

YOUR
GIFT*

TQ

30° TRIANGLE RULER

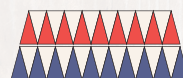
Use your bonus gift to make accurate 30° triangles, then sew them into a range of blocks and designs!



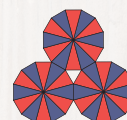
MAKE QUICK AND EASY TRIANGLES!

It's officially the season of staying indoors, snuggling up next to the fire, and whiling away the hours getting stuck into our favourite craft! And we're not letting anything disturb our relaxation time – especially not the task of cutting up triangles! And that's why we've created this helpful 30° Triangle Ruler, which makes cutting precise triangles easier than ever. You can use it to cut simple triangles and just stitch them together horizontally or vertically. Rotate them as you go, and you can achieve rows for borders on quilts or simply rows for triangle quilts. Try sewing twelve together in a round to create the twelve-sided dodecagon. You can also use the triangles to make quilt blocks like Crossed Canoes, Rocket Star, Key West Star and the Winding Ways variation (Fig 1).

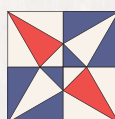
Why not use this handy ruler to make Paula Hope's sewing machine slipcover? Find out how to make this fab project below.



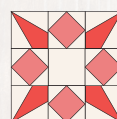
Straight rows



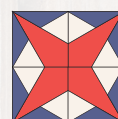
Dodecagon



Crossed Canoes



Rocket Star



Key West Star



Winding Ways variation

Fig 1

BONUS GIFT PROJECT

GOT YOU COVERED!

Protect your sewing machine when not in use with this slipcover using your 30° Triangle bonus gift.

Designed and made by **PAULA HOPE**



GOT YOU COVERED!



BEHIND THE QUILT

GIVE YOUR GIFT A GO!

"Here, I have used our 30° Triangle ruler to make a mini quilt that I have turned into a slipcover for my sewing machine. Mine sits out all the time, so I really needed something that stops unnecessary dust gathering, as dust can be bad for your sewing machine. If you can clean out your machine between projects and protect it from dust particles, you will find the machine will work more efficiently and, in return, make stitching a far more pleasant experience." – **Paula Hope**

Making your slipcover

1 Making a slipcover for your sewing machine is actually quite simple. All it really is is a mini quilt that drapes over the machine and has a few ties to hold it in place. As we all have different machines, how do you make it fit yours? Firstly, measure across the top to get the width, this is shown as A-B in **Fig 1** – in Paula's case, this was approx. 21½in. Then measure from the front to back of your machine to get the length, shown as X-Y in **Fig 1** – in Paula's case, this was approx. 26½in.

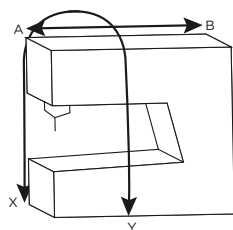


Fig 1

2 The next thing to think about is what size of blocks and how many might fit into your size. Make it easy on yourself by adding a border around the outside if you wish. Paula was able to fit twenty (20) 4½in (finished size) Star blocks in a 4 x 5 layout into her mini quilt (**Fig 2A**). You could make larger blocks without sashing for a very different look. **Fig 2B** shows blocks with a finished size of 5½in square.

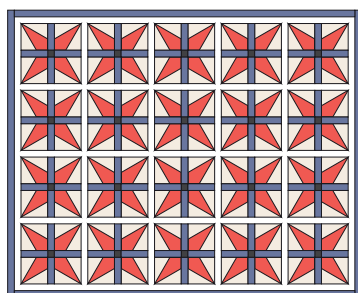


Fig 2A

You will need

- Background fabric – ¾yd
- Red fabric – Five (5) fat eighths
- Mid-blue fabric* – 15in x WOF
- Dark blue fabric – ¼yd
- Black fabric – 7in square
- Backing and ties fabric – 1yd
- Batting – Two (2) 27in x 33in pieces

Finished size

- Quilt: 21½in x 26½in
- Star block: 4½in square

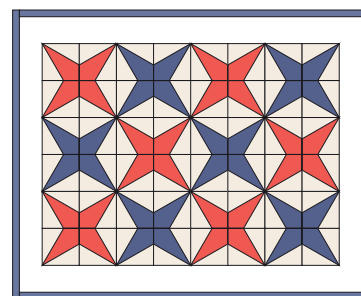


Fig 2B

3 For reference, the following cut strips will achieve the corresponding finished Star block, without sashing:

- 6½in cut strip = 8½in block (finished).
- 5½in cut strip = 7in block (finished).
- 4½in cut strip = 5½in block (finished).
- 3½in cut strip = 4in block (finished).
- 2½in cut strip = 2½in block (finished).
- 1½in cut strip = 1½in block (finished).

Cutting

4 From the background fabric, cut the following:

- Six (6) 3½in x WOF strips.
- Two (2) 1in x WOF strips. Subcut into seventy-nine (79) 1in squares.

5 From each of the red fabrics, cut two (2) 3½in x WOF strips.

6 From the mid-blue fabric, cut the following:

- Two (2) 2½in x WOF strips.

Notes

- Paula's sewing machine is a Bernina 770 QE with an attached sewing table and the following mini quilt slipcover is made to fit this machine.
- *Paula also used the mid-blue fabric for the binding.
- WOF = width of fabric, approx. 42in.
- Fat eighth = a fat eighth is approx. 9in x 21in.
- WOFE = width of fat eighth, approx. 21in.

Subcut into eighty (80) 1in x 2½in pieces (sashing).

- Four (4) 2in x WOF strips. Subcut into two (2) 21in and two (2) 29in lengths (binding).

7 From the dark blue fabric, cut three (3) 2½in x WOF strips. Subcut into ninety-eight (98) 1in x 2½in pieces (sashing).

8 From the black fabric, cut twenty (20) 1in squares.

9 From the backing fabric, cut the following:

- Two (2) 1¾in x WOF strips for the ties. Subcut into eight (8) 12½in lengths.
- One (1) 26in x 33in piece.

Making the blocks

10 Take one (1) 3½in background strip. Fold it in half RS together and remove the selvage, ready to start cutting. Place the 30° ruler against the cut edge (**Fig 3A**) with the tip of the ruler touching the top raw edge, not overhanging (**Fig 3B**) and cut. This is the first pair of background pieces. Work across the strip, rotating the ruler and cutting pairs of background pieces (**Fig 3C**). You should get fourteen (14) pairs from one (1) WOF strip. Keep them in their pairs as they are a right and left for the triangle to turn it into a square (**Fig 4**). Cut eighty (80) pairs in total.

11 Take a 3½in red fabric strip and this time place the ruler

upright with the 3½in dashed line along the lower raw edge of the strip. Cut on either side to make the first 3½in triangle. Rotate the ruler, line it up against the cut edge and cut again. Keep working along the strips to cut a total of sixteen (16) 3½in triangles per fabric. You will need eighty (80) triangles in total. **Note** – keep the triangles in sets of four (4).

12 To make a quarter star unit, take a cut background pair of pieces, lay a left background piece squarely, RS up. Place a red triangle RS on top, lining up the right-hand side angled cut. The red triangle should not overhang the background at the top, see **Fig 5**. Pin and sew along the seam. Press the seam to the red fabric.

13 Lay the unit from step 12 squarely and RS up. Line up the right background piece RS together against the raw angled edge, the second background piece should not overhang the stitched unit at the top, see **Fig 6**. Pin and sew along the seam. Press the seam to the second background fabric piece. Repeat to make four (4) identical quarter star units.

14 To square up the unit to a 2½in square, lay a quarter unit out squarely with the star tip pointing to the lower left. Next, line up the 2½in mark on your ruler with the square corner and check that the ruler is central on the widest part of the red fabric, marked X and Y on **Fig 7**. Then, trim the top and right-hand

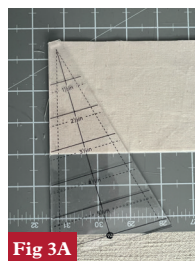


Fig 3A



Fig 3B

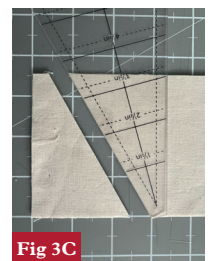


Fig 3C

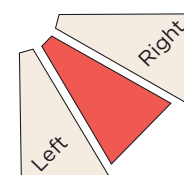


Fig 4

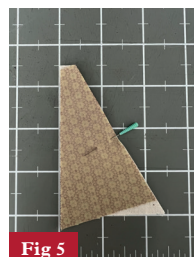


Fig 5



Fig 6

side of the unit. Repeat with all four (4) units.

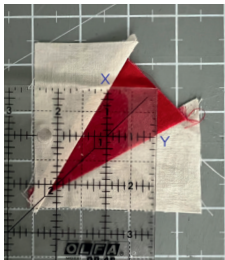


Fig 7

15 You could stitch the four (4) star units together to create a simple Star block, which would measure 4½in square unfinished (4in square finished). Then you could sew the Star blocks into a mini quilt. Paula chose to add sashing to her mini quilt.

16 Lay out four (4) Star units, four (4) mid-blue 1in x 2½in pieces and one (1) 1in square of black fabric (**Fig 8**). Sew into horizontal rows, pressing to the mid-blue fabric in each row. Sew the rows together, press the seams open if preferred. Repeat to make twenty (20) Star blocks, each with a tiny black centre.

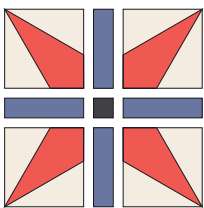
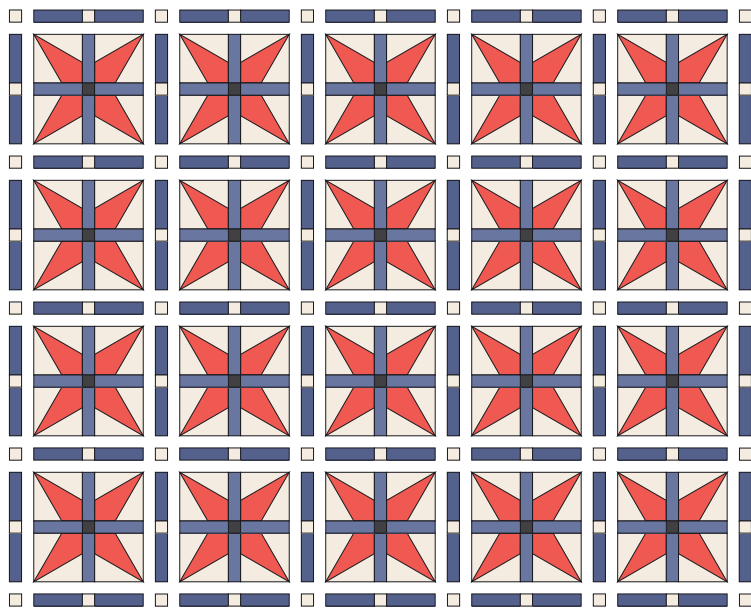


Fig 8

17 Sew forty-nine (49) sashing strip units, each made up with two (2) dark blue 1in x 2½in pieces and one (1) 1in square of background fabric. Press to the dark blue fabric.

18 Lay out the Star blocks in four (4) rows of five (5) Star units with the sashing units from step 17 and the remaining thirty (30) 1in background squares (**Quilt Layout Diagram**). Sew each of the five (5) skinny sashing rows together, and each of the Star block rows. Then join the rows. Press seams open if preferred.



Quilt Layout Diagram

19 Sew the 2in x 21in mid-blue strips to the sides and the 2in x 29in mid-blue strips to the top and bottom. Press seams to the mid-blue.

20 Layer up the backing fabric, and the quilt top with both pieces of batting between and quilt. Paula used two (2) pieces of batting to give the slipcover a more rigid structure. Paula quilted the stars diagonally through the points.

21 Lay the quilt out right side up. Fold back the outer mid-blue binding to reveal the outer edge of the quilt and trim the batting and backing to ½in wide all around the quilt. Flip the quilt to the back with the binding showing around the outer edge. Trim the binding to 1in all around the batting.

22 To make the ties, take one (1) 12½in piece. Fold in half along the length and press. Open out, and then bring the raw edges into the centre crease, then fold in half. Press and stitch along the open edge. Repeat with all eight (8) ties.

23 Paula then put the slipcover over her machine to make sure the ties would be in the right spot. These were approx. 3in and 6in from the bottom edge. Pin each tie in

place and machine stitch in position ¼in from the raw edge.

24 Working with the quilt from the back, fold in the binding twice to envelop the edge of the quilt. Paula folded each binding corner in first, creating a mitre (**Fig 9A**). You can slip the corner triangle under the backing fabric if you haven't quilted too close to the edge (**Fig 9B**). If you can't, trim the corner triangle to ½in edge (**Fig 9C**) before folding the edges over. Slip stitch the binding in place. Now enjoy the fact that you are protecting your machine from any more unnecessary dust! 🧵

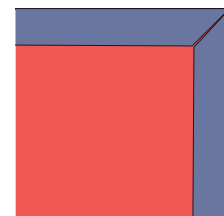


Fig 9A

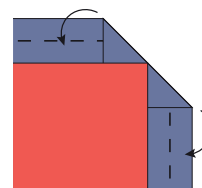


Fig 9B

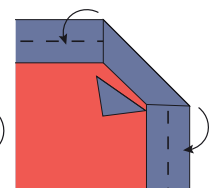
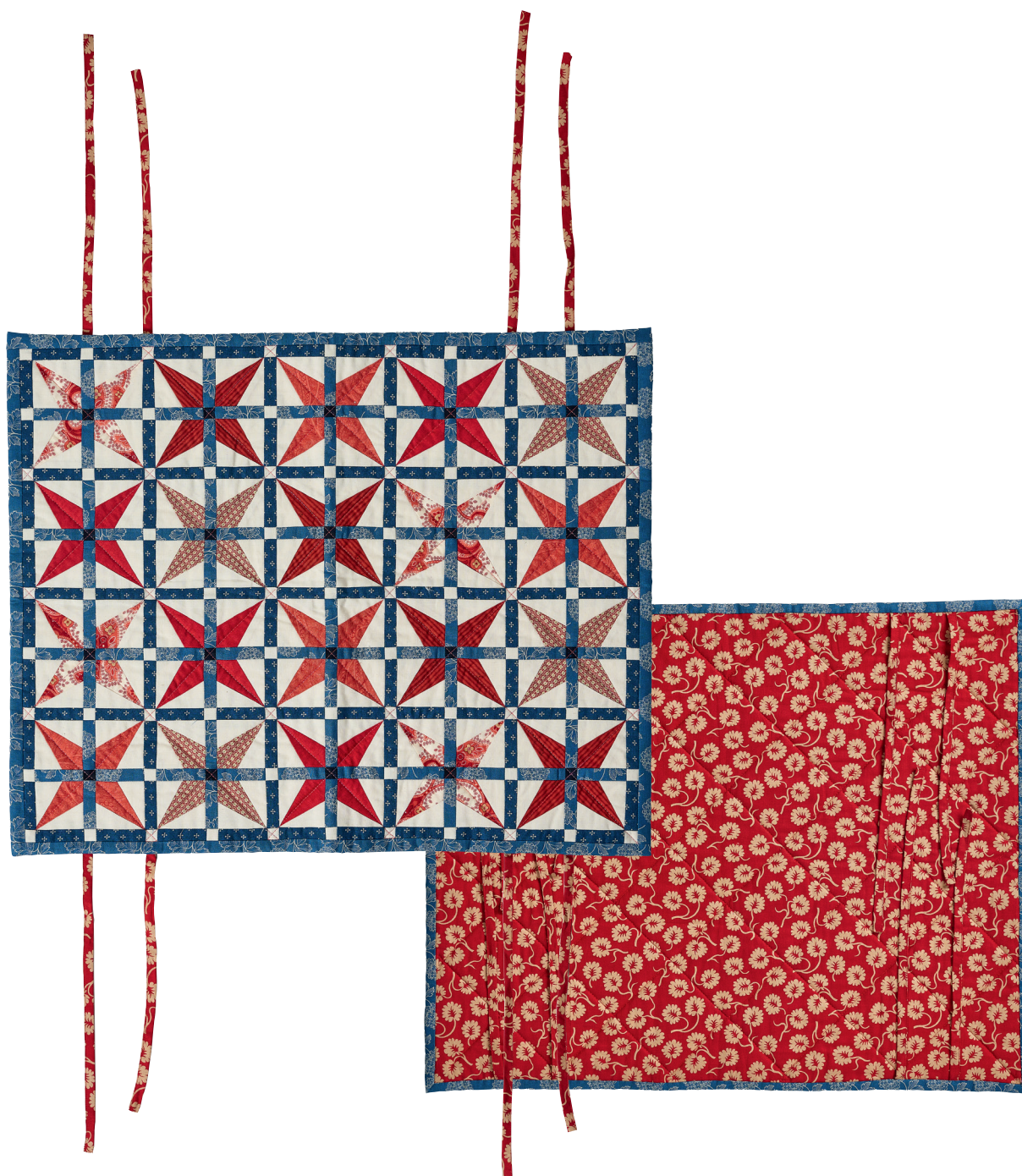


Fig 9C



Meet the designer

Paula Hope has been sewing since childhood. She studied Silversmithing and Jewellery at Glasgow School of Art and went on to teach Art and Design in secondary schools. She finished her first quilt in 1997 and has never looked back. In 2003, Paula started teaching Patchwork and Quilting and subsequently started writing her own patterns for classes and workshops. She became Technical Editor on *Today's Quilter* in 2021.

 [pollystitches](#)

This gorgeous mini quilt will inject some colour into your sewing room while protecting your machine!