2) 4 1/2" x 8 1/2" (1) 12 1/2" x WOF - (1) 12 1/2" x 12 1/2"; (1) 8 1/2" x 12 1/2"
SC5333 Melon	2/3 yard	(1) 4 1/2" x WOF - (7) 4 1/2" x 4 1/2"; (1) 4 1/2" x 8 1/2" (2) 8 1/2" x WOF - (3) 8 1/2" x 8 1/2"; (1) 8 1/2" x 16 1/2"; (1) 8 1/2" x 12 1/2"
SC5333 Blue	2/3 yard	(1) 4 1/2" x WOF - (6) 4 1/2" x 4 1/2" (2) 8 1/2" x WOF - (4) 8 1/2" x 8 1/2"; (1) 12 1/2" x 8 1/2"
SC5333 Wave	1/2 yard	(2) 4 1/2" x WOF - (8) 4 1/2" x 4 1/2"; (1) 4 1/2" x 12 1/2" (1) 8 1/2" x WOF - (1) 8 1/2" x 8 1/2"; (2) 12 1/2" x 8 1/2"
SC5333 Sprout	1/2 yard	(2) 4 1/2" x WOF - (7) 4 1/2" x 4 1/2"; (1) 4 1/2" x 12 1/2" (1) 8 1/2" x WOF - (1) 8 1/2" x 8 1/2"; (2) 4 1/2" x 8 1/2"
SC5333 Isle	1/2 yard	(1) 4 1/2" x WOF - (5) 4 1/2" x 4 1/2" (1) 8 1/2" x WOF - (1) 8 1/2" x 8 1/2"; (1) 8 1/2" x 8 1/2"

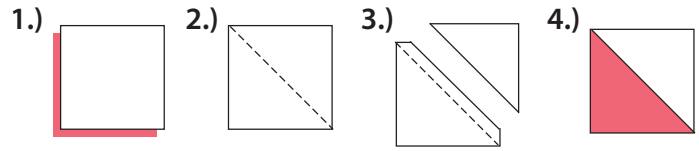
Also Needed:

60" x 68" backing, 60" x 68" batting, threads to match, scissors, straight pins, rotary cutter, acrylic ruler, mat.

These following instructions will be used frequently when making this quilt. Refer to the instructions for each technique to construct each quilt section.

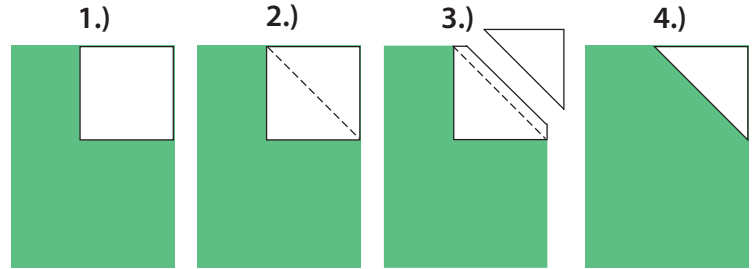
HST: Half- Square- Triangle

- 1.) Place two fabric squares right sides together.
- 2.) Stitch a diagonal line from corner to corner.
- 3.) Trim excess leaving 1/4" seam allowance.
- 4.) Open and press seam towards darker fabric.



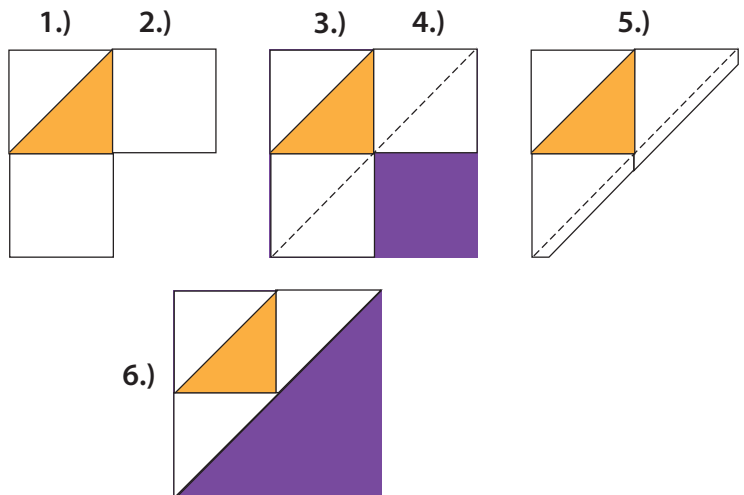
CST: Corner- Square- Triangle

- 1.) Place a small square of fabric in the corner of a larger piece of fabric.
 - 2.) Stitch a diagonal line from corner to corner.
 - 3.) Trim excess leaving a 1/4" seam allowance.
 - 4.) Open and press seam towards darker fabric.
- *Size of base fabric will vary in size. Refer to the quilt assembly diagram when needed. Some blocks will require CST's on two different corners.



BIA: Birds in the Air

- 1.) Begin with a HST unit and two white squares.
- 2.) Sew a white square to each side of the colored triangle.
- 3.) Place the pieced unit on top of a solid color square, right sides together.
- 4.) Stitch a diagonal from the outermost points as shown.
- 5.) Trim excess leaving a 1/4" seam allowance.
- 6.) Open and press seams towards the larger triangle.

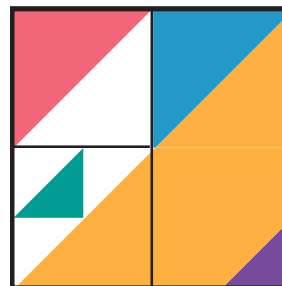


QUILT CONSTRUCTION

The quilt is divided into several sections forming vertical rows. Each section is outlined by a bold line and labeled with a bold letter.

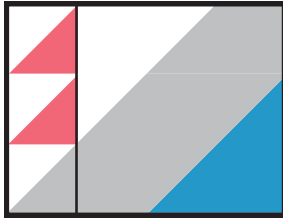
A

- HST: Shell 8 1/2" x 8 1/2" and White 8 1/2" x 8 1/2"
 CST: (3) White 4 1/2", Isle 4 1/2" and Melon 8 1/2"
 BIA: Melon 8 1/2" x 16 1/2", Blue 8 1/2" and Grape 4 1/2"

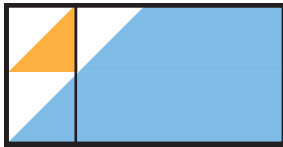


B

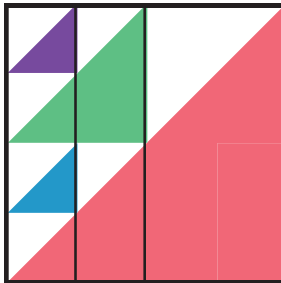
HST: (2) Shell 4 1/2", (1) Ozone 4 1/2", (3) White 4 1/2"
 CST: Ozone 12 1/2", White 8 1/2" and Blue 8 1/2"

**C**

HST: (2) White 4 1/2", (1) Wave 4 1/2", (1) Melon 4 1/2"
 CST: Wave 8 1/2" x 12 1/2" and White 4 1/2"

**D**

HST: (4) White 4 1/2", (1) Grape 4 1/2", (1) Sprout 4 1/2",
 (1) Blue 4 1/2"
 CST: Sprout 4 1/2" x 8 1/2" and White 4 1/2"
 CST: Shell 4 1/2" x 8 1/2" and White 4 1/2"
 CST: Shell 8 1/2" x 16 1/2" and White 8 1/2"

**E**

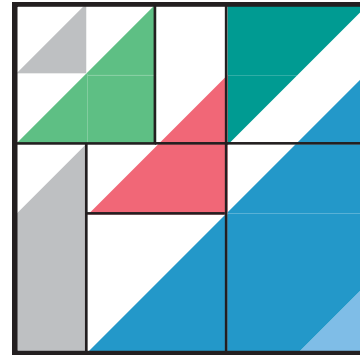
BIA: Melon 8 1/2", Wave 4 1/2" (2) White 4 1/2"
 BIA: White 8 1/2", White 4 1/2", Wave 4 1/2", Ozone
 4 1/2", Blue 4 1/2"



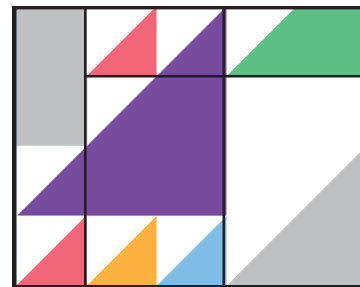
Sew sections A-E together to form a vertical row.

F

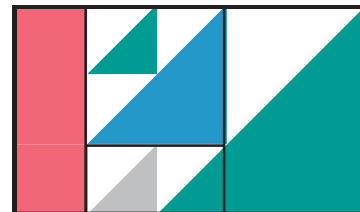
HST: Blue 8 1/2", White 8 1/2"
 CST: Ozone 4 1/2" x 12 1/2" and White 4 1/2"
 CST: Shell 4 1/2" x 8 1/2" and White 4 1/2"
 CST: White 4 1/2" x 8 1/2" and Shell 4 1/2"
 CST: Blue 8 1/2" x 12 1/2" and White 8 1/2", Wave 4 1/2"
 CST: Isle 8 1/2", White 8 1/2" and Blue 4 1/2"
 BIA: Sprout 8 1/2", Ozone 4 1/2", (3) White 4 1/2"

**G**

HST: (2) Shell 4 1/2", (2) Grape 4 1/2", Melon 4 1/2", Wave
 4 1/2", (6) White 4 1/2"
 CST: Sprout 4 1/2" x 8 1/2" and White 4 1/2"
 CST: Grape 8 1/2" x 8 1/2" and White 4 1/2"
 CST: White 8 1/2" x 12 1/2" and Ozone 8 1/2"
 Ozone 4 1/2" x 8 1/2"

**H**

HST: Ozone 4 1/2", Isle 4 1/2", (2) White 4 1/2"
 CST: Isle 8 1/2" x 12 1/2" and White 8 1/2"
 BIA: Blue 8 1/2", Isle 4 1/2" (3) White 4 1/2"
 Shell 4 1/2" x 12 1/2"



I

HST: (2) Wave 4 1/2", (2) Ozone 4 1/2", (2) grape 4 1/2", (2) Melon 4 1/2", Blue 4 1/2", Shell 4 1/2", Sprout 4 1/2", (11) White 4 1/2"
 HST: Shell 4 1/2" and Sprout 4 1/2"
 Ozone 4 1/2" and 4 1/2" x 8 1/2"



Sew sections F-I together to form vertical row #2.

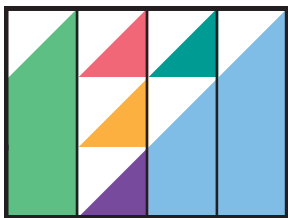
J

CST: White 8 1/2" x 12 1/2", Melon 8 1/2", Ozone 4 1/2"
 CST: Ozone 8 1/2" x 12 1/2", White 8 1/2", Grape 4 1/2"



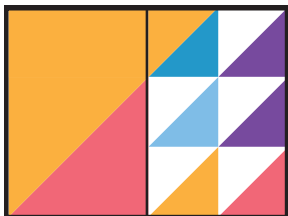
K

HST: Shell 4 1/2", Melon 4 1/2", Grape 4 1/2", Isle 4 1/2", (4) White 4 1/2"
 CST: Sprout 4 1/2" x 12 1/2" and White 4 1/2"
 CST: Wave 4 1/2" x 8 1/2" and White 4 1/2"
 CST: Wave 4 1/2" x 12 1/2" and White 4 1/2"



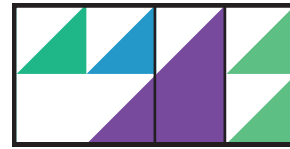
L

HST: (2) Grape 4 1/2", Melon 4 1/2", Shell 4 1/2", Wave 4 1/2", (5) White 4 1/2"
 HST: Blue 4 1/2" and Melon 4 1/2"
 CST: Melon 8 1/2" x 12 1/2" and Shell 8 1/2"



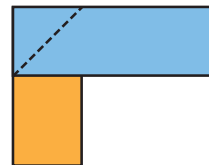
M

HST: (3) Sprout 4 1/2", Blue 4 1/2", (4) White 4 1/2"
 CST: Grape 4 1/2" x 8 1/2" and White 4 1/2"
 CST: White 4 1/2" x 8 1/2" and Grape 4 1/2"
 Ozone 4 1/2" and 4 1/2" x 8 1/2"

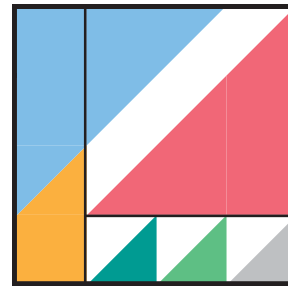


N

HST: Isle 4 1/2", Sprout 4 1/2", Ozone 4 1/2", (3) White 4 1/2"
 CST: White 12 1/2", Shell 12 1/2" and Wave 8 1/2"
 Melon 4 1/2" x 8 1/2" and White 4 1/2" x 12 1/2"



**Place the wave rectangle on the melon rectangle as shown. Stitch a diagonal line. Trim excess leaving a 1/4" seam allowance. Press open.*



Sew sections J-N together to form vertical row #3.

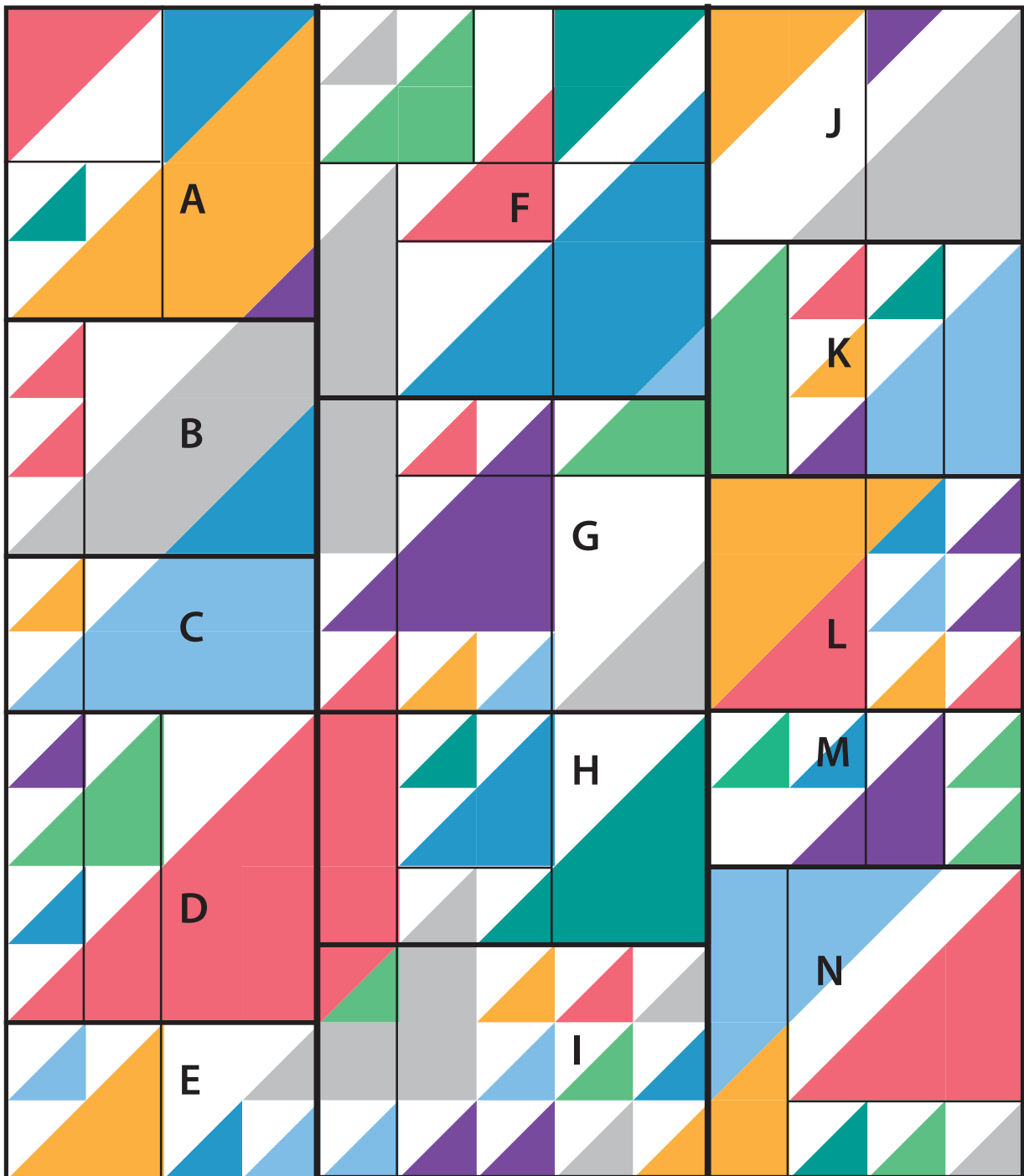
Sew rows 1, 2 and 3 together. Press quilt top well.

Layer backing, batting and quilt top. Baste.

Quilt as desired.

Join binding strips together as needed. Bind.

Quilt Assembly Diagram



Disclaimer:

This pattern is provided as a courtesy to quilt stores, catalogs, and quilters. Michael Miller Fabrics, LLC is not responsible for the accuracy of any kits packaged to accompany this pattern. Please direct any inquiries to the kit maker.

Yardage requirements for this pattern may allow for excess yardage to accommodate specific placement of motifs or to allow for any fussy-cutting to achieve the finished quilt design.

While every attempt has been made to give accurate measurements, yardage requirements, and construction directions; this does not allow for personal variations in measuring, cutting and/or sewing. The enclosed directions were used in the construction of the original quilt.