

## 1. Accurate Maths:(2.20 min)

This method requires cutting a square from both colours you want in your unit, with the exact amount for the  $\frac{1}{4}$ " seams on all edges of the triangle shape.

Cut your squares  $\frac{7}{8}$ " larger than the finished size square you want in your quilt.

Cut each square on 1 diagonal  then sew 2 different coloured triangles together along the long edges ( this is a bias edge).

OR draw a diagonal line on wrong side of 1 square, place the 2 fabrics right sides together, then sew an accurate  $\frac{1}{4}$ " seam both sides then cut apart.

## 2. Trim method: (4.05 min)

This method allows for the unit to be stitched then trimmed to accurate size required.

In each of the two colours for your unit, cut a square 1" larger than the finished size square you want in your quilt. Place squares right sides together and draw on 1 diagonal on the lighter fabric.

Sew on both sides of a drawn diagonal line using a scant  $\frac{1}{4}$ " seam, press open or to 1 side depending on where the unit will be used. Trim to the required size — make sure the seam is into the corners.

Size of Finished Unit in Quilt	Accurate Maths cut fabric size (finished size	Trim method: Cut fabric size ( finished size + 1" )	Final Unit size including seam allowances
1"	$1\frac{7}{8}$ "	2"	$1\frac{1}{2}$ "
$1\frac{1}{2}$ "	$2\frac{3}{8}$ "	$2\frac{1}{2}$ "	2"
2"	$2\frac{7}{8}$ "	3"	$2\frac{1}{2}$ "
$2\frac{1}{2}$ "	$3\frac{3}{8}$ "	$3\frac{1}{2}$ "	3"
3"	$3\frac{7}{8}$ "	4"	$3\frac{1}{2}$ "
$3\frac{1}{2}$ "	$4\frac{3}{8}$ "	$4\frac{1}{2}$ "	4"
4"	$4\frac{7}{8}$ "	5"	$4\frac{1}{2}$ "
$4\frac{1}{2}$ "	$5\frac{3}{8}$ "	$5\frac{1}{2}$ "	5"
5"	$5\frac{7}{8}$ "	6"	$5\frac{1}{2}$ "
$5\frac{1}{2}$ "	$6\frac{3}{8}$ "	$6\frac{1}{2}$ "	7"
6"	$6\frac{7}{8}$ "	7"	$7\frac{1}{2}$ "
$6\frac{1}{2}$ "	$7\frac{3}{8}$ "	$7\frac{1}{2}$ "	8"
7"	$7\frac{7}{8}$ "	8"	$8\frac{1}{2}$ "

For smaller sizes you may prefer the multiple unit style construction using paper foundation system described in my video.

The sizes for my favourite smaller units are on separate sheets for you to download and use.

3. **Multiple cut (10.50min)** To make 8 HST's of the same colour combination we take the size of the cut square (eg.5" for trim method) we need to make our chosen unit size, (you can also use this for the accurate method). Now cut a large square 2 x the single size (eg.10")

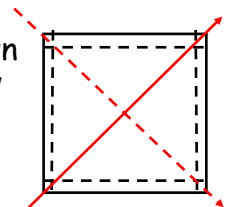
Draw in 2 diagonal lines and sew a scant seam both sides of both lines.

Cut the large square into 4 smaller squares, the cut on the diagonals—trim to size for the trim method (if using accurate method there is no more trimming required).

4. **Modern Methods:(14.06 min)**

Many quilters like to use fast methods to make their quilts, and with the many pre-cut fabrics available there are different options for this.

Using "layer cake" squares ( 10"shown as red in the chart) or cut your own to the size you want — place 2 squares right sides together and sew a  $\frac{1}{4}$ " seam around all 4 edges, then cut on the 2 diagonals (this gives 4 HST units) , press the seams and trim to  $6\frac{1}{2}$ " squares.



To work out the size of square you need for this method, refer to chart below.

Column 1 is the "Finished size" you want in your quilt

Column 2 is the diagonal of that square

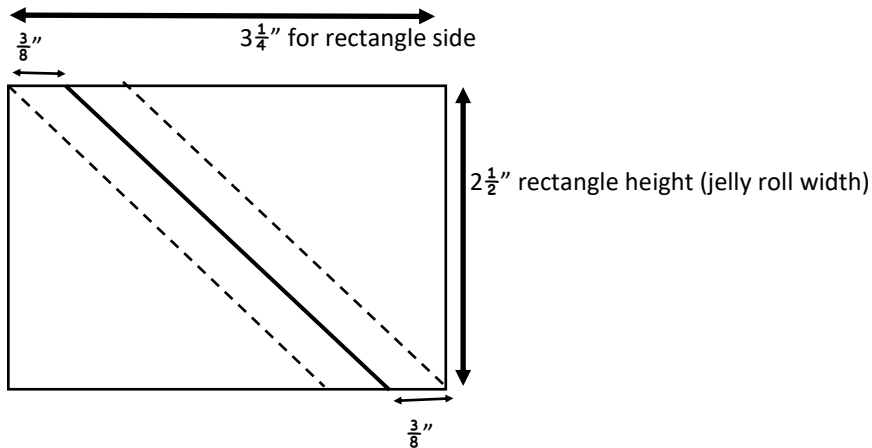
Column 3 is the size to cut your square size for the accurate method OR

Column 4 is the size to cut your square size for the trim method.

Column 1	Column 2	Column 3	Column 4
2 $\frac{1}{2}$ "	3 $\frac{1}{2}$ "	4 $\frac{3}{4}$ "	5"
3"	4 $\frac{1}{4}$ "	5 $\frac{1}{2}$ "	5 $\frac{3}{4}$ "
3 $\frac{1}{2}$ "	5"	6 $\frac{1}{4}$ "	6 $\frac{1}{2}$ "
4"	5 $\frac{5}{8}$ "	6 $\frac{7}{8}$ "	7 $\frac{1}{8}$ "
4 $\frac{1}{2}$ "	6 $\frac{3}{8}$ "	7 $\frac{5}{8}$ "	7 $\frac{7}{8}$ "
5"	7 $\frac{1}{8}$ "	8 $\frac{3}{8}$ "	8 $\frac{5}{8}$ "
5 $\frac{1}{2}$ "	7 $\frac{3}{4}$ "	8"	8 $\frac{1}{4}$ "
6"	8 $\frac{1}{2}$ "	9 $\frac{3}{4}$ "	10"
6 $\frac{1}{2}$ "	9 $\frac{1}{4}$ "	10 $\frac{1}{2}$ "	10 $\frac{3}{4}$ "
7"	9 $\frac{7}{8}$ "	11 $\frac{1}{8}$ "	11 $\frac{3}{8}$ "
7 $\frac{1}{2}$ "	10 $\frac{5}{8}$ "	11 $\frac{7}{8}$ "	12 $\frac{1}{8}$ "
8"	11 $\frac{3}{8}$ "	12 $\frac{5}{8}$ "	12 $\frac{7}{8}$ "

## 5. Jelly Roll Method (32.50min)

- A. If you are using pre cut  $2\frac{1}{2}$ " strips and want a 2" finished square in your quilt with the bias on the diagonal seam, you can cut  $3\frac{1}{4}$ " rectangles, draw in a diagonal seam  $\frac{3}{8}$ " from each end as shown and sew  $\frac{1}{4}$ " either side, cut apart on the drawn line.



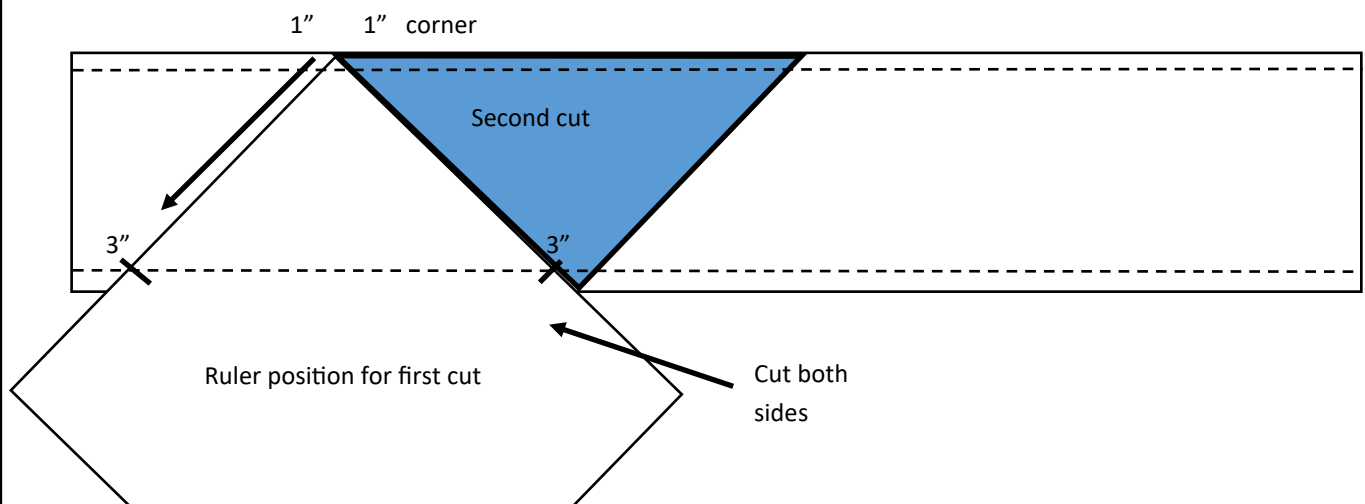
- B. A quick way to create half square triangles (up to 3" finished in your quilt) using the pre cut  $2\frac{1}{2}$ " strips is to place 2 strips together and sew  $\frac{1}{4}$ " down both long edges. Using the 1/1 corner of your  $4\frac{1}{2}$ " or  $6\frac{1}{2}$ " square ruler toward the top edge (as shown on the diagram) and the 3" line on each side of the ruler on the sewn line, cut both sides of the ruler as diagrammed below.

(Release the couple of stitches in the corner point )

Place the ruler up the other way on the opposite edge and cut the second unit.

Keep alternating the ruler for as many units as required.

Please note the bias is on the outside cut edge of this created half square triangle unit so handle with care to prevent stretching (try spray starching before cutting).



### 6. Foundation Piecing HST (17.30min)

This method is mainly for the smaller sized units when you need multiple units of the same colour combination.

- a. For the foundation piecing you need to print a page for the size you wish your units to be, then trim to approximately  $\frac{1}{4}$ " larger than the outer solid line.
- b. Cut 2 fabrics you wish to use, the same size as the trimmed paper.
- c. Place the fabrics right sides together, then pin the paper on top
- d. Sew on all the black dash lines using a smaller stitch length (suggest 1.5).
- e. First trim the outer edges accurately on the solid line  
Now cut vertical and horizontal black lines.  
Finally cut on the diagonal lines.
- f. Remove the paper carefully, then press seams open or to one side.

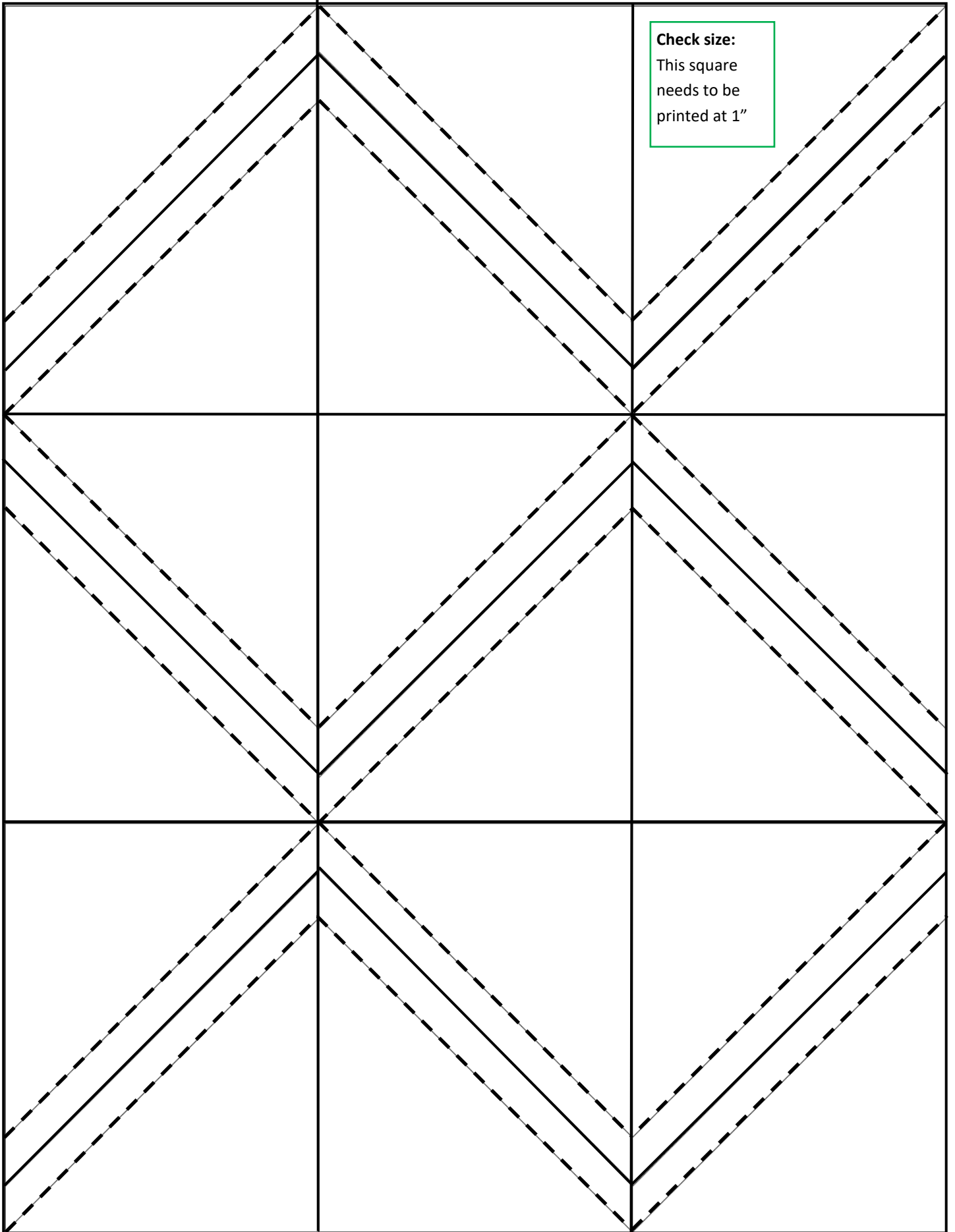
The three pages provided for you to print are for "Finished" in the quilt HST of 2",  $1\frac{1}{2}$ " & 1".

These are the more common sizes, however you can copy to a different % if you want sizes in between these.

Foundation sheet for 2" Finished HST

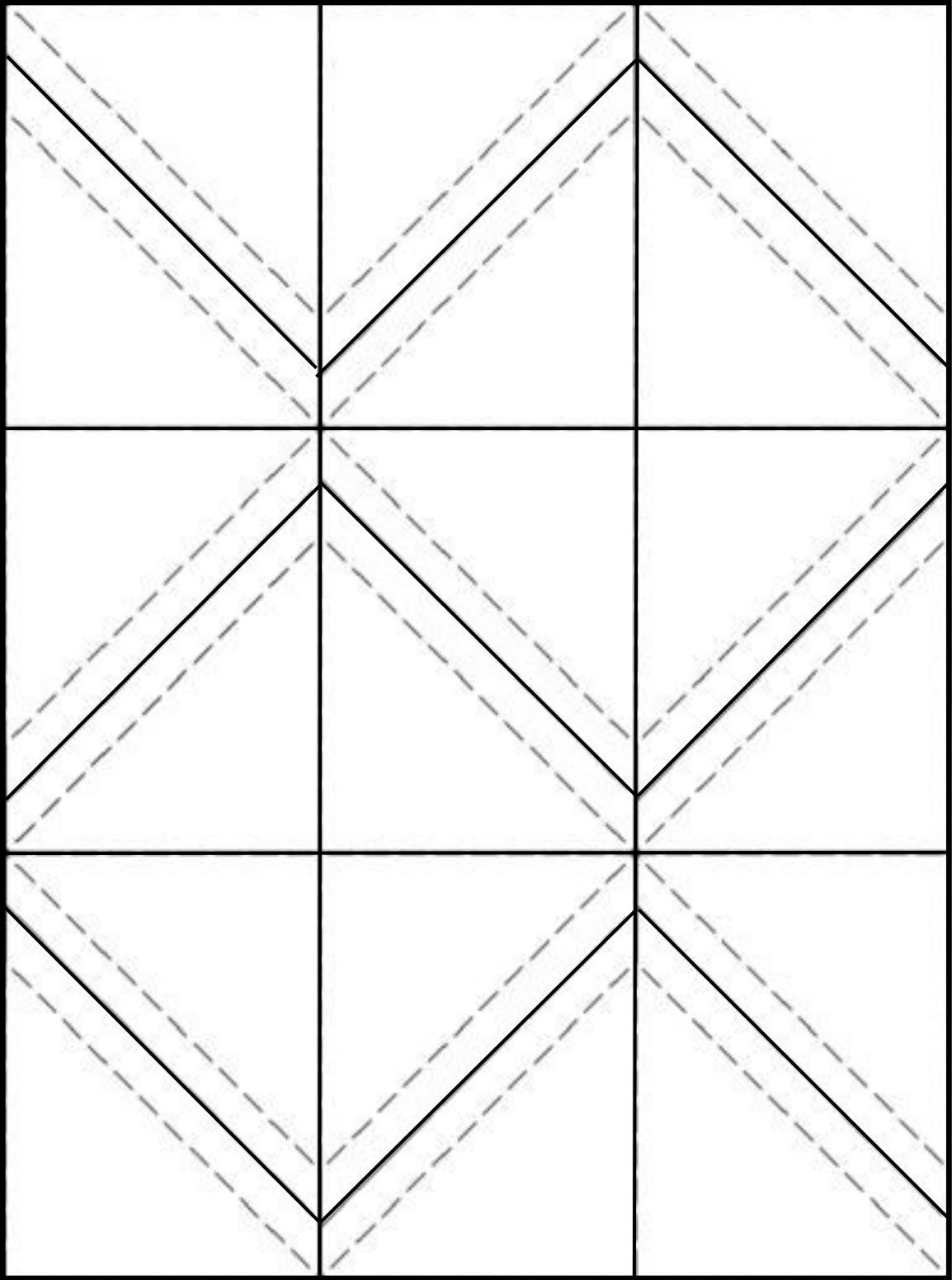
**Check size:**

This square  
needs to be  
printed at 1"



Foundation sheet for 1½" Finished HST

Check size:  
This square  
needs to be 1"  
printed



Foundation sheet for 1" Finished HST

Check size:  
This square  
needs to be 1"  
printed

