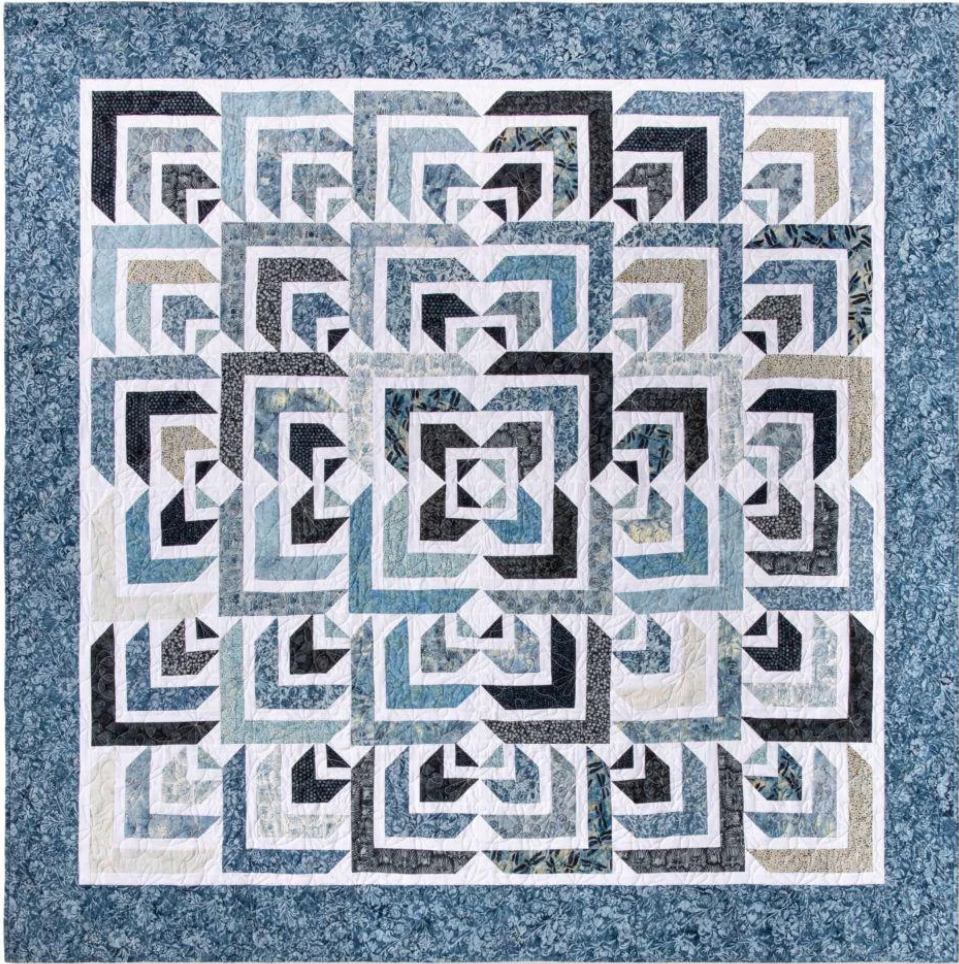


Wonder Star Quilt Pattern

Strip piecing, precise corner points, and a complete 36-block layout



Reference quilt supplied by the reader

NOMINAL FINISHED SIZE	BLOCK SIZE	LAYOUT
80" x 80" / 203.2 cm	11" finished; 11 1/2" raw	36 blocks - 6 rows x 6

Source design: North Star by Missouri Star Quilt Company, demonstrated by Jenny Doan. This independently written companion uses your two reference images and the public tutorial to explain the construction with newly drawn diagrams and calculated cutting plans.

Level: confident beginner to intermediate. All cutting measurements are in inches and include 1/4" seams unless noted. Geometry and quantities were checked digitally; this companion has not been test sewn. Fabric colors in the diagrams approximate the reference.

The entire quilt

The reference layout uses the same block rotated in four directions. There is no sashing between the 36 blocks.



Finished-size equation: 6 blocks x 11" = 66" center; add two 1" white borders and two 6" outer borders: 66 + 2 + 12 = 80". The unquilted top, including its outside seam allowance, measures 80 1/2" square.

Use the orientation key on page 7 before sewing the rows. Diagram fabrics are schematic; follow the shapes and rotations to reproduce the layout. Final measurements can change slightly with quilting and finishing.

Prepare the fabrics

P1, P2 and P3 are the inner, middle and outer printed pairs. Use one matching print for the two pieces in each pair.

Block fabrics

One 40-strip roll of 2 1/2" prints, plus four extra 2 1/2" strips reserved from the border fabric.
One 40-strip roll of 1 1/2" white strips.
252 white 2 1/2" squares: three 84-count packs, or 1 1/4 yards to cut your own.

Borders and finishing

1 3/4 yards outer-border fabric, including the four extra print strips.
3/4 yard binding fabric.
Backing: 2 1/2 yards of 108" fabric, or 7 1/2 yards of regular-width fabric.
Batting: at least 90" x 90" for this plan.

Unit / fabric	Cut for ONE block	Cut for ALL 36 blocks
H / center	One 2 1/2" print square One 2 1/2" white square	36 print + 36 white
W1 / white	1 1/2" x 2 1/2" and 1 1/2" x 3 1/2"	36 of each rectangle
P1 / print	2 1/2" x 3 1/2" and 2 1/2" x 5 1/2"	36 of each rectangle
W2 / white	1 1/2" x 5 1/2" and 1 1/2" x 6 1/2"	36 of each rectangle
P2 / print	2 1/2" x 6 1/2" and 2 1/2" x 8 1/2"	36 of each rectangle
W3 / white	1 1/2" x 8 1/2" and 1 1/2" x 9 1/2"	36 of each rectangle
P3 / print	2 1/2" x 9 1/2" and 2 1/2" x 11 1/2"	36 of each rectangle
S / white tips	Six 2 1/2" white squares	216 squares

White-square total: 36 centers + 216 corners = 252. To cut them from yardage, use sixteen 2 1/2" x WOF strips and cut sixteen squares from each; this makes 256, leaving four spares.

The plans on page 4 require **at least 40" usable length per strip** after removing selvages. Yardage assumes usable fabric after preparation. Add fabric for shrinkage, directional matching, or shorter strips. WOF = width of fabric; HST = half-square triangle; RST = right sides together.

Make each roll work

All lengths below are inches. Check for 40" of usable length before using these allocations. Keep matching print pairs together.

PRINTS: 44 STRIPS, EACH 2 1/2" WIDE

Use this many strips	Subcut EACH strip into these lengths	Used length
20	11 1/2 + 9 1/2 + 8 1/2 + 6 1/2 + 2 1/2	38 1/2"
16	11 1/2 + 9 1/2 + 5 1/2 + 3 1/2 + 5 1/2 + 3 1/2	39"
4	8 1/2 + 6 1/2 + 8 1/2 + 6 1/2 + 5 1/2 + 3 1/2	39"
4	8 1/2 + 6 1/2 + 8 1/2 + 6 1/2 + four 2 1/2 lengths	40"

This supplies 36 centers and 36 of each printed rectangle. Mix the pairs among blocks so each block can have different inner, middle and outer prints. The original sample used longer batik strips; the four supplemental strips make this 40" plan work.

WHITE: 33 STRIPS FOR BLOCKS + 7 FOR INNER BORDERS

Use this many strips	Subcut EACH 1 1/2"-wide strip	Used length
12	Three 9 1/2 lengths + three 3 1/2 lengths	39"
9	Four 8 1/2 lengths + one 5 1/2 length	39 1/2"
6	Five 6 1/2 lengths + three 2 1/2 lengths	40"
3	One 6 1/2 + five 5 1/2 lengths + two 2 1/2 lengths	39"
3	One 6 1/2 + four 5 1/2 lengths + four 2 1/2 lengths	38 1/2"

These 33 strips supply exactly 36 of each white rectangle on page 3. Reserve the other seven full strips for the inner border. Join those seven strips end to end with straight 1/4" seams; the resulting 277" length is enough for the four border pieces totaling 270".

Outer-border yardage allocation: cut eight 6 1/2" x WOF strips and four 2 1/2" x WOF supplemental print strips. They use 62" of the 63" yardage length. Use straight joins for the outer borders so the eight strips provide sufficient length.

One block, seven checkpoints

Build Orientation A with the HST in the lower-right corner. For every pair, sew the shorter strip to the LEFT, then the longer strip to the TOP.



1. HST center

2 1/2" unfinished square



2. Add W1

3 1/2" unfinished square



3. Add P1 + 2 corners

5 1/2" unfinished square



4. Add W2

6 1/2" unfinished square



5. Add P2 + 2 corners

8 1/2" unfinished square



6. Add W3

9 1/2" unfinished square



11 1/2" unfinished

7. Add P3 + 2 corners

Start with one HST. Place one print and one white 2 1/2" square RST. Mark one diagonal and sew directly ON it. Trim the unwanted corner 1/4" beyond that seam, then press open. One pair makes one 2 1/2" unit. Position the print triangle toward the upper left.

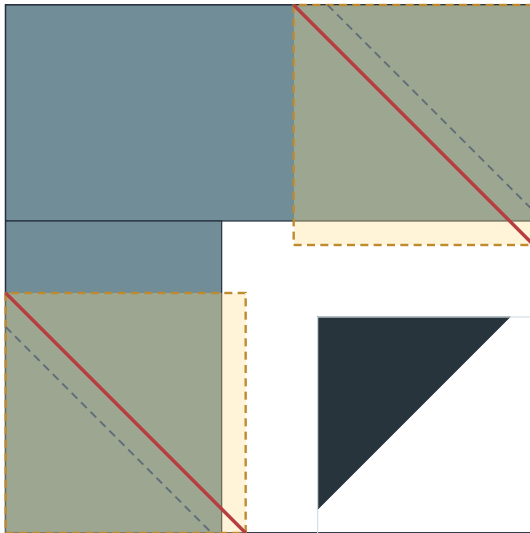
Grow the unit. Follow W1, P1, W2, P2, W3, P3 in order. Use 1/4" seams. Press after each strip, preferably toward the print where practical. After EVERY printed pair, add its two white corner squares as shown on page 6.

Check the sizes above. Confirm 11 1/2" square after the final corners. Keep each printed point 1/4" inside the raw edge. Make one practice block before cutting the entire quilt, then complete 36 blocks.

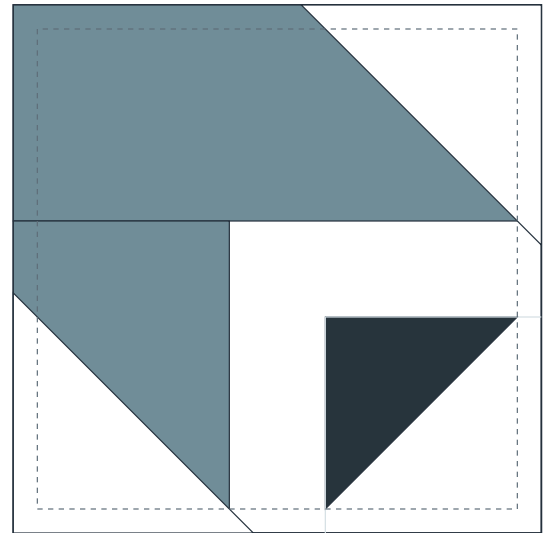
Diagrams show finished design areas; unfinished sizes include the outer 1/4" seam allowance.

Preserve the printed points

After each printed pair, place a 2 1/2" white square RST at the upper-right and lower-left raw corners of Orientation A.



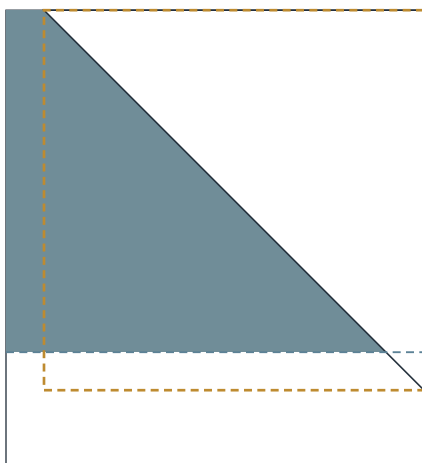
Mark, sew, trim



Flip open and press

Red line: sew on the marked diagonal. **Gray dashed line:** trim 1/4" toward the outside corner, removing that corner from both layers. Flip the remaining white triangle outward and press. The unit stays 5 1/2" square after round 1, 8 1/2" after round 2, and 11 1/2" after round 3.

WHY THE SQUARE EXTENDS INTO THE WHITE BAND



Enlarged upper-right corner

1/4"

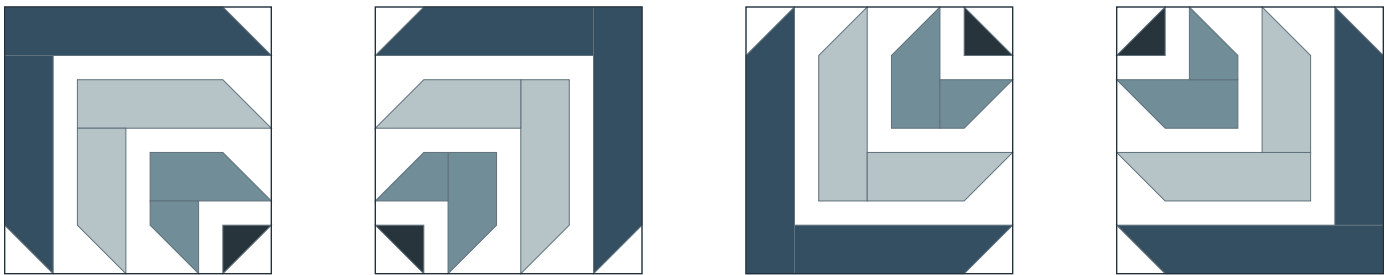
Align the square with the two **outside raw edges**. The joined print strip shows 2 1/4" of width at this stage, so the 2 1/2" square extends 1/4" past the strip seam into the adjacent white band.

That overlap places the end of the printed point 1/4" from the raw edge. Keep the square full size, check the diagonal direction in the left drawing, and verify the fold before trimming.

The gold outline marks the full square. The blue dashed line marks the existing print-to-white seam. Repeat the same alignment at both ends of all three printed rounds.

The 36-block orientation map

The small HST corner identifies the orientation. Rotate finished blocks while keeping the fabric right side facing up.



A

HST lower right

B

HST lower left

C

HST upper right

D

HST upper left

	1	2	3	4	5	6
1	A	A	A	B	B	B
2	A	A	A	B	B	B
3	A	A	A	B	B	B
4	C	C	C	D	D	D
5	C	C	C	D	D	D
6	C	C	C	D	D	D

Columns across; rows down

9 of each orientation

Rows 1-3: A A A B B B
Rows 4-6: C C C D D D

Lay out all 36 blocks before sewing. The four center blocks meet at their small HST corners, forming the central diamond.

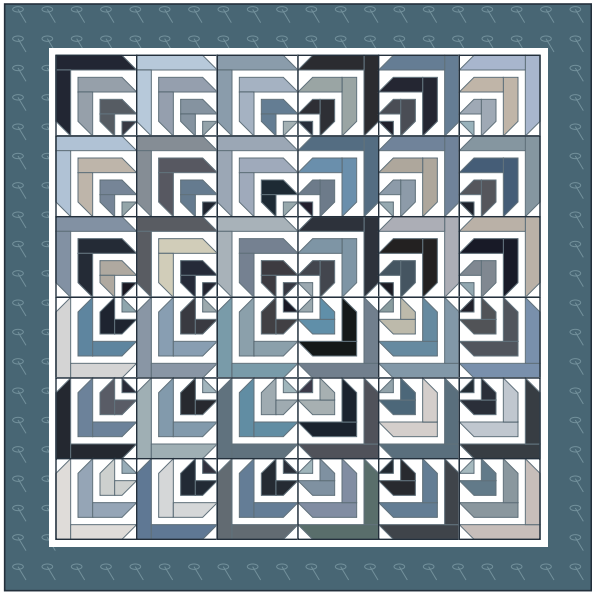
Sew six blocks into each row. Each row measures **66 1/2" x 11 1/2"**. Press successive row seams in opposite directions, or press open if that controls the bulk better.

Join the six rows, matching block seams and white points. The pieced center measures **66 1/2" square**, before borders.

Check before joining: the corner groups all point toward the quilt center. Use page 2 to compare the color layout, and label each row so its order remains clear during sewing.

Borders, backing & binding

All border lengths below assume an accurately pieced 66 1/2" center. Measure your center and adjust lengths if needed.



66" center + 1" white + 6" outer

Add in this order	Cut TWO strips
White sides	1 1/2" x 66 1/2"
White top / bottom	1 1/2" x 68 1/2"
Outer sides	6 1/2" x 68 1/2"
Outer top / bottom	6 1/2" x 80 1/2"

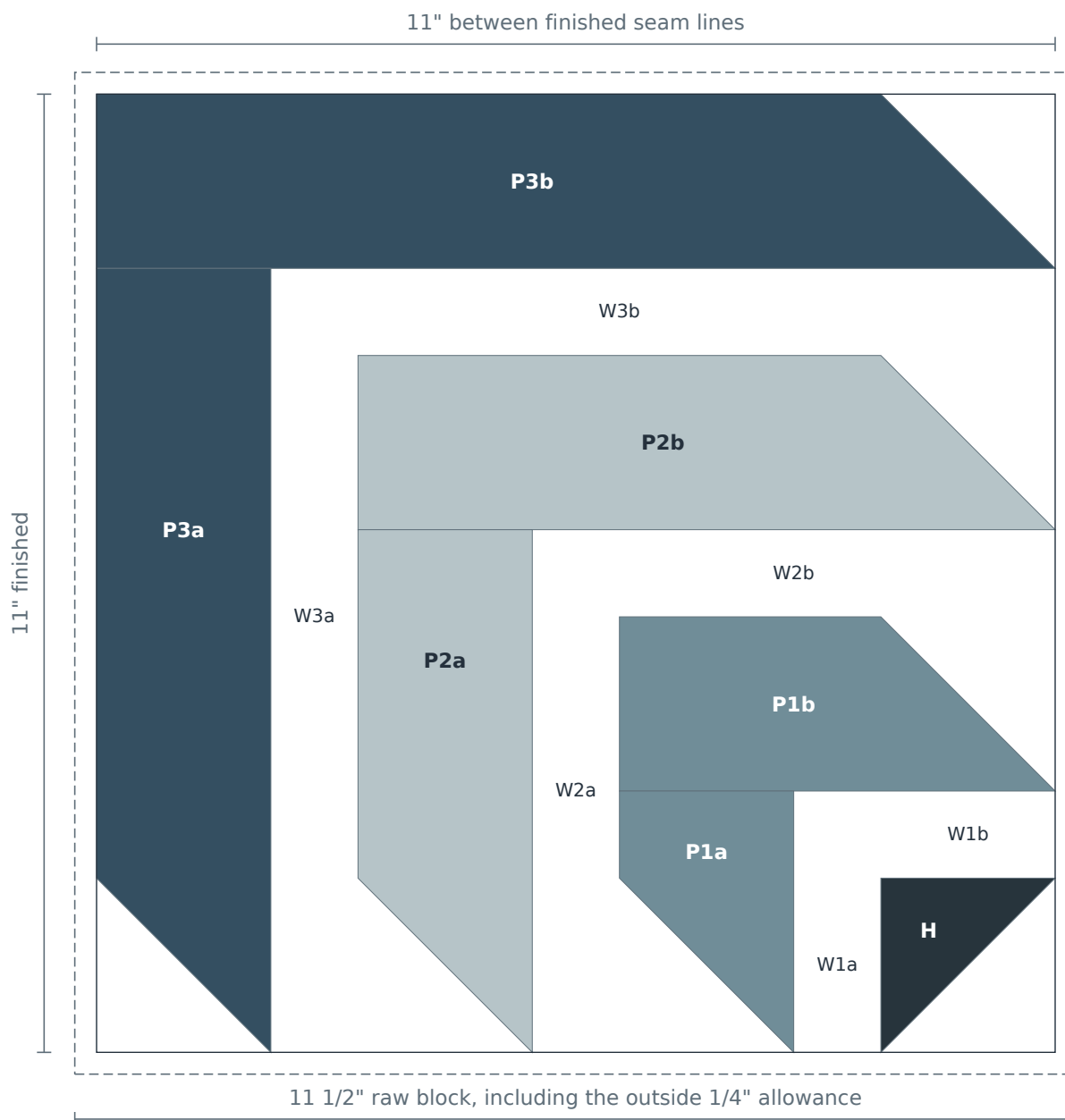
Join WOF border strips with straight 1/4" seams, press the joins open, then cut the listed lengths. Match centers and quarter points when attaching; keep the edges relaxed. The bordered top measures 80 1/2" square.

- Backing option 1:** from 2 1/2 yards of 108"-wide fabric, prepare a 90" x 90" backing.
- Backing option 2:** from 7 1/2 yards of regular-width fabric, cut three 90" lengths. Trim each to 31" wide; join the long edges with 1/2" seams and press open. The joined backing is 91" x 90"; trim to 90" square.
- Layer and quilt:** place the backing wrong side up, then batting, then the quilt top right side up. A 90" square gives about 4 3/4" extra on each side of this top. Baste from the center outward and quilt with spacing suitable for your batting. Confirm any different backing requirements with your quilter.
- Binding:** cut nine 2 1/2" x WOF strips from the 3/4 yard. With 40" usable strips and diagonal joins, the continuous binding is about 340" long, enough for the 322" raw perimeter plus joining allowance. Press the joins open, fold lengthwise wrong sides together, and press.

After quilting, square the edges while preserving the outside border. Attach the folded binding with a 1/4" seam, miter the corners, join the tails, and fold the binding to the back to stitch it down. Quilting shrinkage and the chosen binding finish affect the final measured size.

The complete Wonder Star block

Orientation A, shown at reduced scale. Codes match the cutting chart. This is a rotary-cut, conventionally pieced block.



Reading the block: H is the center HST. W1-W3 are the three narrow white pairs. P1-P3 are the three matching print pairs; a is the shorter left strip and b is the longer top strip. The six white tip triangles come from the S squares. Keep the point ends 1/4" inside the raw boundary.

Sources and credit: North Star, Missouri Star Quilt Company, demonstrated by Jenny Doan. The supplied photo and materials image were used to check the layout and dimensions. This guide provides newly written instructions, calculated cuts and newly drawn diagrams; it is not the publisher's purchased pattern.

[Watch the original video](#) | [Official tutorial and transcript](#) | [Publisher and corner clarification](#)