

PDF PATTERN  
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QUILT PATTERN  
**A COG IN THE WHEEL**

Size: 78" x 78"  
Skill level: Confident beginner  
Templates included

## Quilt Basics

### Quilt size

78" x 78"

### Finished block size

12" x 12"

### Skill level

Confident beginner

### Technique

Choose between 2 techniques:

- foundation paper piecing or
- traditional piecing.

## Fabric, batting and backing needs

Fabric needs are calculated on 40" width of fabric.

The fabric needs below are for **traditional piecing**. It also includes recommendations if you are using fat quarters.

For **foundation paper piecing (FP)** it is recommended to factor in about 15% to 20% extra fabric. The table below includes the extra 15% for foundation piecing.

Use the template on page 11 when cutting triangles for foundation piecing and save fabric.

	Yards	15% extra (FP)	Fat Quarters	Pieces to cut
<b>A</b>	4 ¾ yards	+ ¾ yard		394*
<b>B</b>	¼ yard	+ 2"	1	38
<b>C</b>	½ yard	+ 3"	2	84
<b>D</b>	⅛ yard		1	23
<b>E</b>	⅜ yard	+ 2"	2	55
<b>F</b>	¼ yard	+ 2"	1	35
<b>G</b>	⅜ yard	+ 2"	1	45
<b>H</b>	⅜ yard	+ 2"	2	58
<b>I</b>	⅛ yard		1	16
<b>J</b>	⅝ yard**			9

\* It includes the corner triangles, the quarter snow ball blocks, borders and the plain squares.

\*\* For binding

### Binding

Cut 9 strips, 2 ½" x width of fabric to make a 322" long strip.

### Batting

A square 81" x 81".

### Backing

7 ¼" yards assembled into a 83" x 83" square.





## Blocks

Following the block diagrams on the next page, make:

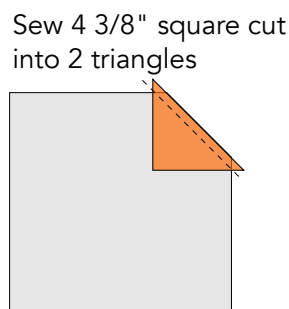
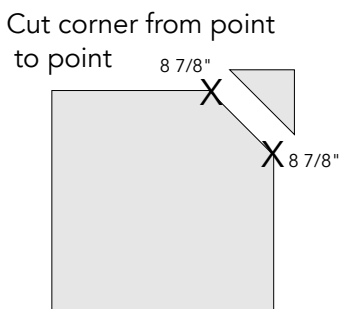
- 20 Morning star blocks
- 8 Quarter snowball blocks
- 8 plain squares in the background fabric.

### How to make a Quarter snow ball block

Refer to pages 4 and 5 for required blocks and colours.

For one block, cut:

- 1 square, 12 1/2" x 12 1/2" in solid cream
- 1 square, 4 3/8" x 4 3/8" cut into 2 triangles
- From the solid cream square, cut a corner off from 8 7/8" to 8 7/8"
- Take a triangle in a print and sew into the corner.



### Support

[sewnup.patterns@gmail.com](mailto:sewnup.patterns@gmail.com)

### Morning star block video tutorial

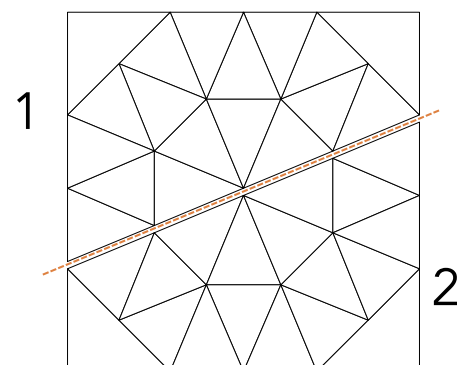
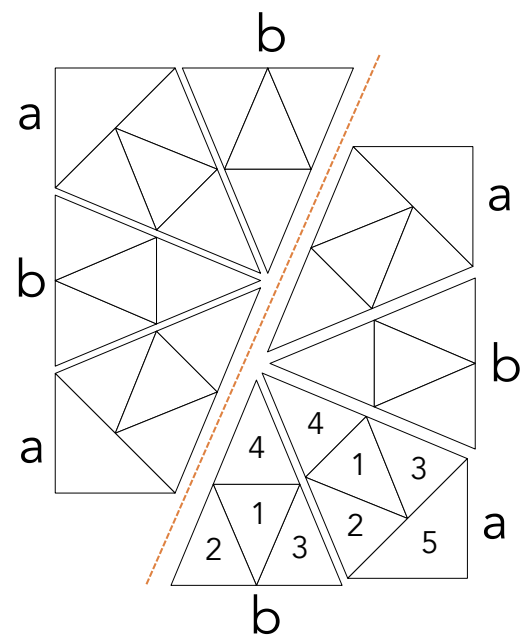
Foundation piecing technique.

<https://goo.gl/qmYzQC>

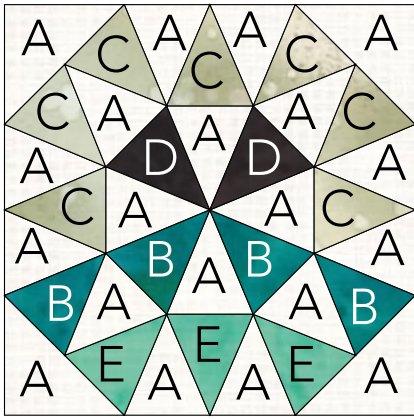
### Morning star block construction

Whether you are paper piecing or traditional piecing, the block is constructed in the same way.

1. Make 4 pieces of each type **a** and **b**. Sew each triangle in the order shown.
2. Assemble into pieces **1** and **2**.
3. Sew piece 1 and 2 together.



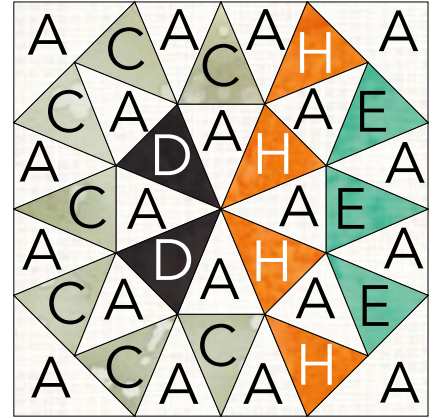
Block 2



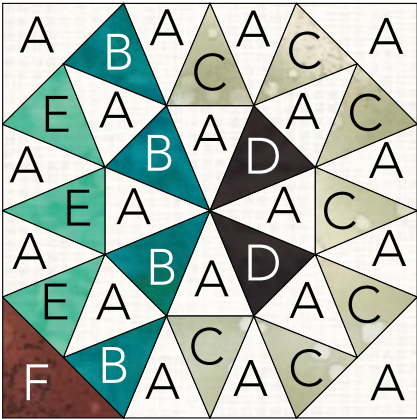
Block 5



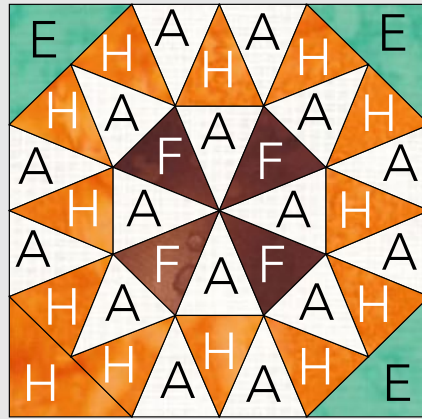
Block 9 - Make 2



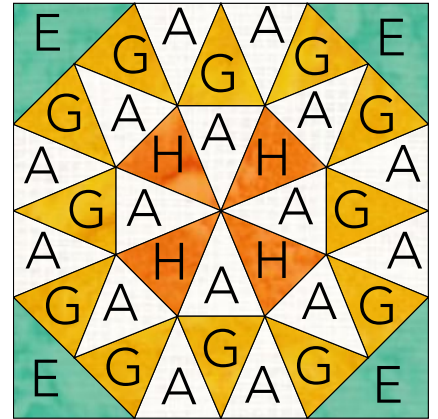
Block 2A



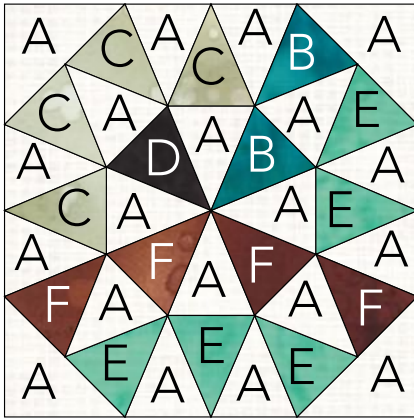
Block 6



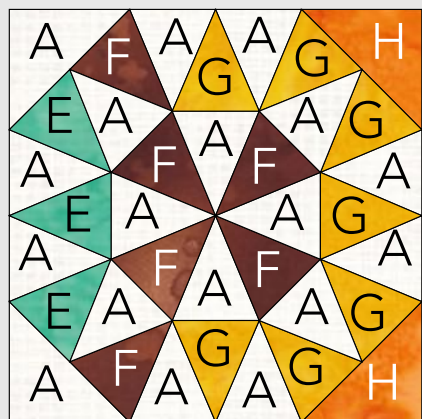
Block 10



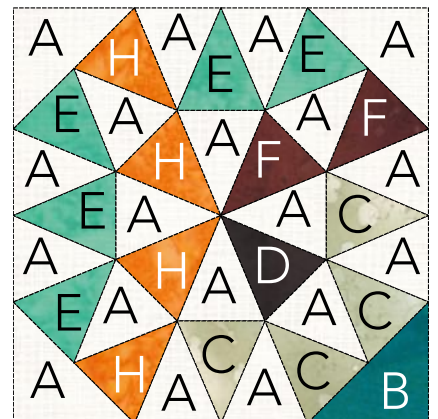
Block 3



Block 7



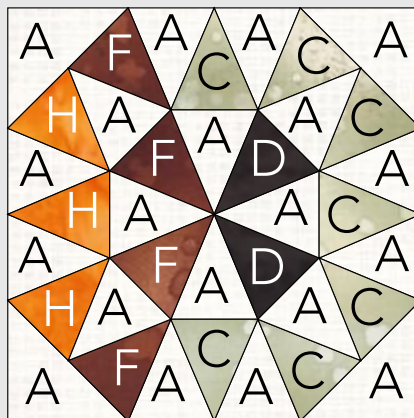
Block 11



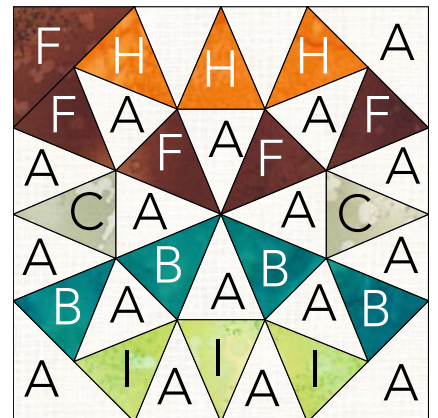
Block 4



Block 8

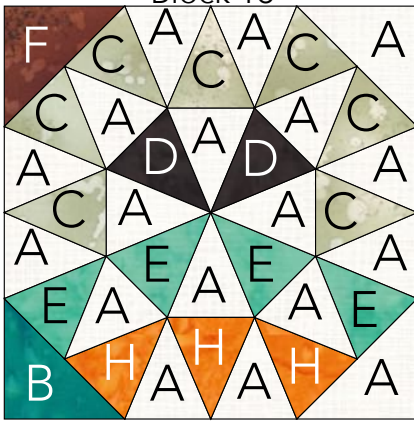


Block 12

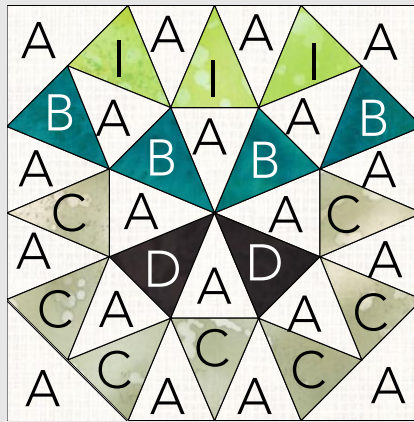




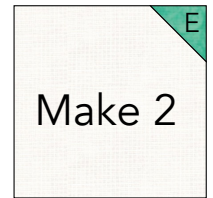
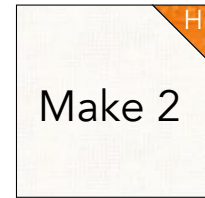
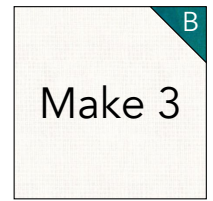
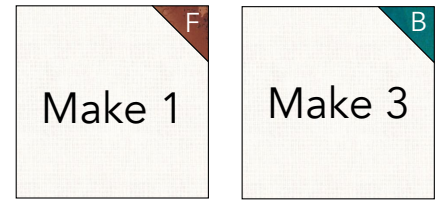
Block 13



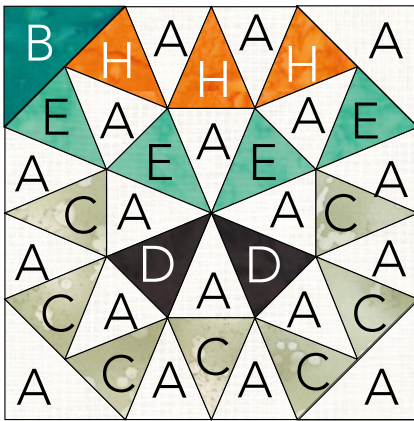
Block 14A



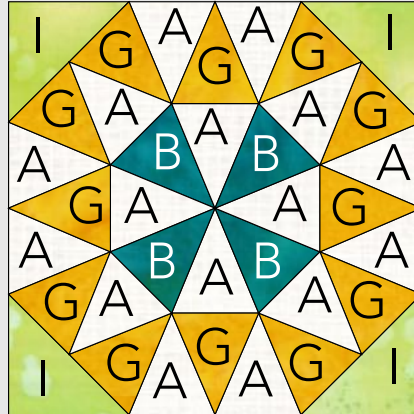
Quarter snow ball block



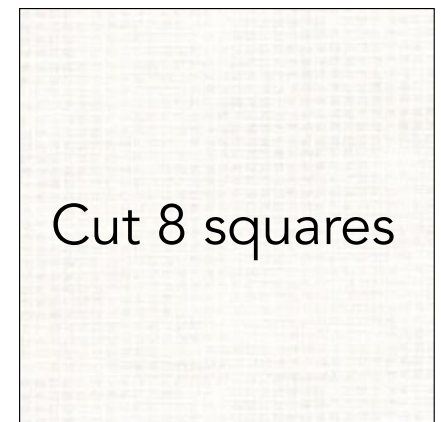
Block 13A



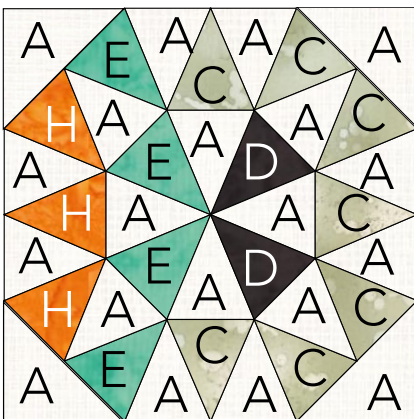
Block 15



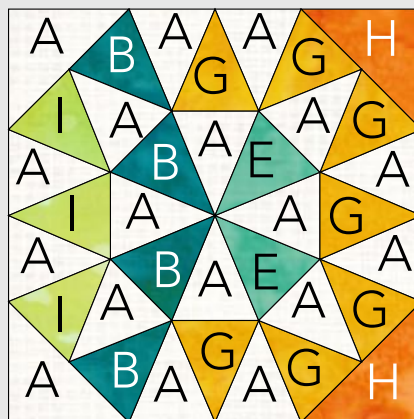
Plain 12 1/2" x 12 1/2"



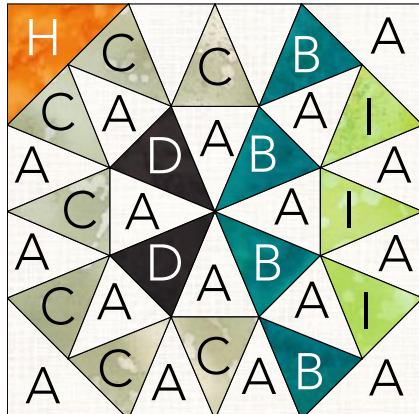
Block 13B



Block 16



Block 14

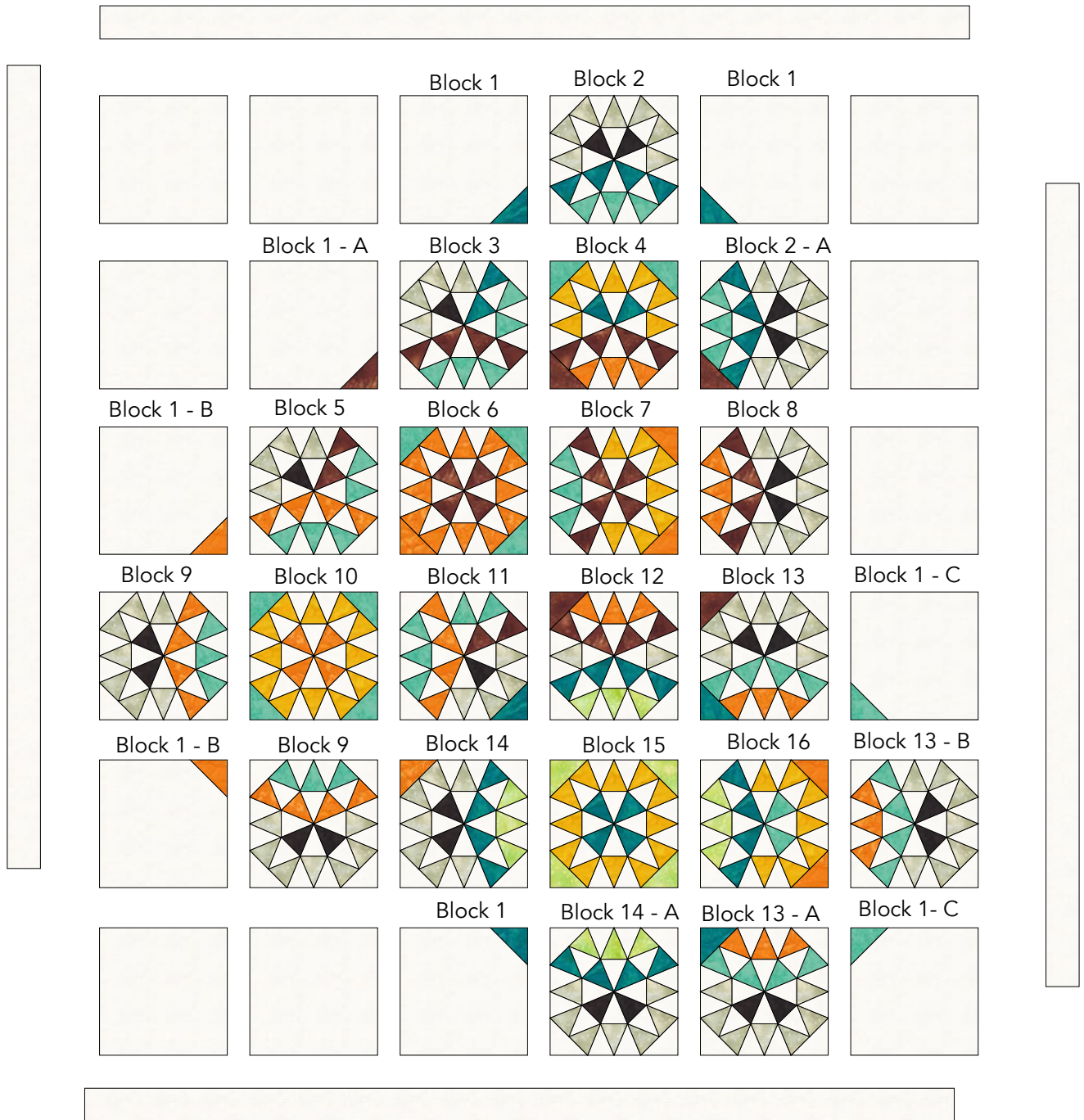


**3" border**

Cut:

- 2 strips, 3 1/2" x 72"
- 2 strips, 3 1/2" x 78 1/2"

# Quilt assembly diagram



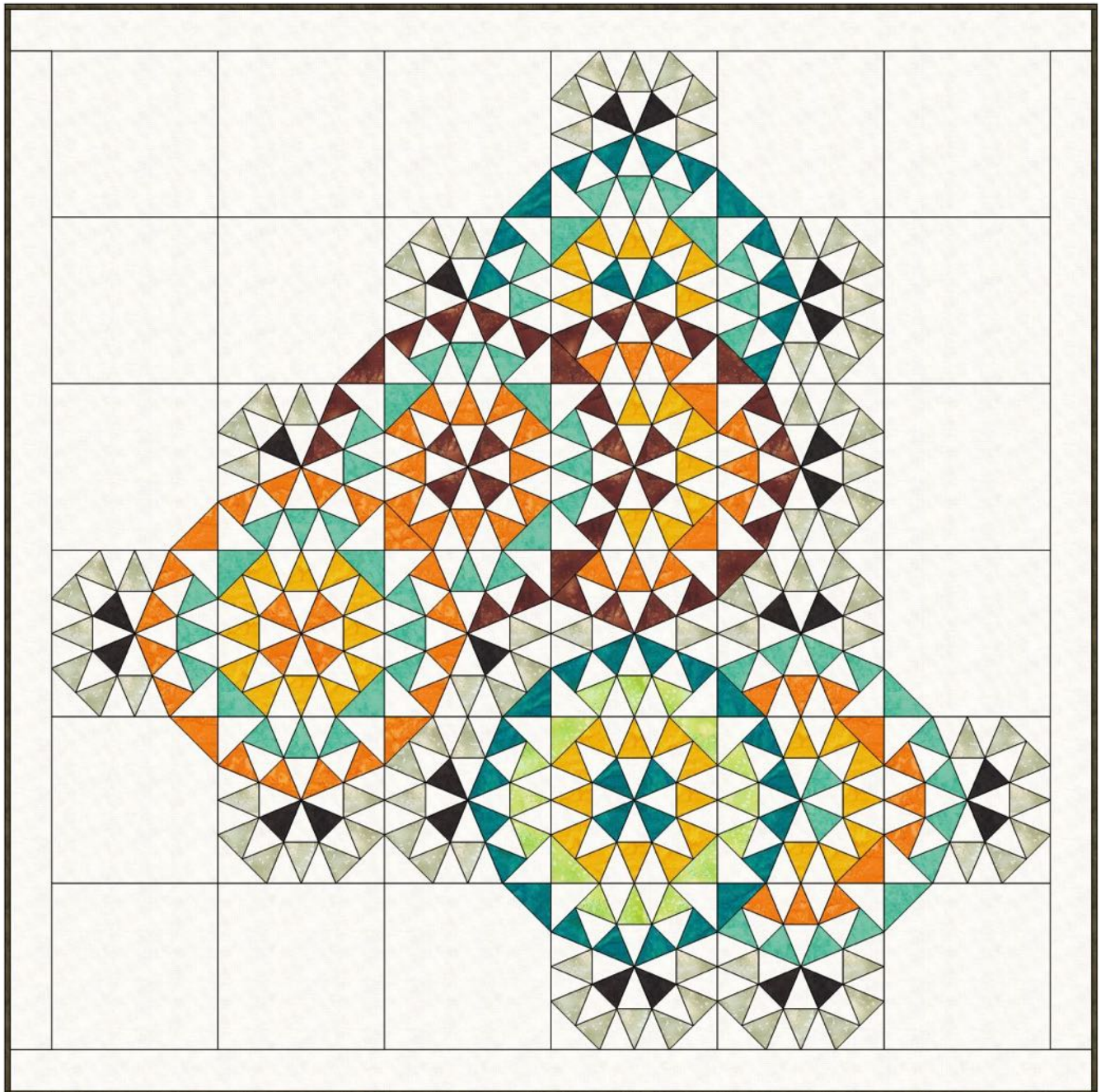


I made the quilt in the photo using fabric scraps of similar colour value because I love scrappy quilts.

This quilt works just as well using a dark background and light foreground colours.

In any case use fabrics with enough contrast so that the design stands out.

This is what the quilt looks like in the fabric range on page 2.



## Quilting the quilt sandwich

Place the 83" x 83" of backing fabric with the wrong side up.

Add the 81" x 81" square of cotton batting on top.

Place the quilt top, right side up, on top of the batting. Pin well.

Quilt as desired. The quilt on the cover was quilted by a local quilter..

After the quilt sandwich has been quilted, trim off excess backing and batting.

## Binding the quilt

You can buy bias tape ready made and save the work involved in making your own binding.

Or you can make your own. For my quilt I used left over fabric strips in oranges to make straight binding.

If you feel like doing some fancy binding have a go at flange binding.

**Flange binding:** <https://youtu.be/0cvkGkZ7Ass>

**Machine binding:** <https://youtu.be/l6D7nzlsw4U>



## Some recommendations

### Foundation piecing

Print the template at 100% and use the 1 inch squares provided to check.

For the templates you can use regular printer paper or special paper. The thinner the paper the easier to tear off at the end.

Choose a short stitch length. It's easier to tear the paper at the end.

To remove bulk along the seams, remove the paper from the internal seams for each finished block before you sew the blocks together.

For better sewing accuracy, only remove the paper after the quilt top has been stitched.

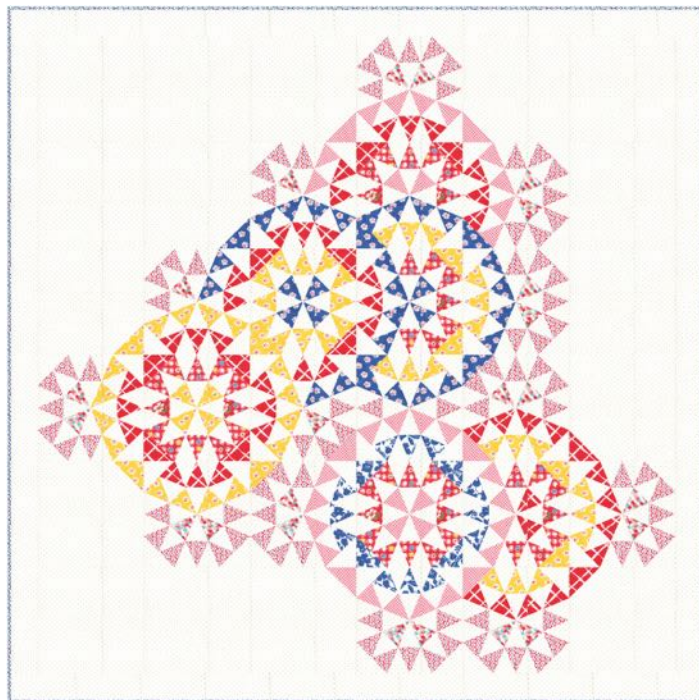
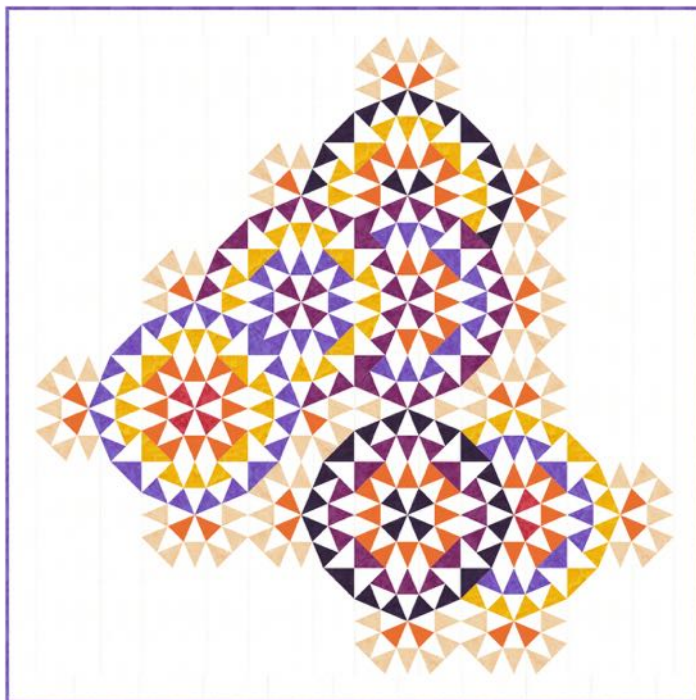
### Traditional piecing

To remove bulk along the seams, press the seams open.



## Alternative colour schemes

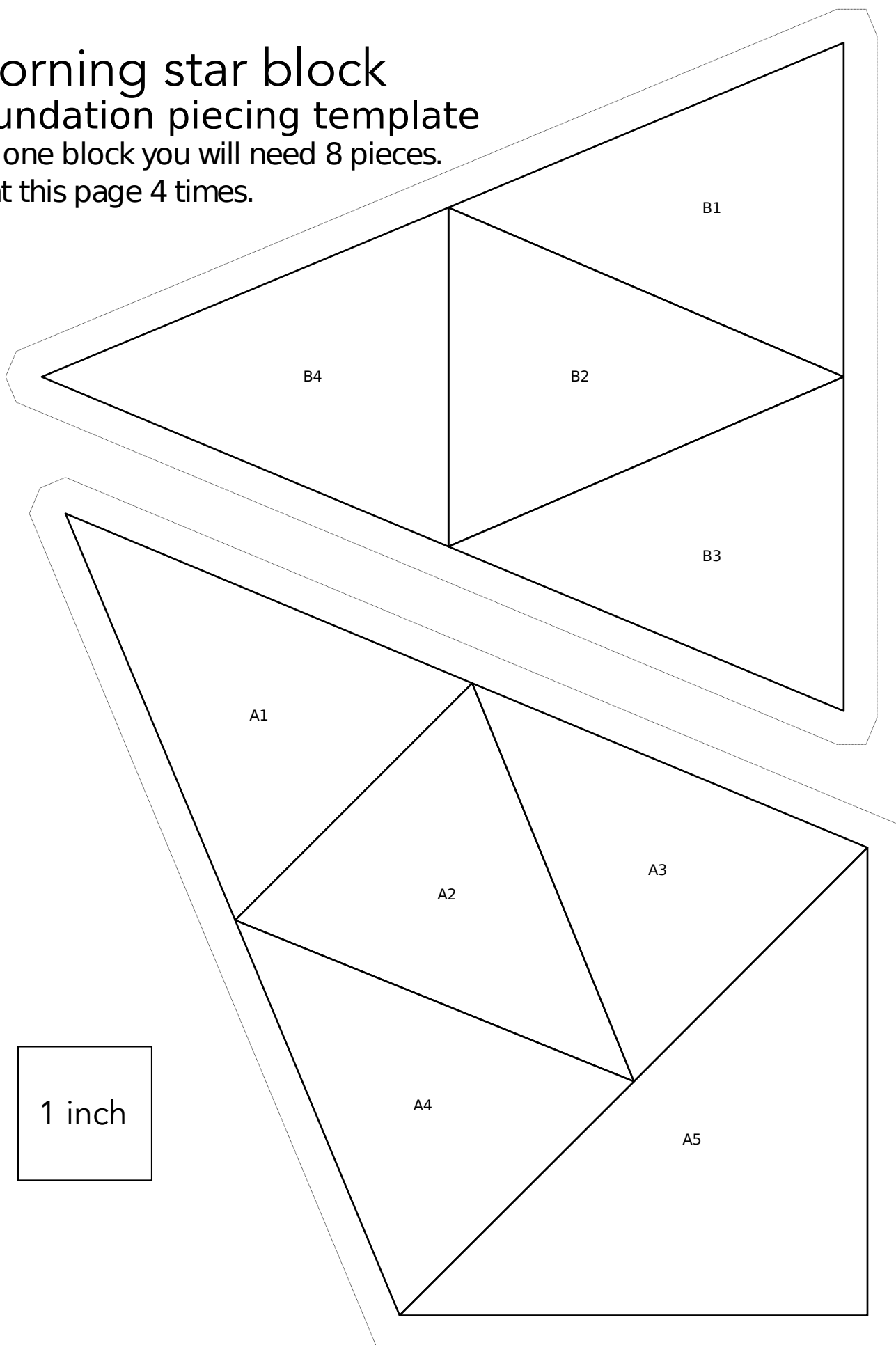
This quilt can be made in any colour scheme. You can use a dark background to make the design pop up. In any case, use highly contrasting fabrics.



# Morning star block

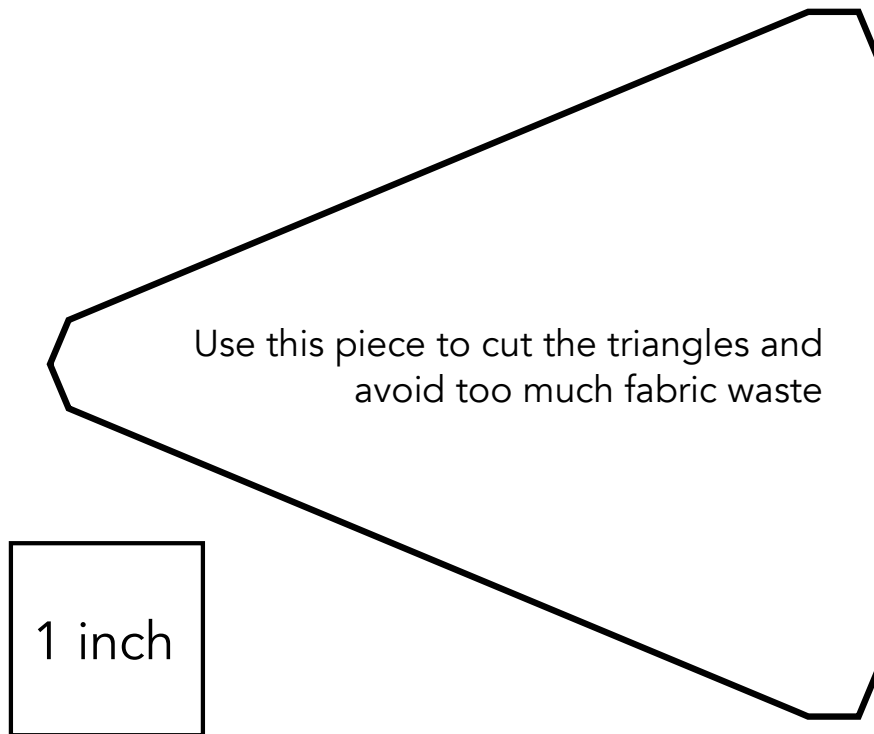
## Foundation piecing template

For one block you will need 8 pieces.  
Print this page 4 times.



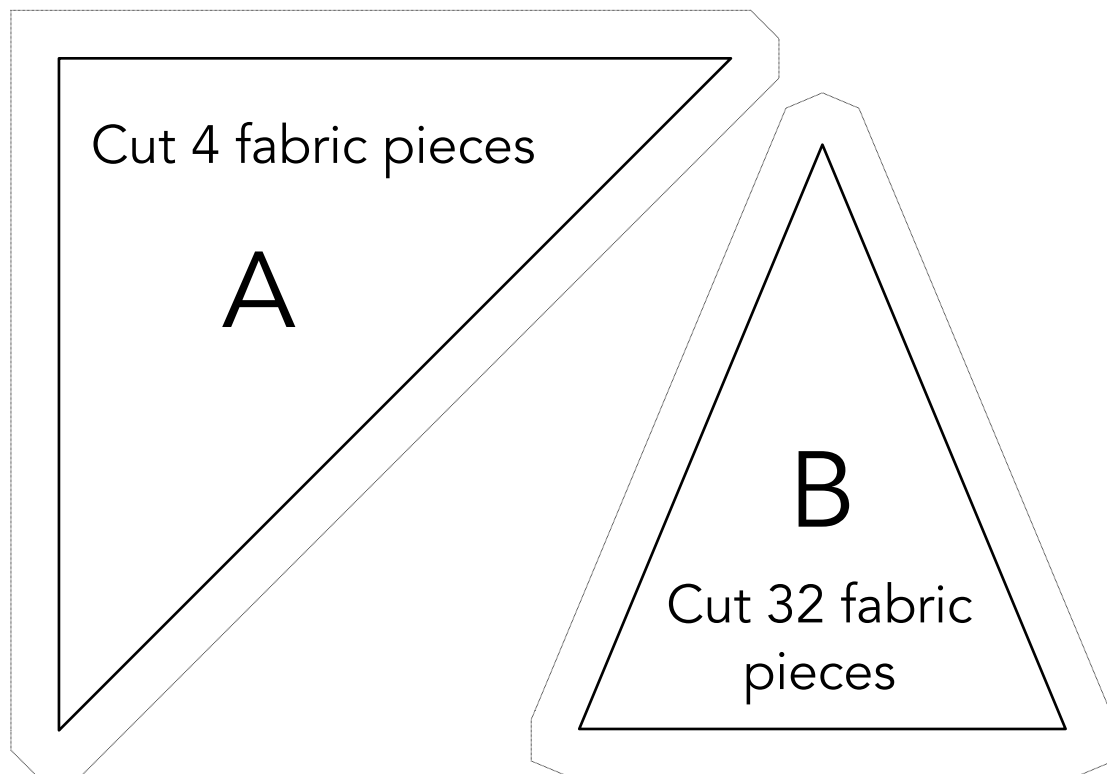


# Cutting template for foundation piecing



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# Cutting templates for traditional piecing





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