Hills and Valleys Mystery Quilt
Designed in honor of the Lodi Valley Quilter's Guild's 10th Anniversary
by Kelly Kroon
2016

Fabric Requirements
Background (light)   1 yard
Medium   1 yard
Dark   1 yard
Accent 1 yard
Border 1 ¼ yard
Binding   ½ yard

Color suggestions:
Dark blue, medium blue with a cream background and red accent Dark brown, tan, with a beige background and orange accent Black, chartreuse with a gray background and hot pink accent Red, royal blue with a white background and yellow accent

Finished block size: 9", finished quilt size 66" x 66"

Cutting Instructions
Background:
cut three 9 ⅞" strips
subcut into 12 9 ⅞" squares
subcut each square in half on the diagonal, giving you 24 half-square triangles

Dark and Medium:
cut one 9 ⅞" strip, one 10 ¼" strip, and two 6 ½" strips
from the 9 ⅞" strip, cut four 9 ⅞" squares
from the 10 ¼" strip, cut two 10 ¼" squares and two 9 ⅞" squares
from the 6 ½' strips, cut eight 6 ½" squares
subcut the 9 ⅞" squares in half on the diagonal, giving you 12 half-square triangles

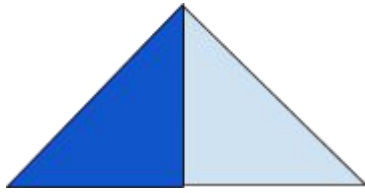subcut the 10 ¼" squares on both diagonals, giving you eight quarter-square   triangles

Accent:
cut two 9 ⅞" strips
from these strips, cut eight 9 ⅞" squares
subcut the 9 ⅞" squares in half on the diagonal, giving you 16 half-square triangles

Clue 1:

Sew a medium quarter-square triangle to a dark quarter square triangle. You will have eight pairs.

Sew the pairs together to make four hourglass blocks. Blocks should measure 9 ½" unfinished.

LVQG Hills and Valleys Mystery Quilt Clue 2

You will need the half-square triangles you cut.   We will be sewing them into blocks.

Sew a dark half-square triangle to a background half-square triangle. You will make a total of four. These blocks should measure 9 ½" unfinished. Repeat to make four medium/background half-square triangle blocks.

Sew a dark half-square triangle to a medium half-square triangle. You will make a total of eight. These blocks should measure 9 ½" unfinished.
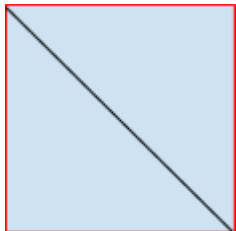
Sew a background half-square triangle to an accent half-square triangle. You will make a total of sixteen. These blocks should measure 9 ½" unfinished. You will need these blocks for clue 3 next month.
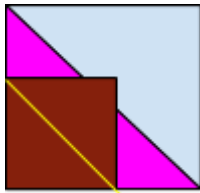
LVQG Hills and Valleys Mystery Quilt Clue 3

You will need the sixteen blocks made up of the background half-square triangles and the accent half-square triangles. You will also need the eight dark and eight medium 6 ½" squares.
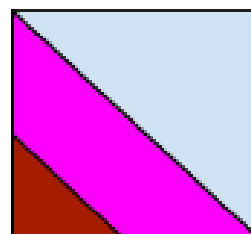
The medium and dark squares will be added onto the corner of the sixteen background/accent, snowball-style. Mark the diagonal of the medium and dark squares. This will be your sewing line.

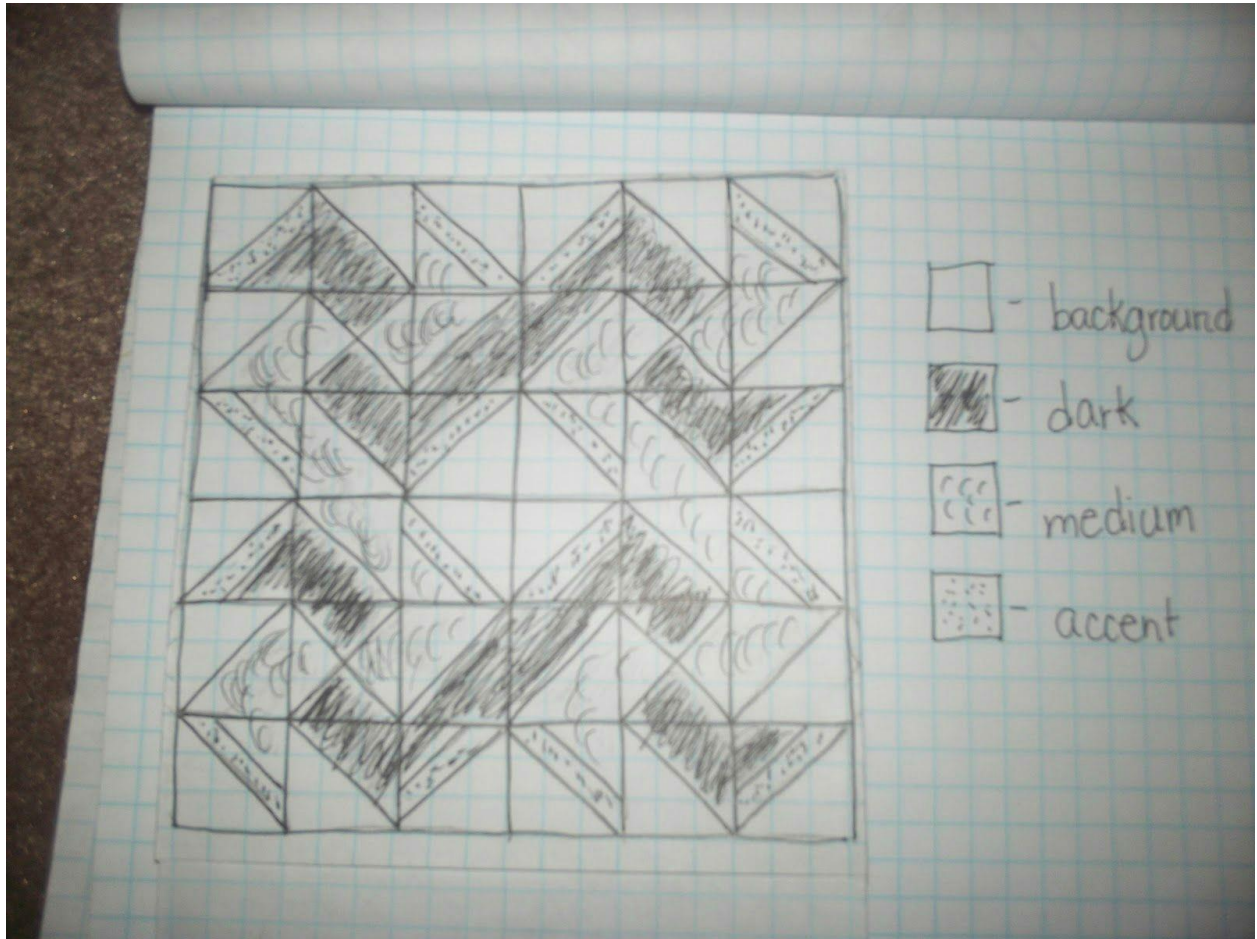Place a dark or medium square on the corner of the accent and sew on the line.

Trim the corner, then press. Finished Block

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Now you get to put the top together! Next month is the borders.

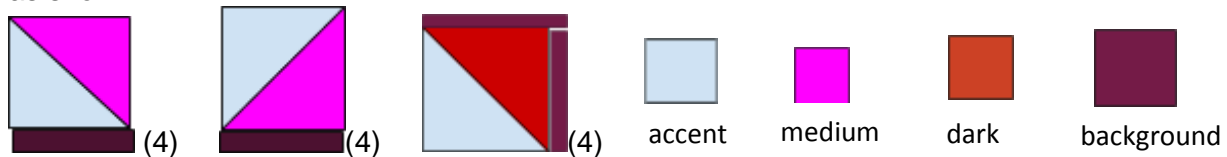

So here is the layout.

 This is what it looks like in real life.

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There are three border options. I have listed them in order of difficulty--easiest to most difficult. The border piece dimensions I have noted below are based on the mathematical measurements of the quilt. Your quilt center should measure 54 ½" x 54 ½". If it does not measure this, you will need to adjust the border measurements accordingly.

Border 1--from border fabric, cut six 6 ½" strips. You will need two borders that measure 6 ½" x 54 ½" and two that measure 6 ½" x 66 ½". Piece the strips as needed. Sew the 54 ½" strips on each side of the quilt and the 66 ½" strips on the top and bottom.

Border 2--Use the triangle cutaways from the accent blocks in step
3. Sew an accent triangle to a dark or medium triangle. You will need four with the dark and accent, and eight with the medium and accent. Trim these to 5 ½". From the border fabric, cut twelve 1 ½" x 5 ½" strips and four 1 ½" x 6 ½" strips. Sew these strips to the half-square triangles as shown:

(4)   (4)   (4)   accent   medium   dark   background

From the background, cut four 6 ½" x 44 ½" pieces.
Sew an accent/medium half-square triangle to an accent/dark triangle. You will have four sets. Then, sew each set onto opposite ends of a 44 ½" border piece. You will have two border pieces. Sew an accent/medium half-square triangle to opposite ends of a 44½" border piece.
Sew the border pieces with just the single half-squares onto the sides of the quilt. Sew the remaining pieces to the top and bottom of the quilt.
If you can't square your half-squares up to 5 ½", square them to whatever size works for you. You will need to adjust the size of the border strips sewn onto the half-squares and the length of the 6 ½" border pieces.

Border 3--This one is definitely a challenge!
From the accent fabric, cut three 2 ⅝" strips. Cut eight 5" pieces and eight 11 ½" pieces. You will

need to cut each end of the 11 ½" piece at a 45 degree angle.
The 5" pieces need to have a 45 degree angle cut, as well. Four need to start at the lower left and four need to start at the lower left.

From the border fabric, cut four 6 ⅞" squares, subcut on the diagonal. Cut two 7 ¼" squares, subcut on both diagonals. Cut two 4¼" squares, and subcut on both diagonals. Cut four 9 ½" x 6 ½" pieces, cut four 15 ½" x 6 ½" pieces, cut four 18 ½" x 6 ½" pieces.

You will need to piece four each of the following:

The diagonal pieces are the accent fabric and the remaining pieces are from the border fabric.

Follow the full quilt diagram when sewing the border pieces to the pieced border pieces. I put the side borders on first, so the pieced border pieces for the sides have the 9 ½" x 6 ½" pieces sewn on them. The top and bottom borders will have the 15 ½" x 6 ½" pieces sewn on. In this picture, the top is border three. The lower drawing is one corner of border two.