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Skill Level: Intermediate



Finished Quilt Size: $837 / 8$ " x $1061 / 2 "$
( $213.05 \mathrm{~cm} \times 270.51 \mathrm{~cm}$ )
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www.henryglassfabrics.net
Please check our website for pattern updates before starting this project.

## KINETIC GEOMETRICS

## Fabrics in the Collection



Tumbling Blocks Blue Multi - 3090-77


Quasar Stars Red Multi - 3091-88


Puzzle Pieces
Black, Gray and White - 3092-99


Zig Zag Collage Blue Multi - 3094-77


Spots
Red Multi - 3095-88


Dotty Plaid
Black, Gray and White - 3096-99

Select Fabrics from Modern Melody Basics \& Whimsy Basics


Modern Melody Basics Pigment White 1063-01W


Modern Melody Basics Purple 1063-57


Modern Melody Basics Silver Gray 1063-90


Modern Melody Basics
White/Black
1063-09


Modern Melody Basics Lime 1063-64


Modern Melody Basics Black 1063-99


Modern Melody Basics
Orange
1063-34


Modern Melody Basics
Grass Green 1063-67


Whimsy Basics Light Blue 8945-17


Whimsy Basics Dove Gray 8945-90

## Cutting Instructions

Please note: All strips are cut across the width of fabric (WOF) from selvage to selvage edge unless otherwise noted.

From the Tumbling Blocks - Red Multi (A), cut:

- (1) $41 / 2 " \mathrm{x}$ WOF strip. Sub-cut (6) $41 / 2 "$ squares.

From the Quasar Stars - Red Multi (B), cut:

- (1) $47 / 8 " x$ WOF strip. Sub-cut (4) $47 / 8 "$ squares and (3) $41 / 2 "$ squares.

From the Puzzle Pieces - Red Multi (C), cut:

- (1) $41 / 2 " x$ WOF strip. Sub-cut (3) $41 / 2 "$ squares.

From the Shadow Dots - Red Multi (D), cut:
-(1) $47 / 8^{\prime \prime}$ x WOF strip. Sub-cut (4) $47 / 8$ " squares and (3) $41 / 2 "$ squares.

From the Zig Zag Collage - Red Multi (E), cut:

- (1) $41 / 2 " \mathrm{x}$ WOF strip. Sub-cut (3) $41 / 2 "$ squares.

From the Spots - Red Multi (F), cut:

- (1) $41 / 2 " \times$ WOF strip. Sub-cut (3) $41 / 2 "$ squares.

From the Dotty Plaid - Red Multi (G), cut:

- (1) $41 / 2 " \times$ WOF strip. Sub-cut (3) $41 / 2 "$ squares.

From the Modern Melody Basics - White/Black (H), cut:

- (5) $47 / 8 " \times$ WOF strips. Sub-cut (40) $47 / 8>$ squares.
- (7) $41 / 2 " \times$ WOF strips. Sub-cut (60) $41 / 2 "$ squares.

From the Quasar Stars - Blue Multi (I), cut:

- (1) $47 / 8 "$ x WOF strip. Sub-cut (6) $47 / 8 "$ squares.

From the Puzzle Pieces - Blue Multi (J), cut:

- (2) $47 / 8 " x$ WOF strips. Sub-cut (9) $47 / 8 "$ squares.

From the Shadow Dots - Blue Multi (K), cut:

- (1) $47 / 8 "$ x WOF strip. Sub-cut (6) $47 / 8 "$ squares.

From the Zig Zag Collage - Blue Multi (L), cut:

- (1) $47 / 8 "$ x WOF strip. Sub-cut (3) $47 / 8 "$ squares.

From the Dotty Plaid - Blue Multi (M) cut:

- (2) $47 / 8 " \times$ WOF strips. Sub-cut (9) $47 / 8^{\prime \prime}$ squares.

From the Spots - Blue Multi (N), cut:

- (1) $47 / 8 " x$ WOF strip. Sub-cut (7) $47 / 8 "$ squares.

From the Shadow Dots - Black, Gray and White (O), cut:

- (1) $47 / 8 "$ x WOF strip. Sub-cut (4) $47 / 8^{7 \prime}$ squares.
- (1) $41 / 2 " \times$ WOF strip. Sub-cut (3) $41 / 2 " \times 81 / 2 "$ strips.


## KINETIC GEOMETRICS

## Quilt 2

## Cutting Instructions - Continued

Please note: All strips are cut across the width of fabric (WOF) from selvage to selvage edge unless otherwise noted.

From the Zig Zag Collage - Black, Gray and White (P), cut:

- (1) $47 / 8^{\prime \prime}$ x WOF strip. Sub-cut (4) $47 / 8^{\prime \prime}$ squares.
-(1) $4 \frac{1}{2}$ " x WOF strip. Sub-cut (3) $41 / 2 "$ x $81 / 2 "$ strips.
From the Modern Melody Basics - Pigment White (Q), cut:
- (2) $41 / 2 " x$ WOF strips. Sub-cut (12) $41 / 2 "$ squares.
- (9) $21 / 2 " \times$ WOF strips for the Inner Borders.

From the Modern Melody Basics - Silver Gray (R), cut: - (2) $41 / 2 " x$ WOF strips. Sub-cut (12) $41 / 2 "$ squares.

From the Puzzle Pieces - Black, Gray and White (S), cut: -(2) $4 \frac{1}{2} / 2 \times$ WOF strips. Sub-cut (6) $41 / 2 " \times 81 / 2 "$ strips.

From the Spots - Black, Gray and White (T), cut: -(1) $4 \frac{1}{2 \prime \prime}$ x WOF strip. Sub-cut (3) $41 / 2 " \times 81 / 2 "$ strips.

From the Dotty Plaid - Black, Gray and White (U), cut: -(1) $41 / 2 " x$ WOF strip. Sub-cut (3) $41 / 2 " \times 81 / 2 "$ strips.

From the Tumbling Blocks - Black, Gray and White (V), cut: - (1) $41 / 2 " \times$ WOF strip. Sub-cut (3) $41 / 2 " \times 81 / 2 "$ strips.

From the Quasar Stars - Black, Gray and White (W), cut: -(1) $41 / 2 " \times$ WOF strip. Sub-cut (3) $41 / 2 " \times 81 / 2 "$ strips.

From the Tumbling Blocks - Blue Multi (X), cut:

- (2) $61 / 2 " \times 99 "$ Length of Fabric (LOF) strips.
- From the remaining fabric, cut (7) $61 / 2 " \times$ WOF strips for the Outer Top Border and Outer Bottom Border.

From the Modern Melody Basics - Black (Y), cut:

- (10) $21 / 2 " \times$ WOF strips for the binding.

From the Modern Melody Basics - Grass Green (Z), cut: - (1) $16^{7 / 8 "}$ x WOF strip. Sub-cut (1) $167 / 8 "$ square and
(1) $121 / 4$ " square. Cut the $121 / 4 "$ square across (1) diagonal to make (2) $12 \frac{1}{4} "$ triangles.

From the Modern Melody Basics - Lemon (AA), cut:

- (1) $237 / 8$ x WOF strip. Sub-cut (1) $237 / 8 "$ square. Cut the square across both diagonals to make (4) $237 / 8$ " triangles. Note: Only (1) 23 7/8" triangle will be used.
- (1) $167 / 8 "$ x WOF strip. Sub-cut (1) $167 / 8 "$ square and (1) $121 / 4 "$ square. Cut the $121 / 4 "$ square across (1) diagonal to make (2) $121 / 4 "$ triangles.

From the Modern Melody Basics - Lime (BB), cut:

- (1) $237 / 8 "$ x WOF strip. Sub-cut (1) $237 / 8 "$ square and (1) $167 / 8$ square. Cut the $237 / 8$ " square across both diagonals to make (4) $237 / 8 "$ triangles. Note: You will only use (2) $237 / 8$ triangles.

From the Melody Basics - Orange (CC), cut:

- (1) $167 / 8 "$ x WOF strip. Sub-cut (2) $167 / 8 "$ squares.

From the Melody Basics - Purple (DD), cut:

- (1) $237 / 8 " x$ WOF strip. Sub-cut (1) $237 / 8 "$ square and (1) $12 \frac{1}{4}$ square. Cut the $237 / 8$ " square across both diagonals to make (4) $237 / 8$ " triangles. Note: You will only use (2) $237 / 8$ " triangles. Cut the $121 / 4$ " square across (1) diagonal to make (2) $121 / 4 "$ triangles.

From the Modern Melody Basics - Fuchsia (EE), cut: - (1) $167 / 8 "$ x WOF strip. Sub-cut (2) $167 / 8 "$ squares.

- (1) $121 / 4 "$ square. Cut the square across (1) diagonal to make (2) $121 / 4 "$ triangles.

From the Modern Melody Basics - True Blue (FF), cut:

- (1) $237 / 8 " x$ WOF strip. Sub-cut (1) $237 / 8$ square and (1) $167 / 8$ " square. Cut the $237 / 8$ " square across both diagonals to make (4) $237 / 8$ " triangles. Note: You will only use (1) $237 /{ }^{\prime \prime}$ triangle.
- (1) $121 / 2$ " square. Cut the square across (1) diagonal to make (2) $121 / 4 "$ triangles.

From the Modern Melody Basics - Navy (GG), cut: - (1) $167 / 8 "$ x WOF strip. Sub-cut (2) $167 / 8 "$ squares. - (1) $121 / 4 "$ square. Cut the square across (1) diagonal to make (2) $121 / 4$ " triangles.

From the Dotty Plaid - Blue Multi (Backing), cut:

- (3) 92 " x WOF strips for the backing. Sew the strips together and trim to make the $92^{\prime \prime} \times 115 "$ back.


## Block Assembly

Note: Pay attention to the unit orientations when assembling the various components. Use a $1 / 4$ " seam allowance with right sides together (RST) unless otherwise noted.

1. Sew together (1) $121 / 4 "$ Fabric AA triangle and (1) $121 / 4 "$ Fabric EE triangle along short sides to make (1) Block One triangle (Fig. 1).
2. Repeat Step 1 and refer to Figures 2-4 for fabric identification and placement to make (1) Block Two triangle, (1) Block


Fig. 1 Three triangle and (1) Block Four triangle.


Fig. 2
3. Place (1) $167 / 8 "$ Fabric $Z$ square on top of (1) $167 / 8$ " Fabric CC square, right sides together. Draw a line across the diagonal of the top square (Fig. 5). Sew $1 / 4$ " away from each side of the drawn diagonal line (Fig. 5). Cut the (2) squares apart on the drawn diagonal line (Fig. 6) to make (2) half-square triangles. Trim the half-square triangles to measure $16 \frac{1}{2}$ " square to make

## (2) Block Five squares (Fig. 7).



Fig. 5


Fig. 6


Fig. 7
4. Repeat Step 3 and refer to Figures 8-11 for component identification and placement to make (2) of each block square for Block Six through Block Nine. Note: Only (1) block square of each unit will be used.

| Block Six make 2 use 1 | Block Seven make 2 use 1 | Block Eight make 2 use 1 | Block Nine make 2 use 1 |
| :---: | :---: | :---: | :---: |
| $\mathrm{EE}$ |  |  |  |
| Fig. 8 | Fig. 9 | Fig. 10 | Fig. 11 |

5. Sew together (1) $41 / 2 "$ Fabric A square, (1) $41 / 2 "$ Fabric H square, (1) $41 / 2 "$ Fabric B square and (1) $41 / 2 "$ Fabric H square in that order from left to right, to make Row One (Fig. 12).
6. Repeat Step 5 and refer to Figure 12 for fabric identification and placement to make Row Two, Row Three and Row Four.
7. Sew together the (4) rows from Steps 5-6, lengthwise and in numerical order from top to bottom, to make the $16 \frac{1 / 2 "}{}$ Block Ten square.
8. Repeat Steps 5-7 to make (3) Block Ten squares total.


Fig. 12
9. Place (1) $47 / 8$ " Fabric H square on top of (1) $47 / 8$ " Fabric I square, right sides together. Draw a line across the diagonal of the top square (Fig. 13). Sew $1 / 4$ " away from each side of the drawn diagonal line (Fig. 13). Cut the (2) squares apart on the drawn diagonal line (Fig. 14) to make (2) half-square triangles. Trim the half-square triangles to measure $41 / 2 \prime 2$ square to make (2) Unit 1 squares (Fig. 15). Repeat to make (12) Unit 1 squares total.


Fig. 13


Fig. 14


Fig. 15
10. Repeat Step 9 and refer to Figures 16-19 for fabric identification and placement to make the designated number of unit squares for Unit 2 through Unit 5. Note: Not all unit squares will be used.

| Unit 2 <br> make 10 <br> use 9 | Unit 3 | Unit 4 | Unit 5 |
| :---: | :---: | :---: | :---: |
| make 10 |  |  |  |

11. Sew together (1) Unit 1 square, (1) Unit 2 square, (1) Unit 3 square and (1) Unit 4 square, in that order from left to right, to make Row One (Fig. 20).
12. Repeat Step 11 and refer to Figure 20 for component identification, placement and orientation to make Row Two, Row Three and Row Four.
13. Sew together the (4) rows from Steps 11-12, lengthwise and in numerical order from top to bottom, to make the $161 / 2$ " Block Eleven square.


Fig. 20

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15. Place (1) $47 / 8$ " Fabric H square on top of (1) $47 / 8$ " Fabric M square, right sides together. Draw a line across the diagonal of the top square (Fig. 21). Sew $1 / 4$ " away from each side of the drawn diagonal line (Fig. 21). Cut the (2) squares apart on the drawn diagonal line (Fig. 22) to make (2) half-square triangles. Trim the half-square triangles to measure $41 / 2 "$ square to make (2) Unit 6 squares (Fig. 23). Repeat to make (4) Unit 6 squares total.


Fig. 21


Fig. 22


Fig. 23
16. Repeat Step 15 and refer to Figures $24-33$ for fabric identification and placement to make the indicated number of unit squares for Unit 7 through Unit 16. Note: Not all unit squares will be used.

|  | Unit 8 <br> Unit 7 <br> make 4 | Unit 9 <br> make 4 | Unit 10 <br> make 4 | Unit 11 <br> make 4 |
| :---: | :---: | :---: | :---: | :---: |
| make 6 | use 3 |  |  |  |
| use 3 |  |  |  |  |

17. Sew together (1) $41 / 2 "$ Fabric H square, (1) Unit 6 square, (1) Unit 7 square and (1) $41 / 2 "$ Fabric H square, in that order from left to right, to make Row One (Fig. 34).
18. Repeat Step 17 and refer to Figure 34 for component identification, placement and orientation to make Row Two, Row Three and Row Four.
19. Sew together the (4) rows from Steps 17-18, lengthwise and in numerical order from the top to the bottom, to make the $161 / 2 "$ Block Twelve square (Fig. 34).
20. Repeat Steps 17-19 to make (3) Block Twelve squares total.


Fig. 34
21. Place (1) $4^{1 / 2 "}$ Fabric $H$ square on the left side of (1) $41 / 2 " \times 81 / 2 "$ Fabric V strip, right sides together (Fig. 35). Sew across the diagonal of the square from the upper right corner to the lower left corner (Fig. 35). Flip open the triangle formed and press. Trim away the excess fabric from behind the triangle, leaving a $1 / 4$ " seam allowance (Fig. 36).


Fig. 35


Fig. 36
22. Place (1) $41 / 2^{\prime \prime}$ Fabric $R$ square on the right side of the $41 / 2 " \times 81 / 2 "$ Fabric V strip, right sides together (Fig. 37). Sew across the diagonal of the square from the upper left corner to the lower right corner (Fig. 37). Flip open the triangle formed and press. Trim away the excess fabric from behind the triangle, leaving a $1 / 4$ " seam allowance to make (1) Unit 17 strip (Fig. 38).
23. Repeat Steps 21-22 to make
(3) Unit 17 strips total.


Fig. 37

Unit 17 make 3


Fig. 38
24. Repeat Steps 21-22 and refer to Figures 39-41 for fabric identification, placement and seam direction to make (3) of each unit strip for Unit 18 through Unit 20.

Unit 18
make 3


Fig. 39

Unit 19
make 3


Fig. 40

Unit 20
make 3


Fig. 41

## KINETIC GEOMETRICS

Quilt 2
25. Place (1) $41 / 2 "$ Fabric H square on the left side of (1) $41 / 2 " \times 81 / 2^{\prime \prime}$ Fabric W strip, right sides together (Fig. 42). Sew across the diagonal of the square from the upper left corner to the lower right corner (Fig. 42). Flip open the triangle formed and press. Trim away the excess fabric from behind the triangle, leaving a $1 / 4$ " seam allowance (Fig. 43).


Fig. 42


Fig. 43
26. Place (1) $41 / 2$ " Fabric $Q$ square on the right side of the $41 / 2 " \times 81 / 2 "$ Fabric $W$ strip, right sides together (Fig. 44). Sew across the diagonal of the square from the upper left corner to the lower right corner (Fig. 44). Flip open the triangle formed and press. Trim away the excess fabric from behind the triangle, leaving a $1 / 4$ " seam allowance to make (1) Unit 21 strip (Fig. 45).
27. Repeat Steps 25-26 to make (3) Unit 21 strips total.


Fig. 44

Unit 21
make 3


Fig. 45
28. Repeat Steps 25-26 and refer to Figures 46-48 for fabric identification, placement and seam direction to make (3) of each unit strip for Unit 22 through Unit 24.


Fig. 46

Unit 23
make 3


Fig. 47

Unit 24
make 3


Fig. 48

Unit 25
make 3


Fig. 49
30. Repeat Step 29 and refer to Figures 50-52 for component identification, placement and orientation to make (3) of each unit square for Unit 26 through Unit 28.


Fig. 50


Fig. 51

Unit 28 make 3


Fig. 52
31. Sew (1) Unit 25 square to the left side of (1) Unit 26 square to make the top row. Sew (1) Unit 27 square to the left side of (1) Unit 28 square to make the bottom row. Sew together the (2) rows lengthwise to make (1) $121 / 2 "$ Block Thirteen square (Fig. 53). Repeat to make (3) Block Thirteen squares total.


Fig. 53
32. Sew (1) $121 / 4 "$ Fabric $Z$ triangle to the top of (1) Unit 10 square. Sew (1) $237 / 8>$ Fabric BB triangle to the left side of the Block Ten square. Sew (1) Block One triangle to the right side of the Block Ten square to make Row One (Fig. 54).
33. Sew together (1) $237 / 8 "$ Fabric DD triangle, (1) Block Twelve square, (1) Block Five square, (1) Block Eleven square and (1) Block Two triangle, in that order from left to right, to make Row Two (Fig. 54).
34. Sew together (1) $237 / 8 "$ Fabric FF triangle, (1) Block Eleven square, (1) Block Six square, (1) Block Thirteen square, (1) Block Seven square, (1) Block Twelve square and (1) $121 / 4 "$ Fabric FF triangle, in that order from left to right, to make Row Three.
35. Repeat Step 34 and refer to Figure 54 for component identification, placement and orientation to make Row Four.
36. Repeat Step 33 and refer to Figure 54 for component identification, placement and orientation to make Row Five.
37. Repeat Step 32 and refer to Figure 54 for component identification, placement and orientation to make Row Six.

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Quilt 2
38. Sew together the (6) Rows from Steps 32-37, lengthwise and in numerical order from top to bottom, to make the Center Block (Fig. 54). Our block measured 67 \%/8" 90 \%/8".

## Quilt Top Assembly

(Follow the Quilt Layout while assembling the quilt top.) 39. Sew together (5) $21 / 2 " \times$ WOF Fabric $Q$ strips end to end with diagonal seams. Measure the sides of the Center Block and cut (2) $21 / 2 "$ Fabric Q strips to that length. Sew (1) strip to each side of the Center Block.
40. Sew together (4) $21 / 2 " \times$ WOF Fabric Q strips end to end with diagonal seams. Measure the top and bottom of the Center Block and cut (2) $21 / 2 "$ Fabric Q strips to that length. Sew the strips to the top and to the bottom of the Center Block.
41. Measure the sides of the Center Block. Trim (2) $61 / 2 " \times 99 "$ Fabric X LOF strips to that length. Sew (1) strip to each side of the Center Block.
42. Sew together (7) $61 / 2$ " $\times$ WOF Fabric X strips end to end with diagonal seams. Measure the top and bottom of the Center Block and cut (2) strips to that length. Sew the strips to the top and to the bottom of the Center Block to make the quilt top.
43. Layer and quilt as desired.
44. Sew the (10) $21 / 2 " \mathrm{x}$ WOF Fabric Y strips together, end to end with 45 -degree seams, to make the binding. Fold this long strip in half lengthwise with wrong sides together and press.
45. Bind as desired.


Fig. 54


