Fibonacci Spiral

Throw Quilt: 53 x 73 inches
**Fabric Requirements:** the pattern looks best when made with 10 coordinating fat quarters

**10 Fat Quarters:** be sure they measure 18 x 24 inches (46 x 61 cm)

**Inner Border:** ½ yard (18 inches or 46 cm)

**Outer Border:** One yard (36 inches or 92 cm)

**Binding:** ¾ yard (27 inches or 70 cm)*

*Note: the fabric requirements are slightly generous to allow for cutting errors and standard cutting sizes at most fabric shops.

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**Cutting Instructions:** (Note - read all instructions before you begin cutting)

**Fat Quarters:**

Refer to the cutting diagram on page 5 and from each fat quarter:

- Cut 6 squares 5½ inches by 5½ inches
- Cut 6 squares 3½ inches by 3½ inches
- Cut 6 squares 2½ inches by 2½ inches
- Cut 12 squares 1½ inches by 1½ inches

**Inner Border:** (assuming 40 inches usable fabric from selvedge to selvedge)

- Cut 6 strips 2½ inches by width of fabric

**Outer Border:** (assuming 40 inches usable fabric from selvedge to selvedge)

- Cut 7 strips 5 inches by width of fabric

**Binding:**

- Cut 7 strips at 2½ inches by width of fabric.
Assemble the Quilt

1. Begin by sewing two 1½ inch squares together. Repeat for all 60 blocks and press seams in one direction.

2. Add one 2½ inch square to the right side of the blocks sewn in step one. Repeat for all 60 blocks and press seams towards the 2½ block.

3. Add one 3½ inch square to the bottom of the blocks sewn in step two. Repeat for all 60 blocks and press seams towards the 3½ block.

4. Complete the blocks by adding one 5½ inch square to the left side of the blocks sewn in step three. Repeat for all 60 blocks and press seams towards the 5½ block.

Final quilt block (5½ x 8½)—make 60
6. Lay out the quilt according to the diagram on page 6 in nine rows. Rows 1, 5 and 9 are laid out as follows:

7. Rows 2 and 6 are laid out as follows:

8. Rows 3 and 7 are laid out as follows:

9. Rows 4 and 8 are laid out as follows:

10. Sew the rows together and press.

11. Add the inner borders. Cut off the selvedge edges of the inner border strips and sew them together end-to-end using a ¼ inch seam allowance. Press the seam allowance open.

12. Carefully measure the length of the quilt through the middle (it should measure 60½ inches) and cut the side border strips to fit (even if your final measurement is slightly different than mine). Pin and sew the side borders, then press. Measure the width of the quilt (it should measure 44½ inches) and cut the top and bottom border strips to fit. Pin and sew the top and bottom borders and press. Repeat steps 11 and 12 with the outer border strips.

13. Layer the completed quilt top with backing and batting and quilt as desired.

14. Prepare the binding by cutting off the selvedge edges, sewing the 7 binding strips together end-to-end and pressing along the length of the binding with wrong sides together. Add binding to the quilt and don’t forget to add a label.
Quilt Diagram
I hope you enjoy this Fibonacci Spiral quilt! Similar to my Fibonacci Sequence quilt, this pattern is an original quilt design inspired by mathematics. Fibonacci is the name given to Italian mathematician Leonardo Pisano Bogollo (1170-1250). The Fibonacci sequence is formed by adding the previous two numbers together to get the next number in the series - 0, 1, 1, 2, 3, 5, 8, 13. When found in a spiral, it is also called the Golden Ratio spiral. You can see this reflected in the layout of each block and the way the design spirals out from the centre. The Fibonacci sequence describes numerous natural phenomena including the geometry of nautilus shells and spiral galaxies, as well as the growth patterns of pinecones and many types of plants and flowers.

Share pictures of your Fibonacci Spiral quilt with me on social media:

Instagram: @bitspiecesquilt

Tune in and subscribe to my YouTube channel for a complete tutorial on how to make the Fibonacci Spiral quilt as well as other interesting videos with quilting tips, tricks and tutorials.

YouTube: @bits & pieces quilting

Visit my website at: www.bitsandpiecesquilting.com