



And Half Square Triangle Inspiration

Paint Chip Challenge Details

- **Make whatever you like ... quilt, runner, pillow, wall hanging, bag, even clothes.**
- **To enter you must pick 3 paint chips from our collection and use your assigned colors in a predominate way. Looking at your project we should see those 3 colors more than any other colors.**
- **Please match your paint chip colors AS CLOSELY AS POSSIBLE, and no switching out colors, on your honor as a fellow quilter!**

Rules

- **Must include 5 different half square triangle designs ... more details in presentation to come**
- **1 maker please. Remember this is a CHALLENGE, if quilting isn't your thing. Do a small project with minimal quilting, do quilt as you go, do big thread stitching, do hand tied - lots of options besides long arm machine quilting.**
- **Your project must be completed by our November 9, 2023 meeting and submitted with your entry form AND your 3 paint chips attached.**

Questions

- I didn't really like my paint colors - can I switch out my chip colors? NO! On your honor please
- What about those not able to be here tonight, to get paint chips? Someone may get yours for you (no switching) and we will also have paint chips for drawing at the April and May meetings but after that, entries are closed.
- Do I have to do 5 HST designs? Yes, just five but 5 different ones, whatever size, somewhere in the project
- Can someone else quilt my project for me? NO, sorry - 1 maker onl

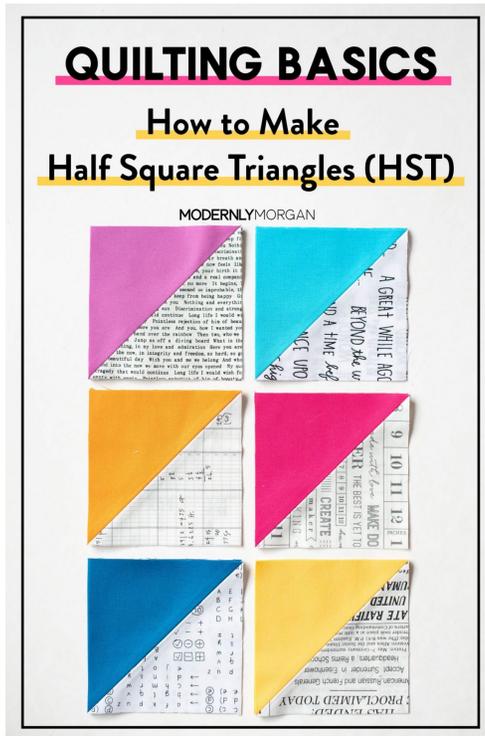
Questions Continued

- **Can I use more than my 3 colors? Yes, use whatever you'd like ... just keep those 3 colors prominent ... seen more than the others.**
- **Can I do appliqué or other quilt block designs? Yes, absolutely. It does NOT have to be mostly HST's.**
- **Do I need to keep my paint chips after I've matched them to some fabric? YES! Your paint chips MUST be attached to your entry form, for it to be accepted into the challenge.**
- **Will there be prizes? YES! 5 chances at a prize, including viewer's choice.**

We will instruct you how to line up for your 3 color paint chips drawing at the end of the meeting, so don't leave please!

**Now for some
Half Square Triangle inspiration ...**

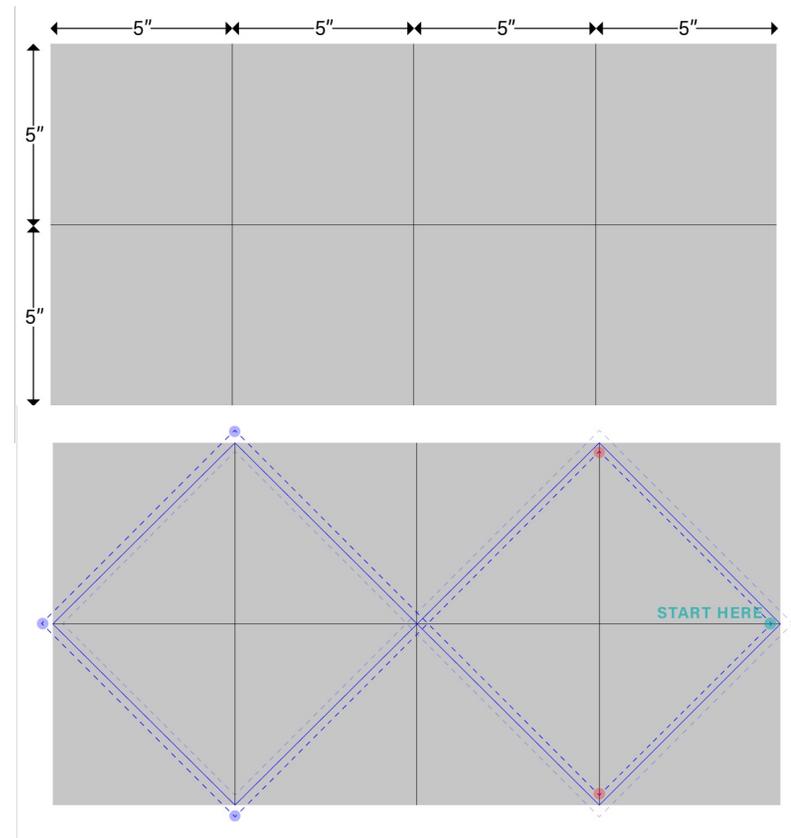
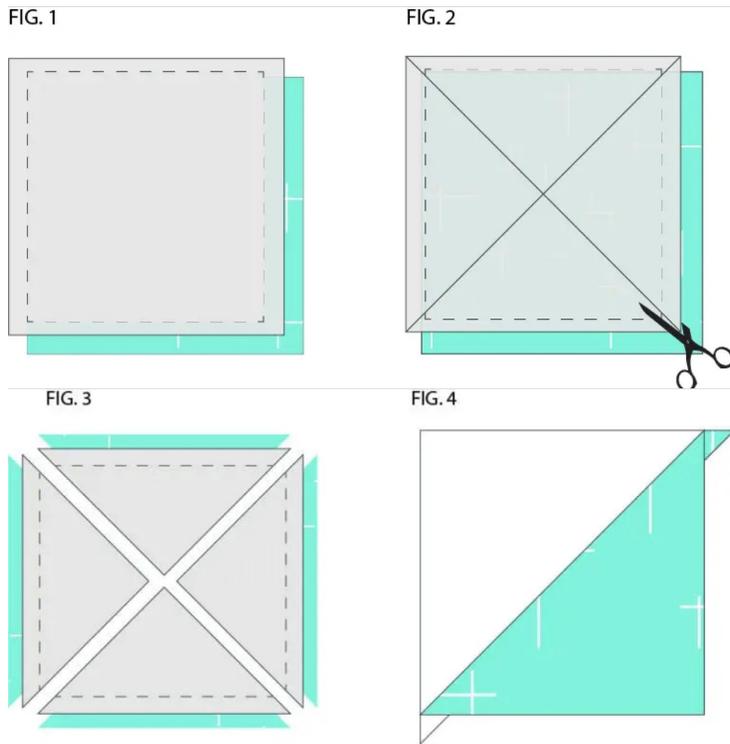
What is a Half Square Triangle...HST??



How do I make them

<https://www.youtube.com/watch?v=hM2jHjci64w>

There are several ways to make multiple HST's at a time - a real timesaver if your project has a lot of them.





Half Square Triangle (HST) Cheat Sheet (Revised)

Sizes are in inches.

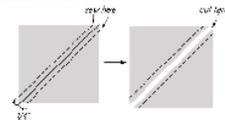
I want my HSTs (Half Square Triangle squares) to be:		Cut my squares this size if:	
HST square size INCLUDING 1/4" seam allowance (size before you sew it into quilt)	size NOT INCLUDING 1/4" seam allowance (size after sewn into quilt)	*I want my HST squares to be exactly the size shown at LEFT in yellow	**I want my HST squares to be a little big so I can trim them to the size shown at LEFT in yellow
1	1 1/2	1 3/8	1 5/8
1 1/2	1	1 7/8	2 1/8
2	1 1/2	2 3/8	2 5/8
2 1/2	2	2 7/8	3 1/8
3	2 1/2	3 3/8	3 5/8
3 1/2	3	3 7/8	4 1/8
4	3 1/2	4 3/8	4 5/8
4 1/2	4	4 7/8	5 1/8
5	4 1/2	5 3/8	5 5/8
5 1/2	5	5 7/8	6 1/8
6	5 1/2	6 3/8	6 5/8
6 1/2	6	6 7/8	7 1/8
7	6 1/2	7 3/8	7 5/8
7 1/2	7	7 7/8	8 1/8
8	7 1/2	8 3/8	8 5/8
8 1/2	8	8 7/8	9 1/8
9	8 1/2	9 3/8	9 5/8
9 1/2	9	9 7/8	10 1/8
10	9 1/2	10 3/8	10 5/8
10 1/2	10	10 7/8	11 1/8
11	10 1/2	11 3/8	11 5/8
11 1/2	11	11 7/8	12 1/8
12	11 1/2	12 3/8	12 5/8
12 1/2	12	12 7/8	13 1/8

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The Formula:
 *Take the size that you want your completed HST square to be (size in finished quilt, NOT including the seam allowance) and ADD 7/8".
 EXAMPLE: if you want your finished HST square to be 2 1/2" (which means that it will be 3" before you sew it into your project using a 1/4" seam allowance), then cut your squares 3 3/8" (2.5 + .875= 3.375).

**If you want to make your HST squares a little big so you can trim them to the perfect size (this is my favorite method), take the size the you want your completed HST square to be (size in finished quilt, NOT including the seam allowance) and add 1 1/8".
 EXAMPLE: if you want your finished HST square to be 2 1/2" (which means that it will be 3" before you sew it into your project using a 1/4" seam allowance), then cut your squares 3 5/8" (2.5 + 1.125= 3.625). This will yield HST squares which are about 3 1/4"; trim them to the desired 3".

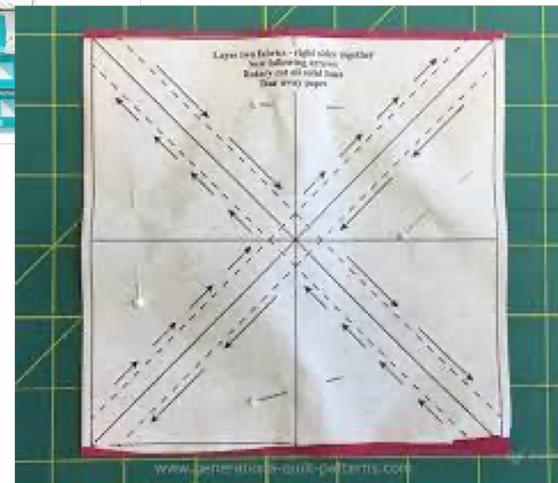
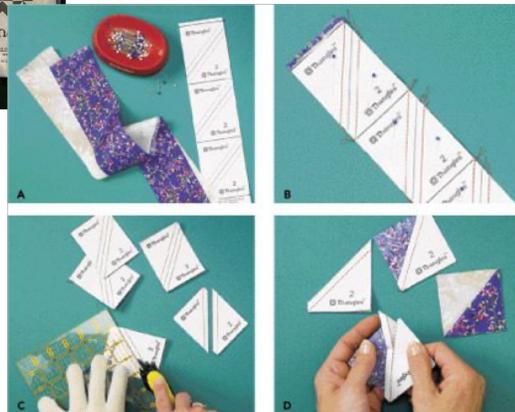
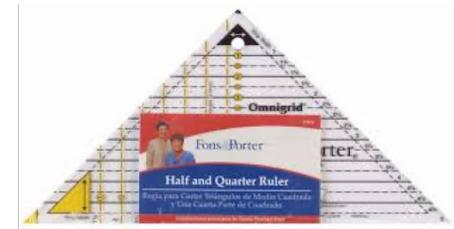
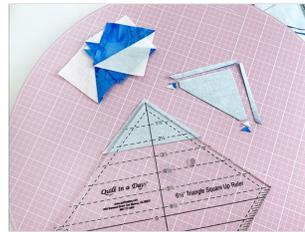
The Method:
 Place your cut squares RIGHT sides together. Draw a line down the center diagonally. Now draw a line 1/4" from each side of the center drawn line.
 Sew on the 2 side lines, cut down the center line.
 (You can also skip drawing those side lines, and just draw the line down the center. Then sew 1/4" on either side using your 1/4" gauge/mark on your machine. But I personally like to draw the extra lines to be sure that I'm accurate.)



HALF-SQUARE TRIANGLES SIZE CALCULATOR USING THE 4-AT-A-TIME METHOD

FINISHED SIZE	UNFINISHED SIZE	STARTING SQUARE
1"	1.5"	2.5"
1.5"	2"	3.25"
2"	2.5"	4"
2.5"	3"	4.75"
3"	3.5"	5.5"
3.5"	4"	6.25"
4"	4.5"	7.25"
4.5"	5"	8"
5"	5.5"	8.75"
5.5"	6"	9.5"
6"	6.5"	10.25"
6.5"	7"	11"
7"	7.5"	11.75"
7.5"	8"	12.5"
8"	8.5"	13.5"
8.5"	9"	14.25"
9"	9.5"	15"
9.5"	10"	15.75"
10"	10.5"	16.5"

Of course there are products out there on the market to help you make HST's!



Caution: Do not confuse HST's with quarter triangles or flying geese ... or triangles with angles other than 45 degrees of HST's

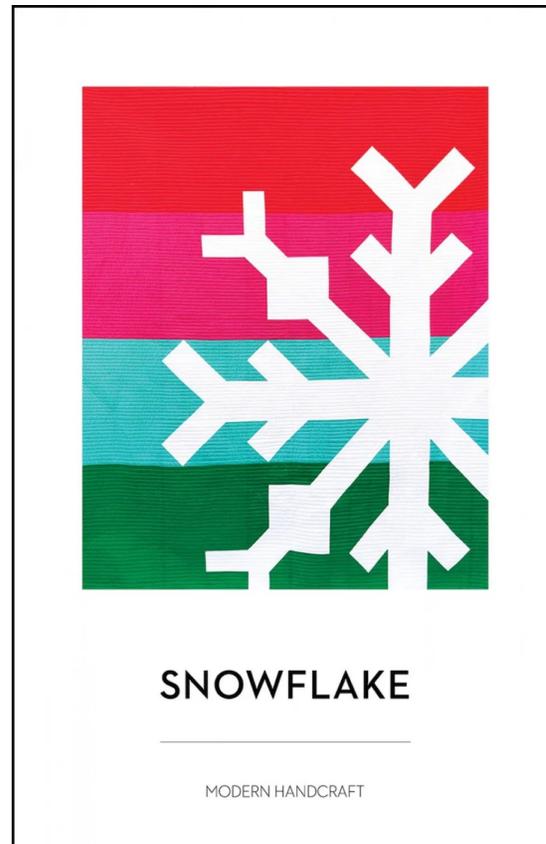
The image contains several diagrams and quilt patterns:

- Top Left:** A 3x2 grid of squares, each divided into four triangles by a diagonal. The top-left and bottom-right triangles are shaded gray. This diagram is crossed out with a red 'X'.
- Top Middle:** A rectangle divided into two triangles by a diagonal. This diagram is crossed out with a red 'X'.
- Top Right:** A diagram of an equilateral triangle with all three sides labeled '6' and all three angles labeled '60°'. The word 'Equilateral' is written above it. This diagram is crossed out with a red 'X'.
- Middle Left:** A 3x2 grid of squares, each divided into four triangles by a diagonal. The top-right and bottom-left triangles are shaded gray. This diagram is crossed out with a red 'X'.
- Middle Right:** A quilt panel showing a row of colorful triangles pointing up and down. This panel is crossed out with a red 'X'.
- Bottom Left:** A 3x4 grid of squares, each divided into four triangles by a diagonal. The top-left and bottom-right triangles are shaded gray. A blue arrow points to this diagram with the word 'Correct' written above it.
- Bottom Middle:** A diagram of a right-angled triangle with a 90° angle at the bottom-left, and 45° angles at the top and bottom-right. The hypotenuse is labeled with the number '2'. This diagram is labeled 'Correct' with a blue arrow pointing to it.
- Bottom Right:** A quilt panel showing a grid of colorful triangles pointing up and down. A blue arrow points to this panel with the word 'Correct' written above it.

**Now to INSPIRE you with
Half Square Triangle quilts**

Simple yet creative options ... the sky is the limit!





Snowflake Quilt Kit - Black & White







FLYING CONFETTI, TURNABOUT PATCHWORK



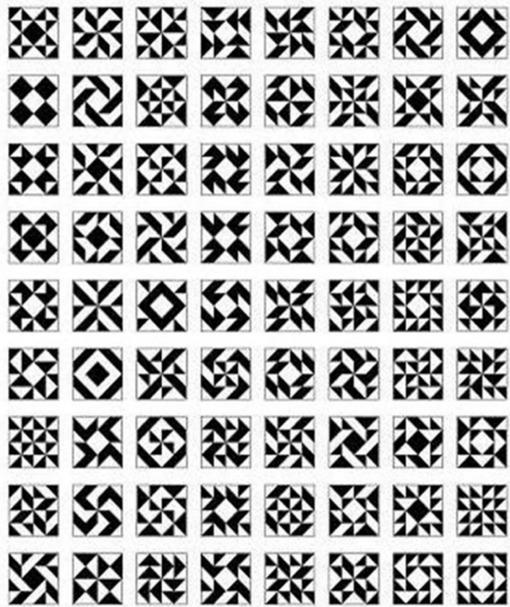


Maria - style ...



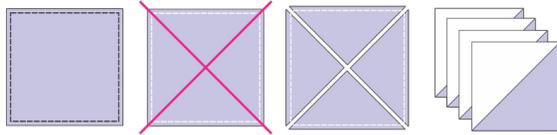
**Now let's focus more on challenge worthy
HST quilts ... those with 5 or more HST
designs**

WAY more than 5 designs out there ...

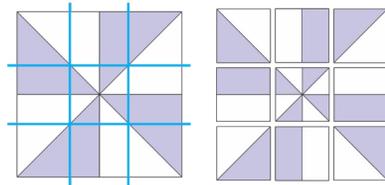


Disappearing Pinwheel

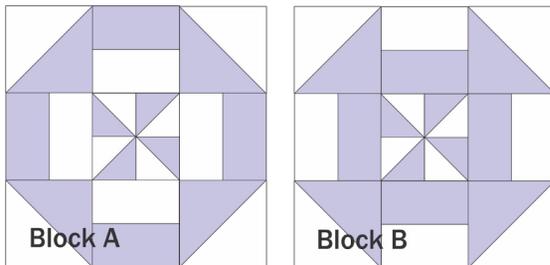
Make a pinwheel however you like...



Cut
block
into 9
equal
parts:



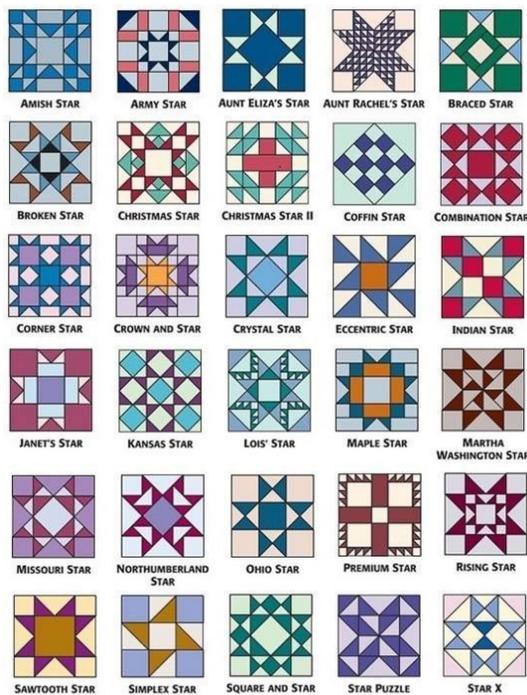
Rearrange for two different looks:



**Demo has been done on these variations,
all coming from one pinwheel**

See display table in foyer

Star blocks, always a fave, can certainly be done with HST's in way more than 5 different ways





Row quilts offer great options for showcasing different designs ...



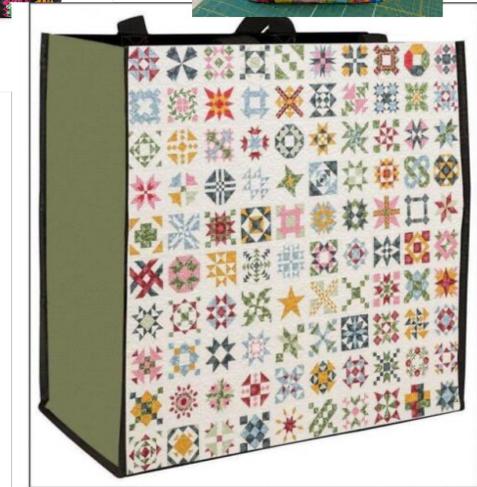
Samplers



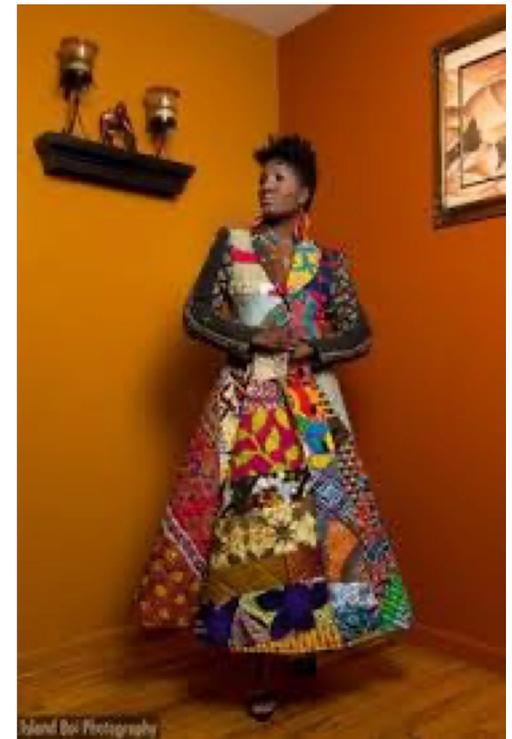
Be careful
to include
5 different
designs ...



Challenge accepted in pillows, table runners, bags



Challenge accepted in clothing



Now ...what can YOU do with Half Square Triangles?

For the challenge, include 5 different HST designs
AND feature your 3 paint chip colors.
Good luck and can't wait to see all the creativity pouring out!