

# ORBIT

*Finished Quilt Size | 60" x 60"*



PDF Pattern by **LRstitched** | © 2013 Lindsey Rhodes

## Getting Started:

I recommend reading through the pattern completely before beginning.

- All seam allowances are 1/4"
  - Press seams open unless otherwise noted
  - The pattern is suitable for a beginner who is familiar with half square triangles
  - HST is short for Half Square Triangle
  - WOF is short for Width of Fabric
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## Supplies:

(All listed amounts are for 44" wide quilting cotton)

- ( 1 ) yard background fabric
- ( 5 ) 1/2 yard cuts (for full circle orbits & accents)
- ( 8 ) fat quarters (for half and quarter circle orbits & accents)
- ( 3 3/4 ) yards backing fabric
- ( 5/8 ) yard binding fabric for 2.5" wide strips OR ( 1/2 ) yard for 2.25" wide strips
- batting that measures at minimum 64 x 64

### **You will also need the usual:**

- sewing machine/needles/thread
- rotary cutter/ruler/mat
- basting spray or pins



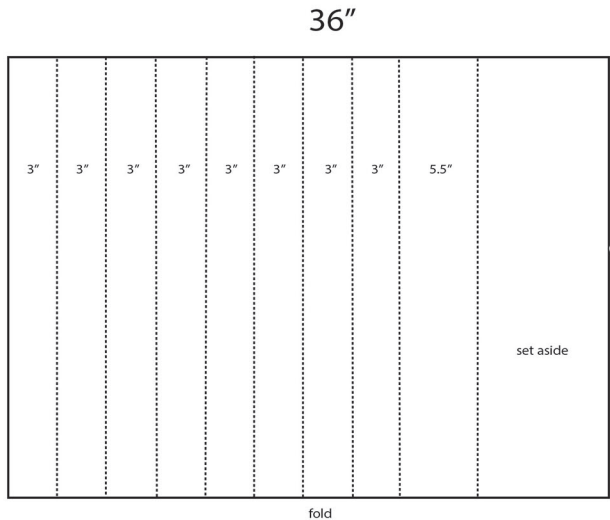
A sew along using this pattern can be found at [www.lrstitched.com](http://www.lrstitched.com). It begins Feb 18th, 2013 but can be started at any time!

# Cutting Instructions

From background fabric cut:

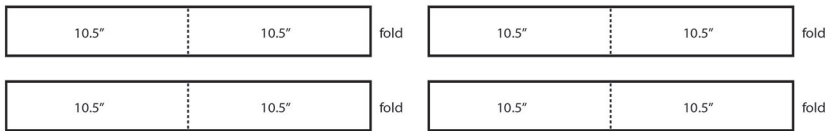
- ( 8 ) strips 3" wide by WOF
- ( 1 ) strip 5.5" wide by WOF

44"  
WOF

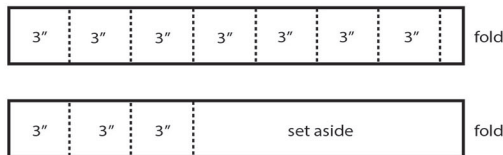


Leave all strips folded unless noted, trim selvages away and sub-cut as follows:

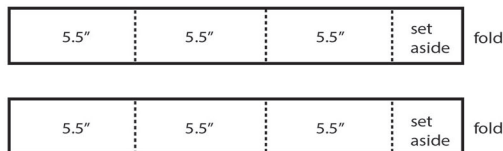
Take ( 4 ) of the 3" wide by WOF strips and sub-cut in to ( 16 ) **10.5" x 3"** rectangles.



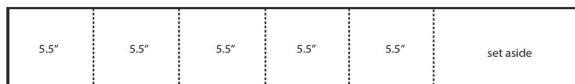
Take ( 2 ) of the 3" strips and sub-cut in to ( 20 ) **3" squares**. Set aside the extra fabric.



Take the remaining ( 2 ) 3" strips and sub-cut in to ( 12 ) **5.5" x 3"** rectangles. Set aside any extra fabric.



Take the 5.5" wide strip & trim away selvages. **Unfold** and sub-cut in to ( 5 ) **5.5" squares**. Set aside extra fabric.





## Cutting Instructions

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It is important to keep yourself organized when cutting out your printed fabrics.

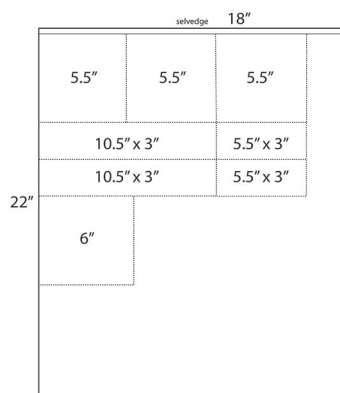
If you have not done so yet, I recommend looking at the “Quilt By Number” mockup sheet found on the last page of this pattern and assigning a number to each of your print fabrics.

The cutting instructions that follow are listed by number, based on their placement in the design layout diagram at the close of the pattern.

I like to write each number on a ziploc freezer bag and place the corresponding fabrics inside. A simple pile works just as well!

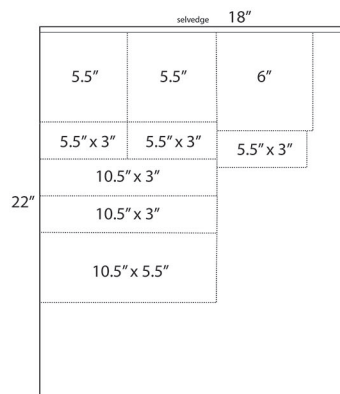
### From Fabric “1” (fat quarter) cut:

- ( 3 ) 5.5” squares
- ( 1 ) 6” square
- ( 2 ) 10.5” x 3” rectangles
- ( 2 ) 5.5” x 3” rectangles



### From Fabric “2” (fat quarter) cut:

- ( 2 ) 5.5” squares
- ( 1 ) 6” square
- ( 1 ) 10.5” x 5.5” rectangle
- ( 2 ) 10.5” x 3” rectangles
- ( 3 ) 5.5” x 3” rectangles



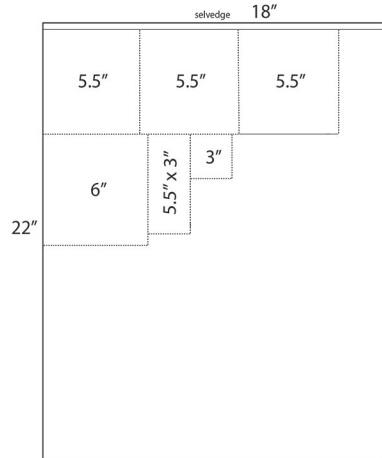


# Cutting Instructions

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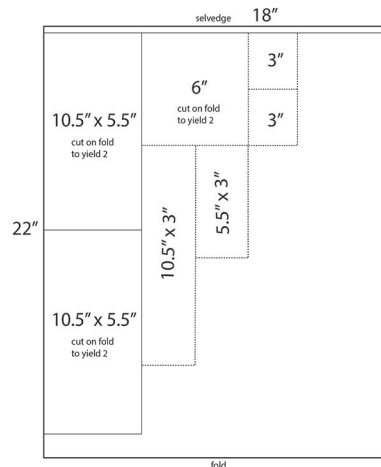
## From Fabric “3” (fat quarter) cut:

- ( 3 ) 5.5” squares
- ( 1 ) 6” square
- ( 1 ) 5.5” x 3” rectangle
- ( 1 ) 3” square



## From Fabric “4” (1/2 yard) cut:

- ( 4 ) 10.5” x 5.5” rectangles
- ( 2 ) 6” squares
- ( 2 ) 3” squares
- ( 1 ) 10.5” x 3” rectangle
- ( 1 ) 5.5” x 3” rectangle



## From Fabric “5” (1/2 yard) cut:

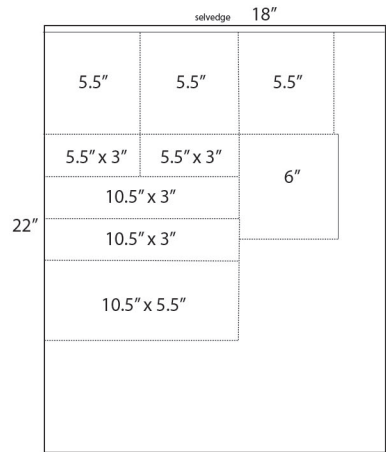
- ( 4 ) 10.5” x 5.5” rectangles
- ( 2 ) 6” squares
- ( 2 ) 3” squares
- ( 1 ) 10.5” x 3” rectangle
- ( 1 ) 5.5” x 3” rectangle

# Cutting Instructions

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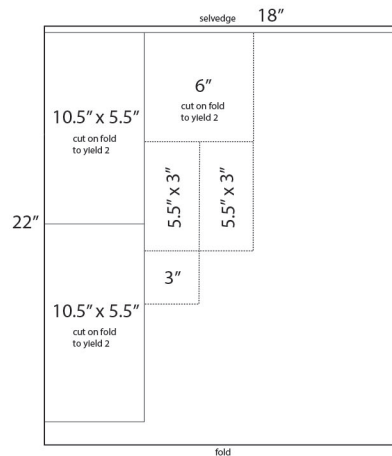
## From Fabric “6” (fat quarter) cut:

- ( 1 ) 10.5” x 5.5” rectangle
- ( 1 ) 6” square
- ( 3 ) 5.5” squares
- ( 2 ) 10.5” x 3” rectangles
- ( 2 ) 5.5” x 3” rectangles



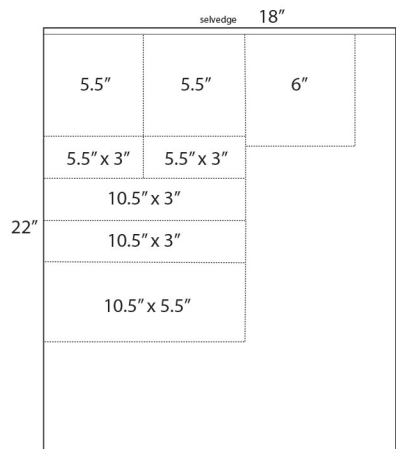
## From Fabric “7” (1/2 yard) cut:

- ( 4 ) 10.5” x 5.5” rectangles
- ( 2 ) 6” squares
- ( 1 ) 3” square
- ( 2 ) 5.5” x 3” rectangles



## From Fabric “8” (fat quarter) cut:

- ( 1 ) 10.5” x 5.5” rectangle
- ( 1 ) 6” square
- ( 2 ) 5.5” squares
- ( 2 ) 10.5” x 3” rectangles
- ( 2 ) 5.5” x 3” rectangles

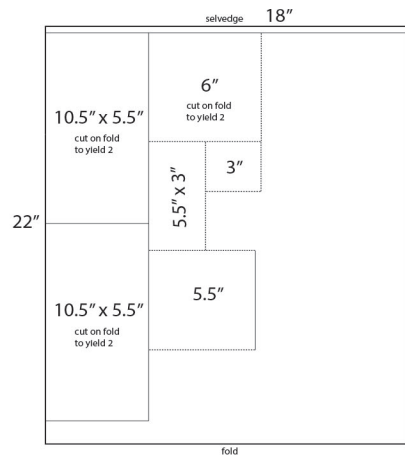


# Cutting Instructions

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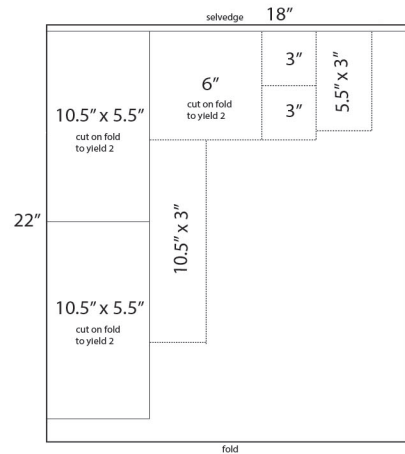
## From Fabric “9” (1/2 yard) cut:

- ( 4 ) 10.5” x 5.5” rectangles
- ( 2 ) 6” squares
- ( 1 ) 5.5” square
- ( 1 ) 3” square
- ( 1 ) 5.5” x 3” rectangle



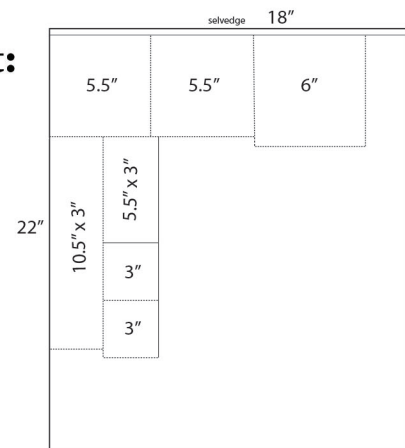
## From Fabric “10” (1/2 yard) cut:

- ( 4 ) 10.5” x 5.5” rectangles
- ( 2 ) 6” squares
- ( 2 ) 3” squares
- ( 1 ) 10.5” x 3” rectangle
- ( 1 ) 5.5” x 3” rectangle



## From Fabric “11” (fat quarter) cut:

- ( 2 ) 5.5” squares
- ( 1 ) 6” square
- ( 2 ) 3” squares
- ( 1 ) 10.5” x 3” rectangle
- ( 1 ) 5.5” x 3” rectangle



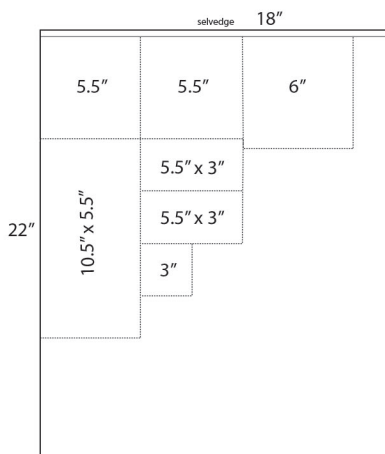


# Cutting Instructions

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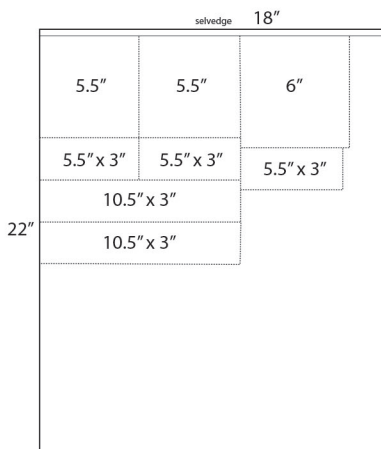
## From Fabric “12” (fat quarter) cut :

- ( 2 ) 5.5” squares
- ( 1 ) 6” square
- ( 1 ) 3” square
- ( 1 ) 10.5” x 5.5” rectangle
- ( 2 ) 5.5” x 3” rectangles



## From Fabric “13” (fat quarter) cut:

- ( 2 ) 5.5” squares
- ( 1 ) 6” square
- ( 2 ) 10.5” x 3” rectangles
- ( 3 ) 5.5” x 3” rectangles



## Piecing Instructions:

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The quilt top is sewn together in horizontal rows that are made up of four different pieced blocks combined with your other cut fabric shapes.

### 1. Quarter Square block

There are (4) quarter square blocks in the quilt, one at each corner. The rectangle is sewn on either the left or right side of the 2-square piece, depending on the position of the block.

For each block you need:

- (1) 3" background square
- (1) 3" print square
- (1) 5.5" x 3" print rectangle

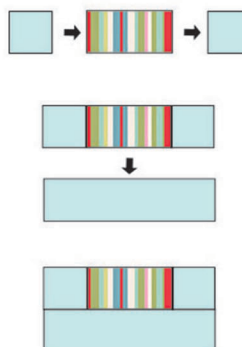


### 2. Half Square block

There are (12) half square blocks in the quilt. They are found around the perimeter of the quilt. (4) are made with print fabric on the outer portion and background fabric on the inside, and the other (8) are the reverse.

For each block you need:

- (2) 3" squares
- (1) 5.5" x 3" rectangle
- (1) 10.5" x 3" rectangle



## Piecing Instructions:

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### 3. Square block

There are (9) square blocks in the quilt. (5) are made up of print fabric on the outer portion and background fabric on the inside and the other (4) are the reverse.

For each block you need:

- (1) 5.5" square
- (2) 5.5" x 3" rectangles
- (2) 10.5" x 3" rectangles



### 4. Half Square Triangle (HST)

There are (16) HST blocks in the quilt. These form the corners of the orbit shapes. In this pattern we will cut a 6" square on the diagonal and piece the triangles to form our block.

While there are faster ways to make HST blocks, those methods produce two identical blocks. Each of our HST blocks are different. Making them this way helps reduce waste.

For each block you need:

- (2) triangles taken from the diagonally cut 6" square of two fabric prints



After piecing your two halves right sides together, press well and **trim down to 5.5" square**.





## Piecing Instructions:

Referring to your Quilt By Number Sheet for fabric prints needed, make the pieced blocks listed on the previous pages.

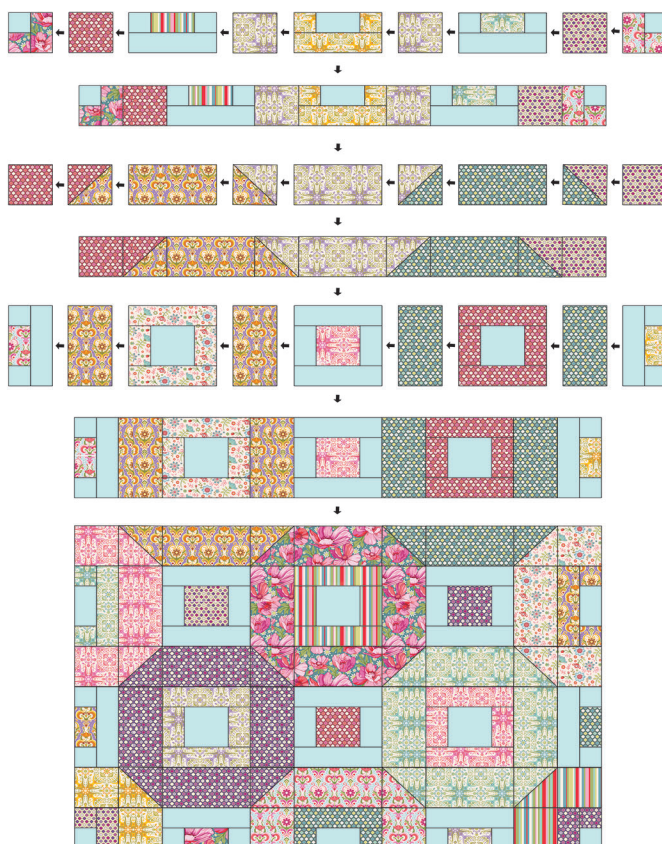
If you have a design wall, lay out your blocks in their correct row position. Refer to the quilt layout guide for correct placement.

### Putting it all together:

The quilt is made up of nine horizontal rows that each have nine pieces in each row.

Using the layout guide below, begin to piece together your rows. Refer to your mockup sheet to make sure you are placing your blocks in the correct position. Press seams open.

Once all 9 rows are completed, sew each row together. Pin carefully, matching your seams and sew with a 1/4" seam. Press seams **down**.



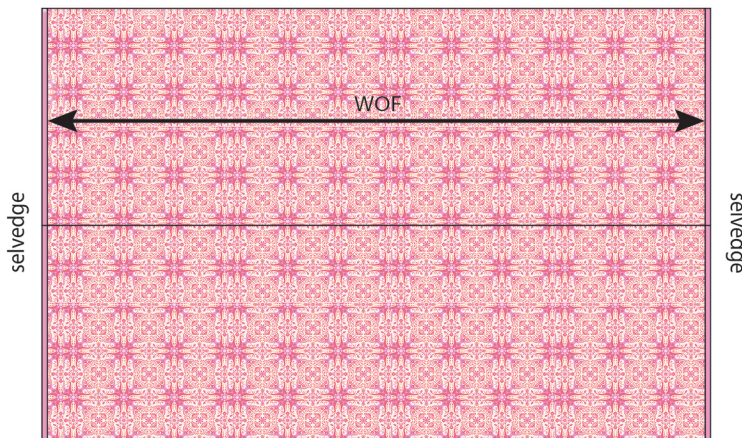
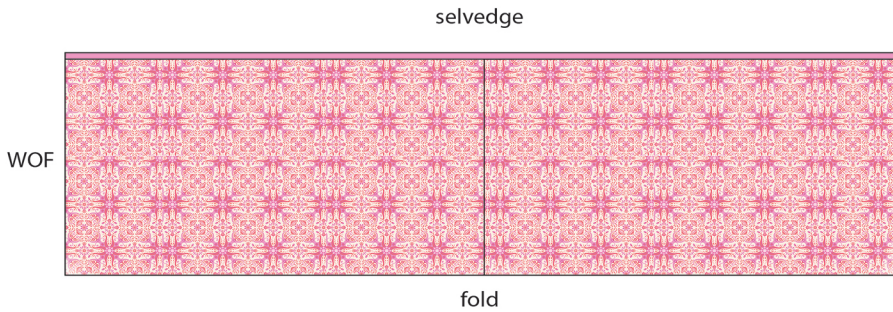
## Finishing Instructions:

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In order to make our quilt backing large enough, we need to cut our yardage and piece it back together.

Take your 3 3/4 yard of fabric and cut in half so that you have two equal parts.

Open up each piece and lay out so that your selvages are on the left and right side of the backing. Put right sides together and sew a horizontal 1/4" seam. Press seam open and continue on to make your quilt sandwich. Quilt as desired and bind to finish.



# Quilt By Number Chart

B	7	1	B	13	B	2	11	B	11	2	B	10	B	3	12	B	
7			B				11				B				12	12	
1		1 4	4			2 4	2			2 5	5			3 5	3		
B		4	8			4	B			5	1			5	B	B	
12	B		8	B	8		B	6	B		1	B	1			B	11
B			8				B				1					B	
6		4 6	4			4 7	7			5 7	5			5 8	8		
10		6	B			7	13			7	B			8	4	4	
B	10		B	3	B		13	B	13		B	9	B			B	B
10			B				13				B					4	4
6		6 9	9			7 9	7			7 10	10			8 10	8		
B		9	2			9	B			10	6			10	B	B	
4	B		2	B	2		B	1	B		6	B	6			B	5
B			2				B				6					B	
11		9 11	9			9 12	12			10 12	10			10 13	13		
3	3	11	B			12	5			12	B			13	9	9	
B			B	7	B		5	B	5		B	2	B			B	B



# Quilt Layout Guide

