



TRIANGLE TIPS

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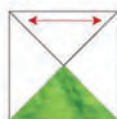


HST



*2 HALF SQUARE TRIANGLES
= SQUARE
45° and 90° angles*

QST



*4 QUARTER SQUARE TRIANGLES
= SQUARE
45° and 90° angles*

HRT



*2 HALF RECTANGLE TRIANGLES
= RECTANGLE*

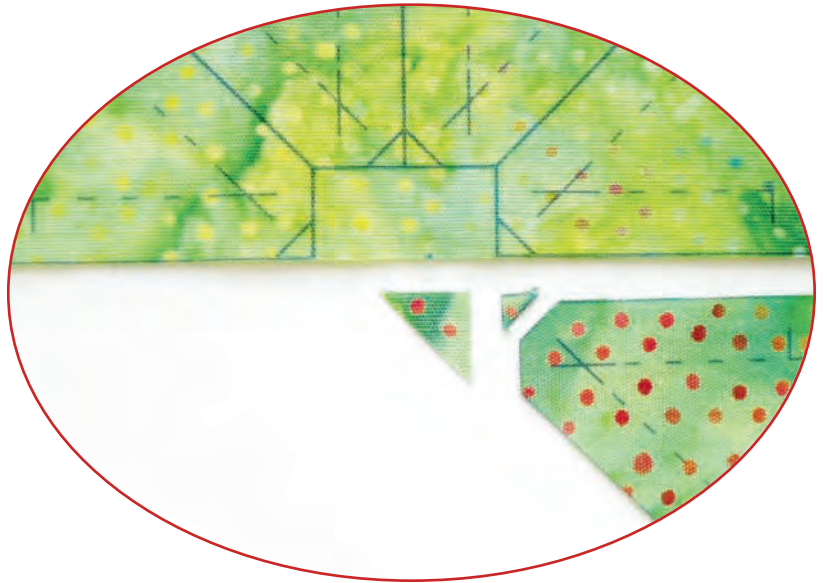
angle of the diagonal line varies
with the proportions of the rectangle

60° TRI



*ALL SIDES OF EQUAL LENGTH
all 60° angles*

PRECISE, SIMPLE, FAST



triangles

All inklingo shapes are named with the finished size, so that's all you need to know if you have a pattern. Ordinary patterns identify the finished sizes, with very few exceptions.

The description in the Inklingo Catalogue of Shapes will give you tips on how the shape can be used.

GEOMETRY IS NOT REQUIRED

If you know the finished sizes of the shapes in a pattern, you are ready to use Inklingo. When a pattern includes triangles, determine which edges need straight grain.



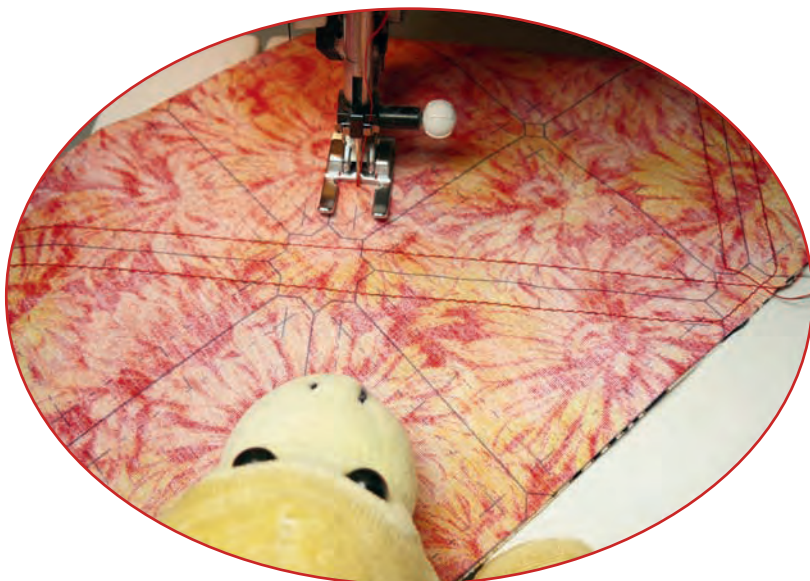
- HST have straight grain on the two short sides.
- QST have straight grain on the longest side.

inklingo PRECISION CORNERS

There are extra cutting lines at the corners of some shapes (above). Inklingo eliminates those pesky dog ears and makes it easier to match the ends of seams so you can stitch precisely, without guessing, even without a stitching line.

Sometimes cutting corners helps align the patches for precision stitching. It also reduces the bulk in intersections, which can be very important. Those precise lines are there, to cut now, or later, or not at all. On 90° corners, for example, there is not always an advantage.

by machine



MACHINE PIECING takes on new life with Inklingo. You will enjoy the precision and the simplicity of machine piecing without templates, special tools, or tricky techniques.

It is ironic that I got the first idea for Inklingo when I was teaching hand piecing. In the long run, Inklingo will have more impact on machine piecing and appliqué techniques! Inklingo lets us cut and sew in a simpler way, without measuring.

Machine piecing with Inklingo has all of the benefits listed in Chapter 1 of *The Inklingo Handbook* (free from www.inklingo.com) with even less printing than for hand piecing. Unlike Inklingo for hand piecing, when we machine piece, we usually do not print all of the patches, since stitching lines are not required.

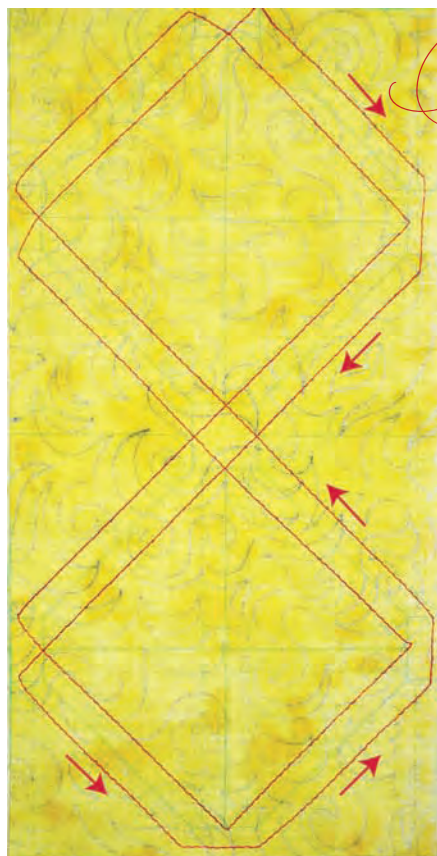
A sample of the creative thinking that Inklingo's precise cutting and stitching lines has unleashed is described on the next few pages, and there is more detail in *The Inklingo Handbook*.

Inklingo quilters have moved away from pre-printed triangle papers, specialty rulers, old-fashioned measuring, and template techniques, because Inklingo is precise, simple and fast!

Inklingo gives us precise stitching and cutting guides on the fabric itself. Of course, if you want to print Inklingo triangles on paper, you can, but I don't think you will want to when you have stitched the Inklingo way.

If you like what you see on the next few pages, and are hungry for more, your best source of Inklingo ideas and news is the Yahoo group. You can join from www.inklingo.com

inklingo **STITCH & CUT** has all the advantages of paper guides, without the paper!



SOME ADVANTAGES OF STITCH & CUT

1. PRECISE

- Perfect size without templates or special tools
- No measuring, so no mistakes
- Straight grain in all the right places
- Stretchy bias seams are stitched before they are cut so it is easier to avoid distortion and stretching
- Inklingo triangles have lines to nip the dog-ears and corners

2. SIMPLE

- The cutting lines are easier to see if you print the lighter fabric
- Difficult-to-print fabrics don't need to be printed at all
- Only one fabric is tested to choose the right ink color

3. FASTER AND EASIER TO MACHINE PIECE

- There is a stitching line to follow, without stitching paper
- Pinning is not usually necessary, but you can press fabric layers together to prevent shifting, if necessary

4. RESOURCEFUL

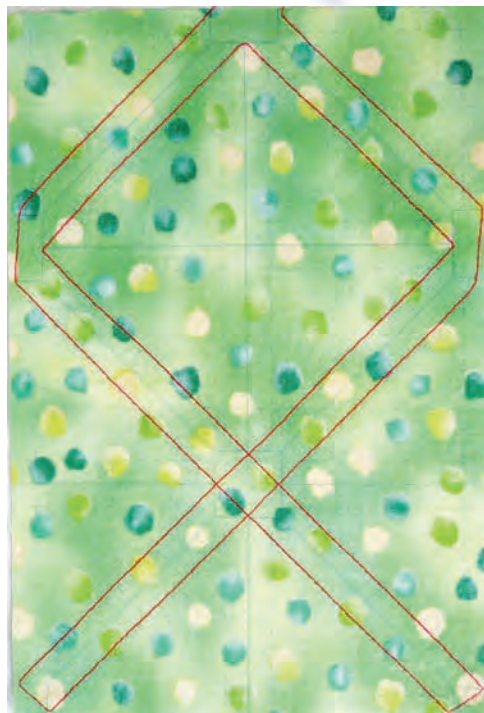
- Compatible with scraps. Print a large sheet of fabric for efficiency, and cut it into sizes that can be layered on small pieces.
- Very efficient use of fabric, since we trim the margins from the fabric after printing, and before layering with other fabrics

5. FLEXIBLE

- Unprinted layers can be made up of fabrics that have already been strip pieced (Wow!)
- Inklingo templates can also be printed on paper, but once you have printed on fabric, we don't think you will!

STITCH & CUT

HST



Only one fabric is printed
to make 12 perfect Sawtooth squares.



SAWTOOTH (HST square) = 2 half square triangles
straight grain on two short sides
45° and 90° angles

Half square triangles—HST for short—are some of the most common and useful patchwork shapes. Triangles, or two triangles in a square, are components of hundreds of quilt blocks, settings, and borders.

Inklingo makes it easier than ever before to make perfect half square triangles with no math, no measuring, no special rulers, no papers to buy, and no papers to remove. Since the stitching for Sawtooth squares is done before the triangles are cut apart, there are no stretchy edges.

With Inklingo, you just need to know the desired finished size.

FAST *inklingo* SAWTOOTH

1. *PRINT* the desired HST template on one fabric. Use the pages with triangles drawn within squares, not rectangles. See the note about layouts on the next page.

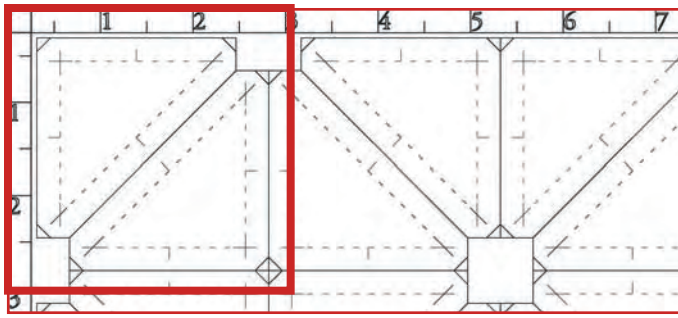
Every HST will have correct straight grain if you iron the freezer paper onto the right side of the fabric with straight grain along the edges (threads parallel). They will be perfect every time.

2. *LAYER* the printed fabric with a second fabric (unprinted), right sides together. (*Piece the unprinted layer for a special effect.*)

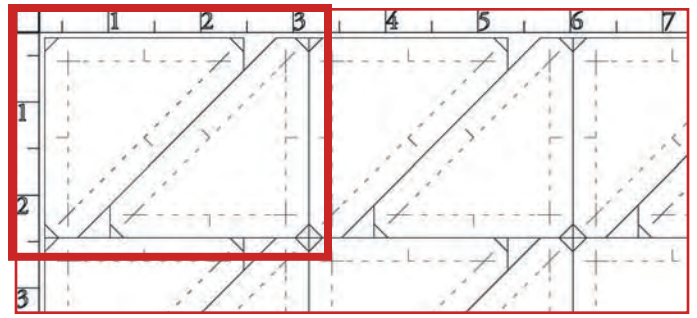
3. *STITCH* along diagonal dashed lines, as in the example (left).

4. *CUT* on ALL of the solid lines with scissors or a rotary cutter. No special ruler required.

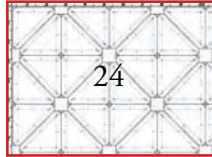
5. *PRESS*



HST ARRANGED IN SQUARES



HST ARRANGED IN RECTANGLES



1.65 inch HST in 8 x 10.75 inches, landscape



1.65 inch HST in 7 x 12.25 inches, landscape

Layouts

Inklingo triangles are often provided in two formats.

- HST are usually provided in squares and rectangles (above)
- QST are usually provided in squares and in rows

You have a choice.

For Sawtooth squares, the layout with triangles in a square is used, as shown on the previous page.

For the Birds in the Air block (page 68 of *The Inklingo Handbook*), some of the triangles are printed from the layouts of HST in a square, and some are printed from layouts of HST in a rectangle.

For machine piecing, you may be able to use either layout. You should be able to tell from the pattern, as indicated in Chapter 5 of *The Inklingo Handbook*.

If you are hand piecing, and printing all of the triangles, you can use either layout, depending on which fits better on your fabric.

For example, if you are printing 2.00 inch HST and would like to use 2.5 inch strips of fabric (also called Jelly Rolls), the triangle in a square will not fit, but the triangle in a rectangle will. (See tips for using Jelly Rolls on page 46 of *The Inklingo Handbook*.)



HOURLASS (square) = 4 quarter square triangles
straight grain on longest side
45° and 90° angles

Quarter square triangles—QST for short—are commonly used in quilts, and there are several traditional methods for quick cutting with drawing grids or paper piecing. Stitching QST into Hourglass squares with Inklingo is faster and more accurate.

Since the stitching is done before the triangles are cut apart, there are no stretchy edges. No measuring, no special tools! No paper to stitch or remove. It is great for children and beginners.

With Inklingo, you just need to know the desired finished size.

FAST *inklingo* *HOURLASS*

1. PRINT the desired QST template on one fabric. Use the pages with triangles drawn within squares, not rows. See the note about layouts on the previous page.

Every QST will have correct straight grain if you iron the freezer paper onto the right side of the fabric with straight grain along the edges (threads parallel). They will be perfect every time.

2. LAYER the printed fabric with a second fabric (unprinted), right sides together. (*Piece the unprinted layer for a special effect.*)

3. STITCH along diagonal dashed lines, as in the example (left).

4. CUT on ALL of the solid lines with scissors or a rotary cutter. No special ruler required. See notes about trimming corners.

The simplicity of Inklingo reduces the likelihood of cutting errors and is more precise. Inklingo even helps you trim the dog ears more quickly.

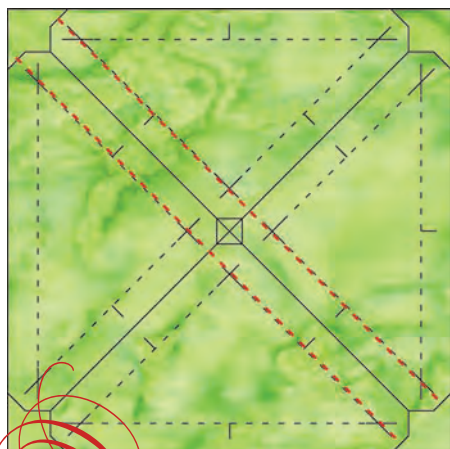
5. PRESS



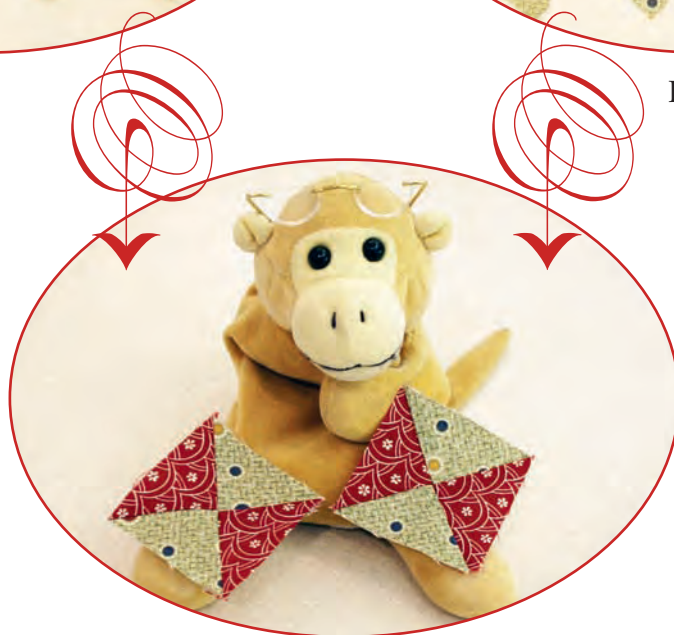
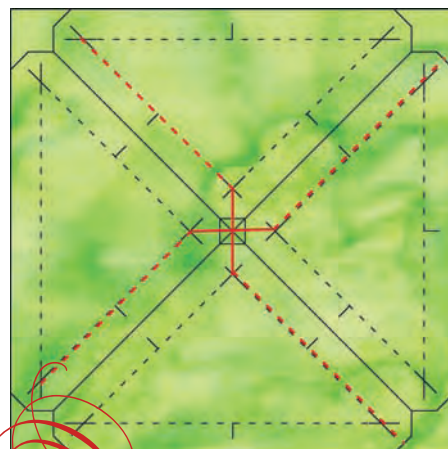
*Only one fabric is printed
to make 12 perfect Hourglass squares.*

Print one fabric and layer it right sides together with unprinted fabric.
The stitching pattern you choose determines the pairs of triangles, as shown.

1



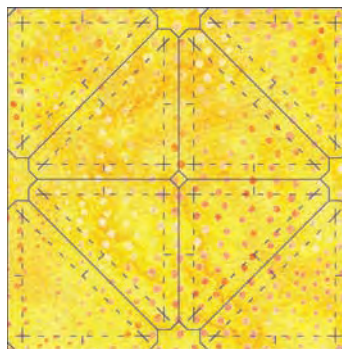
2



If your block design requires
pairs of triangles which are
identical, use # 2.

Either stitching pattern will create two perfect Hourglass blocks.

1. START



1 LARGE
UNPRINTED
SQUARE

PRINT 8 TRIANGLES AND
CUT INTO 4 SQUARES

This Stitch & Cut method makes 4 Flying Geese at a time. Since straight grain should be on the outside edges, the triangles are HST, not QST. Start with 8 printed HST (half square triangles), cut into 4 squares of 2 triangles each, and one square (unprinted), as shown.

FAST *inklingo* FLYING GEESE

STITCH, CUT, PRESS two squares on the large square, as shown in steps 2, 3 and 4.

STITCH, CUT, PRESS the other two printed squares, as shown in steps 5, 6 and 7.

There are several traditional methods for making Flying Geese but none are faster or more accurate than Inklingo.

- NO templates
- NO drawing lines on fabric
- NO paper to stitch or remove
- NO special rulers
- NO stretchy bias seams
- NO waste

IT EVEN WORKS WITH SCISSORS This is great for young quilters, and quilters with arthritis or carpal tunnel pain, who prefer not to use a rotary cutter.

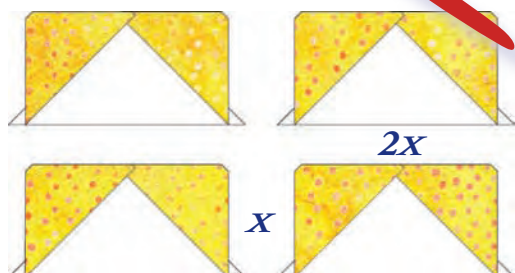
You can piece the fabric for the unprinted square for a special effect.

Flying Geese units are always twice as wide as they are high (left, x and $2x$). The finished size of the HST is x . The size of the unprinted square is on the catalogue page for each HST, or you can calculate the size with this formula

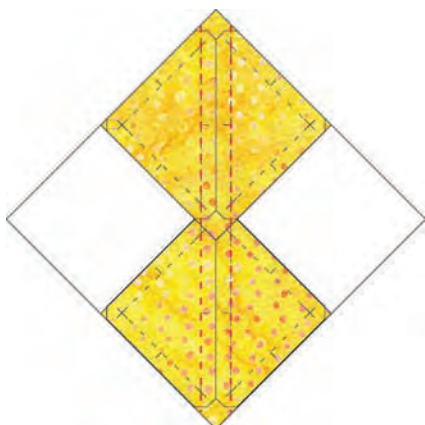
$$2X + 1.25 \text{ inches} = \text{dimensions of square}$$

For example, for four 2 x 4 inch Flying Geese units, use 2 inch HST, and a 5.25 inch square.

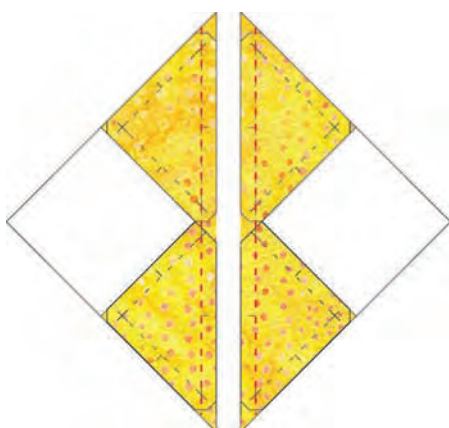
$$(2 \times 2) + 1.25 = 5.25$$



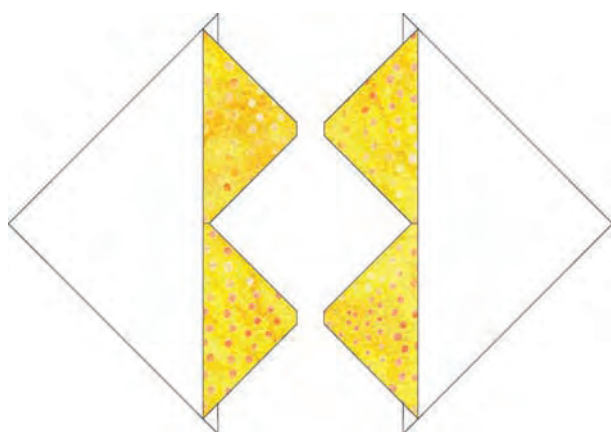
2. STITCH



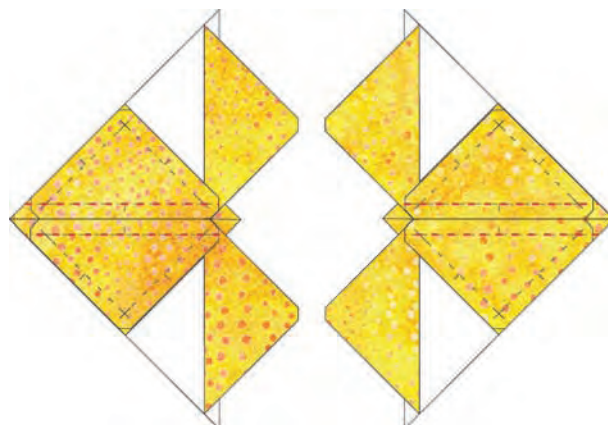
3. CUT



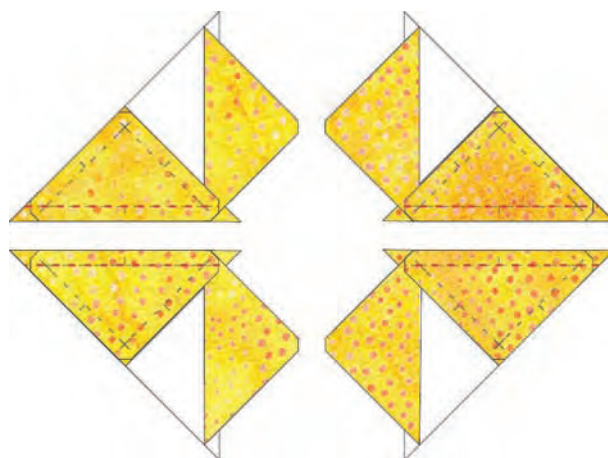
4. PRESS



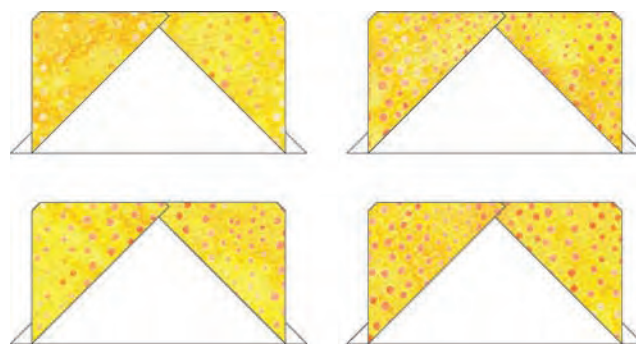
5. STITCH

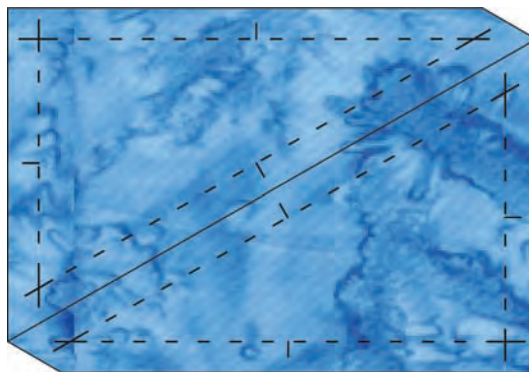


6. CUT



7. PRESS





RECTANGLE (HRT) = 2 half rectangle triangles
straight grain on two short sides
angle of diagonal line varies

Half rectangle triangles—HRT for short—are very useful, whether used with other shapes or in pairs, but the degree of the angle of the diagonal line dividing a rectangle varies depending on the proportions of the rectangle. The angles are difficult to calculate and to cut, so traditionally they are machine pieced with a template or paper piecing pattern.

Inklingo *LAYER TO CUT* allows you to cut individual HRT with no measuring and perfect angles, and then machine stitch.

FAST inklingo HRT

1. *PRINT* several HRT on one fabric.

Every HRT will have correct straight grain if you iron the freezer paper onto the right side of the fabric with straight grain along the edges (threads parallel). They will be perfect every time.

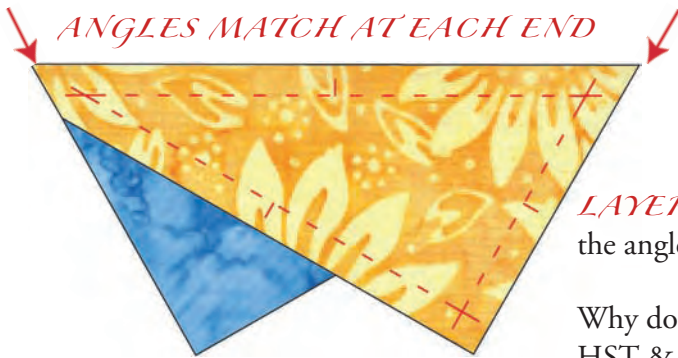
2. *LAYER* the printed fabric with four or five other fabrics.

3. *CUT* on ALL of the solid lines with a rotary cutter. No special ruler required. Trim the dog ears.

The simplicity of Inklingo reduces the likelihood of cutting errors and is more precise.

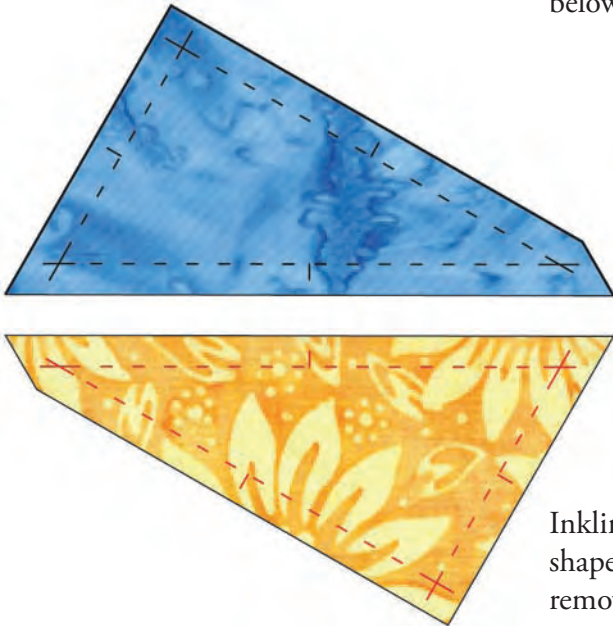
4. *STITCH* pairs of HRT right sides together, lining up the angles at each end of the seam.

5. *PRESS*



LAYER TO CUT makes HRT precise, simple and fast, because the angles are perfect and match at each end.

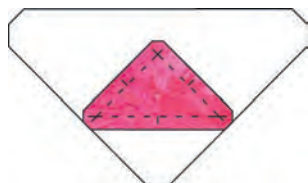
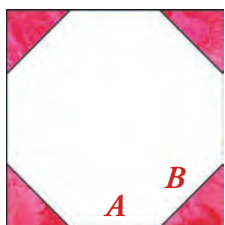
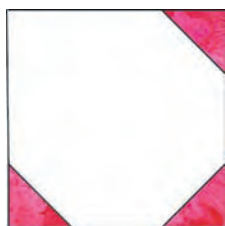
Why don't we Stitch & Cut rectangles the way we sew squares of HST & QST? With HRT, the Stitch & Cut method described for Sawtooth and Hourglass blocks produces the pointed shape shown below. It is not a rectangle, and not commonly used in quilting.



Inklingo makes it easier to machine piece pairs of HRT, even on shapes without stitching lines, and there is no paper to print or remove.

MIRROR IMAGE See the tips for Layer to Cut in *The Inklingo Handbook* and keep mirror image in mind for HRT. Layering some of the fabrics right side up, and some wrong side up, will result in triangles that lean in opposite directions. This can be tricky, so layer all of the fabrics wrong side up unless you are sure you want the mirror image. You can also experiment with the mirror image or "flip" option in the print dialog box.

VARIAION OF STITCH & CUT

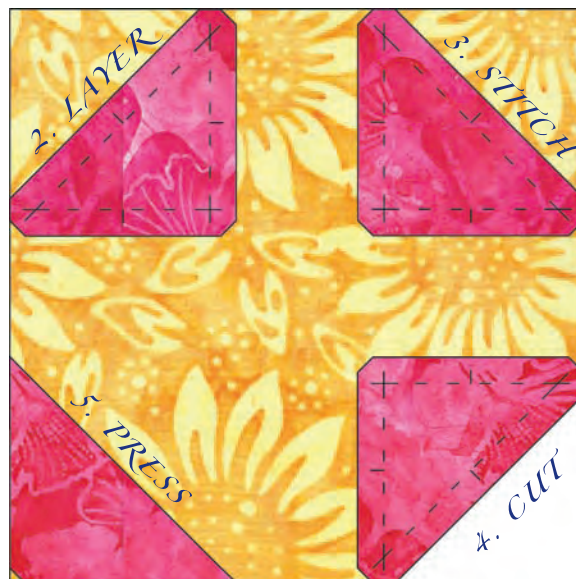


TRIANGLES ON SQUARES AND ON TRIANGLES

Look for opportunities to enhance any design by adding HST to squares OR triangles! Inklingo corners make it easy.



1. PRINT



Inklingo makes it simpler and faster than ever to add triangles to a square because of the precise corners and stitching lines.

A Snowball is an octagon (commonly rotary cut as a square) and 4 triangles. Since straight grain should be on the outside edges, the triangles are HST, not QST.

If only two triangles are added on opposite corners, it is called Indian Hatchet. This example illustrates triangles on a square, but it works for triangles and other shapes, so keep your eyes open.

FAST *inklingo* SNOWBALLS

1. **PRINT** the desired HST triangles on one fabric. Cut them apart, trimming both lines at the corners, as shown above.

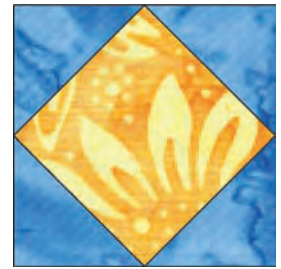
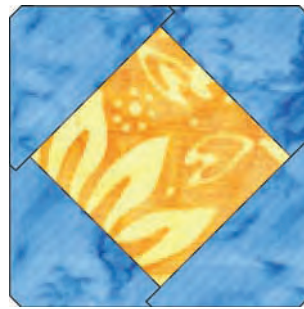
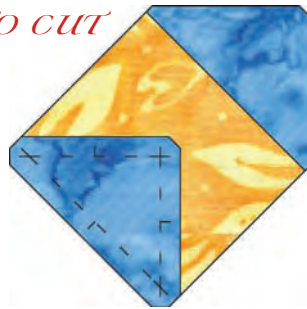
2. **LAYER** a triangle on each corner of a square (not printed), right sides together, as shown. When the edges match, the HST is perfectly positioned, thanks to Inklingo's precise corners. Pin at the crosshairs and matches, if necessary.

3. **STITCH** along the diagonal stitching lines.

4. **CUT** off the extra corners of the square with scissors or a rotary cutter. No measuring or special ruler is required.

5. **PRESS** the seam allowances to one side.

Use any size HST on any size squares, or work in proportion to adjoining blocks. The sides of the octagon are not necessarily equal, but if your design requires $A = B$, as shown (left), there is a cool formula on page 115 of *The Inklingo Handbook* for calculating the relative sizes.



Inklingo is an advantage here too! A square in a square block is a square set on point, surrounded by 4 triangles. Since straight grain should be on the outside edges of the block, the triangles are HST, not QST.

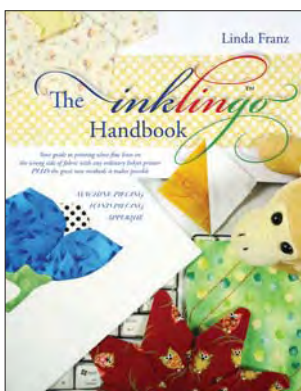
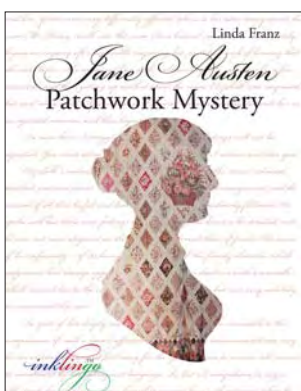
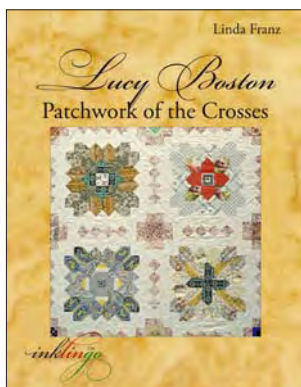
The finished block is twice the size of the HST, so 3 inch HST make a 6 inch block. The sides of the inner square are the same length as the long side of the HST, so the HST can be used as a template to cut the squares (page 61 of *The Inklingo Handbook*).

inklingo SQUARE IN A SQUARE

1. *PRINT* the desired HST triangles on one fabric.
2. *LAYER* the printed fabric with four or five other fabrics.
3. *CUT* on ALL of the solid lines with a rotary cutter. No special ruler is required. Trim the dog ears. The simplicity of Inklingo reduces the likelihood of cutting errors and is more precise.
4. *CUT* strips for the squares (not printed) using one HST (fabric, paper or FP) as a template (page 61 of *The Inklingo Handbook*), and cut the strip into squares.
5. *STITCH* a triangle on opposite sides of each square, right sides together, with edges matching. The bias seam is less likely to stretch or distort if it is under the square, against the feed dogs.
6. *PRESS* the seam allowances toward the triangles.
7. *STITCH* triangles on the two remaining sides.
8. *PRESS*

TIP There is an opportunity to improve any design by adding one, two, three or four triangles to the squares for Snowballs or for Square in a Square. Inklingo's precise corners and stitching lines allow you to combine other shapes this way too. Join the Yahoo group to see how others use Inklingo!

*NEW BOOKS
IN QUILT SHOPS!*



Inklingo is as easy as printing an e-mail, and there are resources that make it precise, simple, fast, and fun.

EVERY SHAPE COLLECTION E-BOOK contains a Test Page, Catalogue of Shapes, and pages of templates to print directly onto fabric.

THE CATALOGUE OF SHAPES is the heart of each collection. For each shape, there are two or more pages to provide a description, the page numbers for each ink color, tips for using each shape, and suggested sizes for custom pages.

WWW.INKLINGO.COM

Updates, patterns, books, and a free demo video

THE INKLINGO HANDBOOK

(128 pages, 5 chapters)

*1. PRINTING WITH INKLINGO ****

General info and great tips for printing on fabric

2. PIECING

All of our best tips! 1. by hand 2. by machine 3. hybrid

3. APPLIQUÉ

Inklingo makes appliqué better than ever before. Back-basting, needleturn, FP appliqué, and more

4. PRESSING AND TRIMMING

Great strategies for pressing and trimming for hand and machine pieced seams

5. USING PATTERNS WITH INKLINGO

Inklingo is compatible with any pattern that uses the same shapes and sizes. There is helpful information about shapes, dimension, yardage calculations—complete with examples.

FREE



****PRINTING WITH INKLINGO* (Chapter 1) is *ESSENTIAL* to your enjoyment of Inklingo, so it is available FREE on the web site. Please tell your friends about the free shape collection, so they can start enjoying Inklingo today. (Of course, we think Chapters 2, 3, 4 and 5 of the handbook are essential too.)