

Math Formulas for Starting Squares for HST

2 at a time = Finished triangle unit + 1"

Example: $3+1 = 4$ " starting square = 3" finished HST units

4 at a time = Unfinished triangle unit/.64 round to nearest $\frac{1}{4}$ "

Example: $3\frac{1}{2}"/.64 = 5.46$ or 5.5" starting square = 3" finished HST units

8 at a time = (Finished size of triangle unit x 2) + $1\frac{3}{4}$

Example: $= (2"x2) + 1\frac{3}{4} = 5\frac{3}{4}$ " starting square = 2" finished HST units

16 at a time = Unfinished size of triangle unit x 3.25 round up to nearest $\frac{1}{4}$ "

Example: $3\frac{1}{2}x3.25 = 11.375$ Round up to 11.5" starting square = 3" finished HST units

32 at a time = (Unfinished size of triangle unit x4) +3

Example; $= (3\frac{1}{2}x4) +3 = 17$ " starting square = 3" finished HST unit

Acknowledgements

You Tube Sources:

Homemade Emily Jane

Sara's Quilting Journey

Fons and Porter's Love of Quilting

Handy Tools:

Creative Grids Seam Guide Tool 9" and 15"

Clearly Perfect Slotted Trimmers by New Leaf Stitches

2 Half Square Triangles at a Time

Formula for Beginning Square – Finished Triangle Unit + 1"

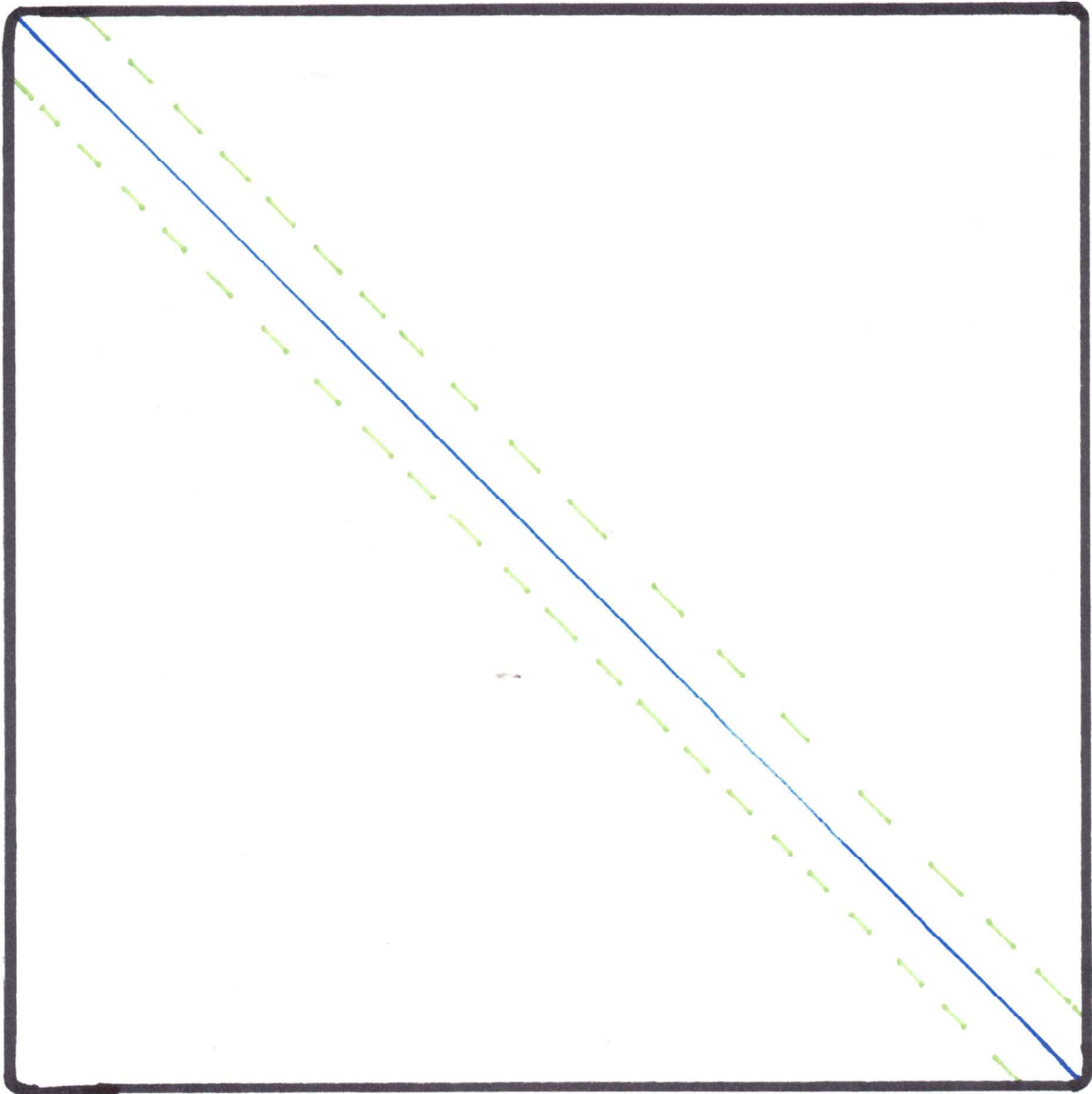
$$3'' + 1'' = 4'' \text{ square}$$

(This gives room for cutting down)

Cutting Pattern

Blue Line = sewing guide and cutting line

Green lines = stitching lines

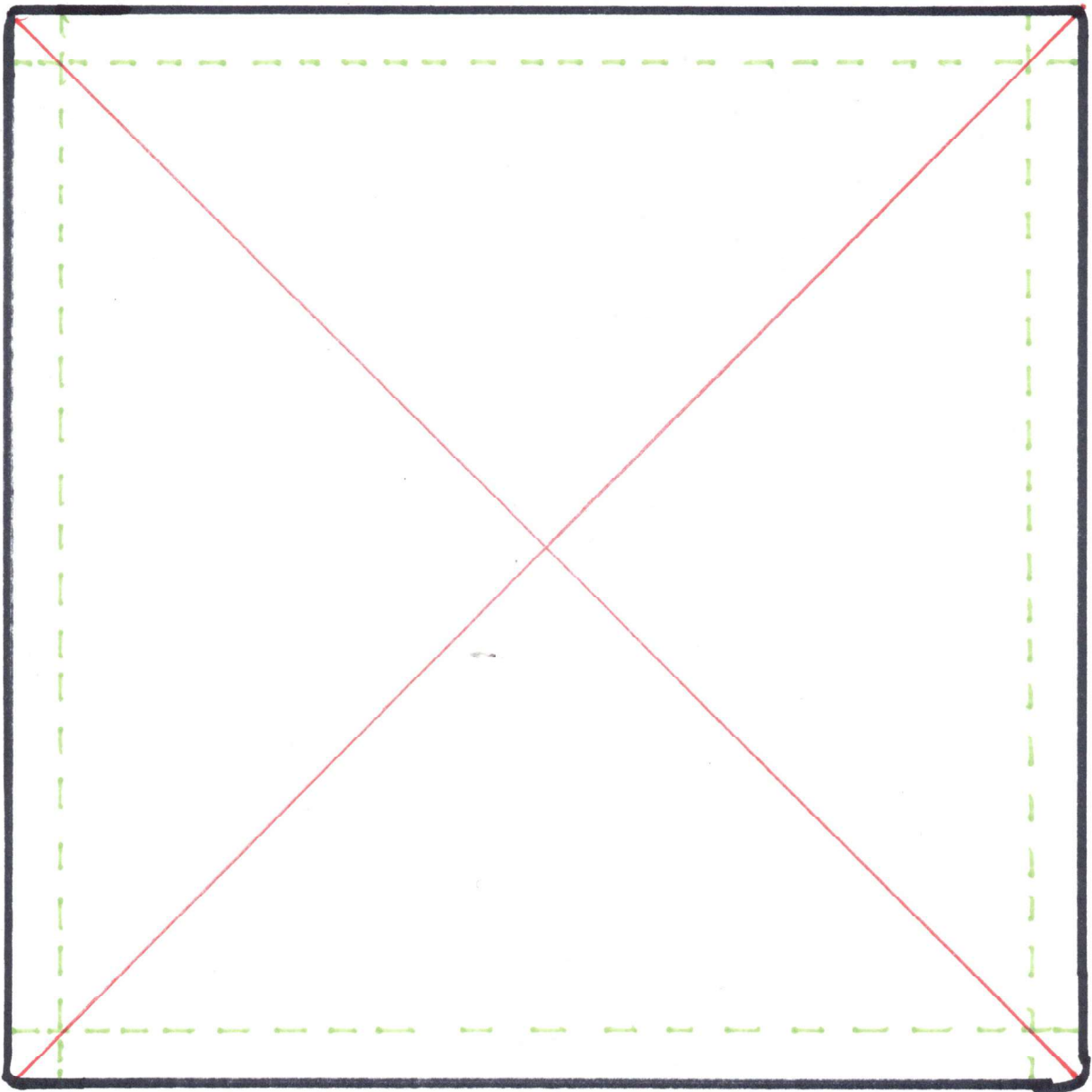


4 Half Square Triangles at a Time

Formula for beginning square –
Unfinished size of unit/.64 Round up to nearest $\frac{1}{4}$ "
 $3\frac{1}{2}"/.64 = 5.46$ or 5.5 " square
(This gives room for trimming down)

Cutting Pattern

Green lines = stitching lines
Red lines = cutting lines ONLY



8 Half Square Triangles at a time

Formula for beginning squares – finished size of the triangle unit x 2 + 1 3/4"

For a 2" finished size of unit $(2" \times 2) + 1 \frac{3}{4} = 5 \frac{3}{4}"$

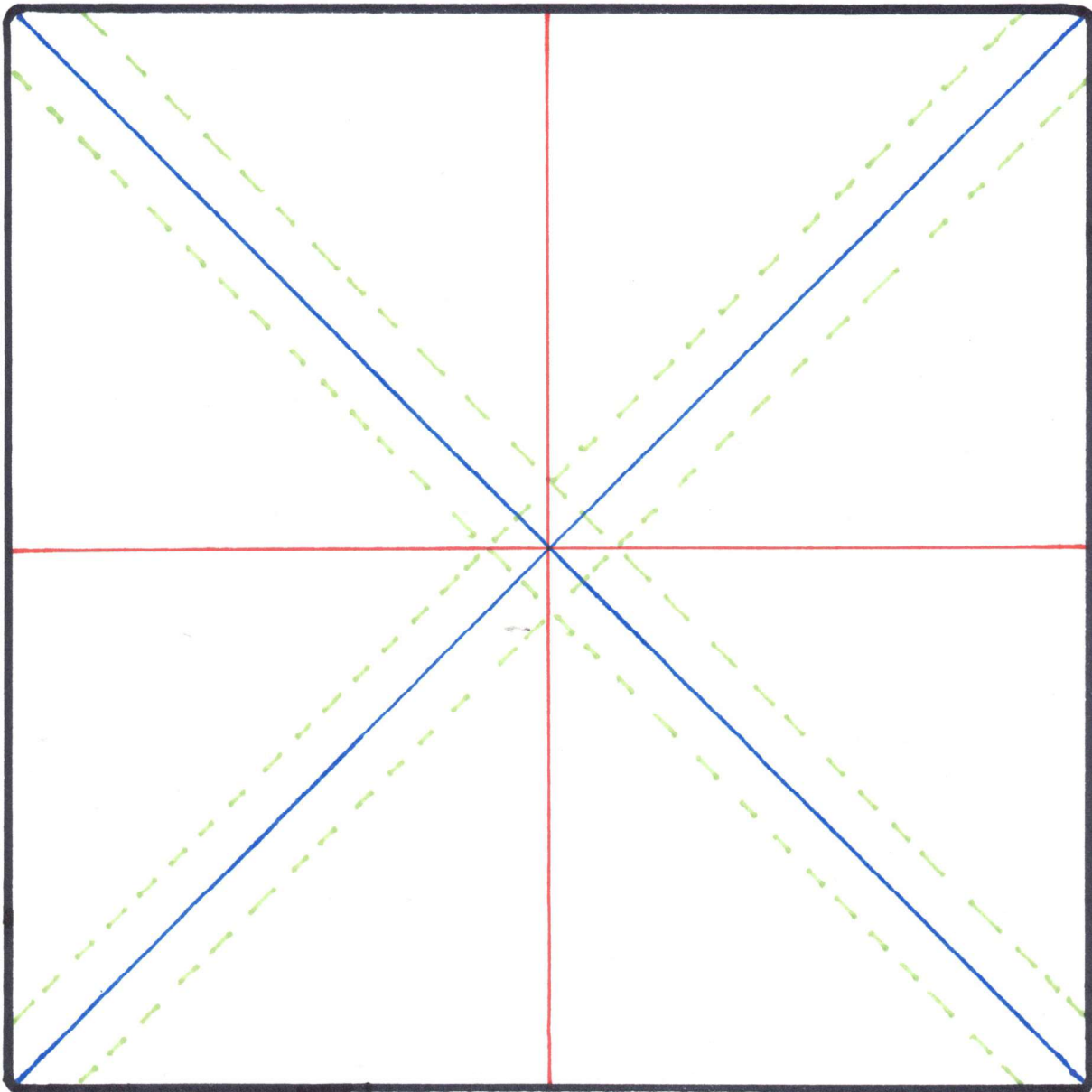
(This gives room for trimming down)

Cutting Pattern

Blue lines = sewing guides and cutting lines

Green lines = stitching lines

Red lines = cutting lines ONLY



16 Half Square Triangles at a Time

Formula for starting squares – UNFINISHED size of triangle unit x 3.25

For a 3 ½" unit take $3 \frac{1}{2} \times 3.25 = 11.375$. Round up to 11 ½"

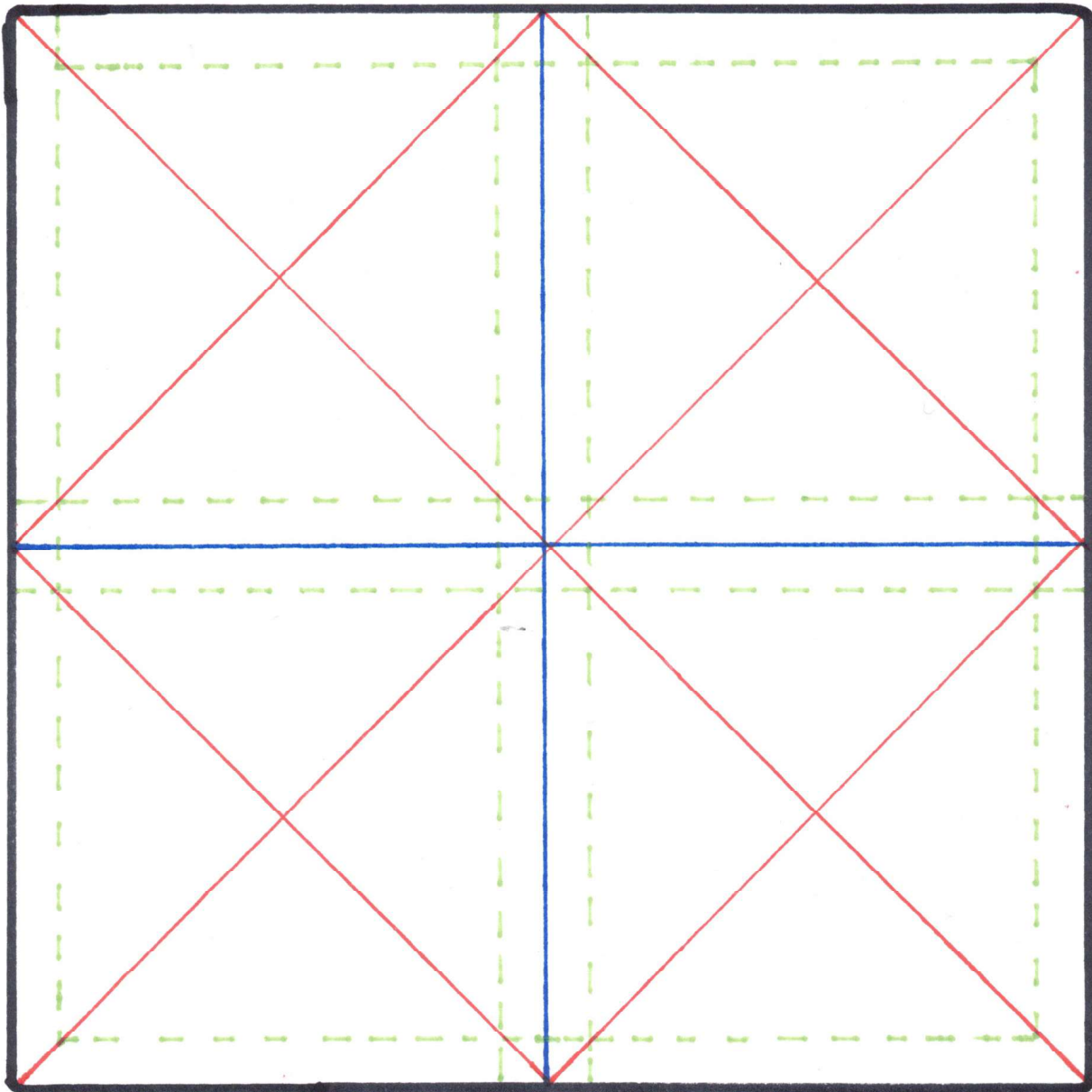
(This gives room for trimming down)

Cutting Pattern

Blue lines = Sewing guides and cutting lines

Green lines = Sewing lines

Red lines = Cutting lines ONLY



32 Half Square Triangles at a Time

Formula for starting squares – (UNFINISHED size of triangle unit x4) + 3

For a 2 ½" finished size of unit = (3"x4) +3 = 15"
(this gives room for trimming down)

Blue lines = sewing guides and cutting lines

Green lines = sewing lines

Red lines = Cutting lines ONLY

