CALYTRIX

The name **Calytrix** is a girl's name of Latin origin meaning 'star-flower'. Given that the centre of the square looks a little like a star flower, I've decided to call this square Calytrix. This square was designed for the Friends Around the World 5th Anniversary CAL. It's an honour to be part of this CAL.

What would you need?

Worsted weight or aran weight yarn in colours of your choice. I opted for 3 colours.

5mm hook

Needle for sewing in your ends

Stitch markers

This square measures 12 inches

List of stitches used in this design & Abbreviations

*Note this pattern uses **UK terminology***

Beg	beginning	
Beg tr2togcl	beginning treble crochet two together cluster	Ch3, yo and insert hook into the same st as your starting ch3, pull up a loop, you should have 3 loops on your hook, yo pull through 2 loops, you will have 2 loops on your hook, yo and pull through the 2 loops
Beg tr3togcl	beginning treble crochet three together cluster	Ch3, yo and insert hook into the same st as your starting ch3, pull up a loop, you should have 3 loops on your hook, yo and pull through 2 loops – 2 loops on your hook, yo and insert hook into the same st and pull up a loop – 4 loops on your hook, yo and pull through 2 loops. You should have 3 loops on your hook, yo and pull through all 3 loops
bptr	back post treble crochet	Yo, insert your hook from back to front around the post of the stitch from the previous round and work a tr
bphtr	back post half treble crochet	Yo, insert your hook from back to front around the post of the stitch from the previous round and work a htr
ch	chain	
tr	treble crochet	Yo, insert the hook into the indicated st/sp and pull up a loop – 3 loops on hook, (yo pull through 2 loop) twice
tr2togcl	treble crochet two together cluster	Yo and insert hook into the indicated st/sp, yo and pull up a loop (3 loops on the hook), yo pull through 2 loops. Yo and insert hook into the SAME st/sp, pull up a loop (4 loops on the

		hook), yo and pull through 2 loops (3 loops on the hook), yo and pull through the last 3 loops *Note this is different from a typical tr2tog, which is a decrease worked over 2 sts*
tr3togcl	treble crochet three together cluster	Yo and insert hook into the indicated st/sp, yo and pull up a loop (3 loops on the hook), yo pull through 2 loops. [Yo and insert hook into the SAME st/sp, pull up a loop (4 loops on the hook), yo and pull through 2 loops] twice (4 loops on the hook), yo and pull through the last 4 loops *Note this is different from a typical tr3tog, which is a decrease worked over 3 sts*
htr	half trebles crochet	This is essentially half of a tr. Yo, insert the hook into the indicated st/sp and pull up a loop – 3 loops on hook, yo and pull through all loops
fptr	front post treble crochet	Yo once, insert your hook from front to back around the post of the stitch from the previous round and work a treble crochet
fpdtr	front post double treble	Yo twice, insert your hook from front to back around the post of the stitch from the previous round and work a double treble crochet
popcorn st	popcorn st	This popcorn st is made using a htr and not tr Make 5 htr into the same st/sp. Remove your hook from the last htr and insert it into both loops of the 1st htr. Pick up the last htr with your hook and pull through the 1st htr. Ch1 to close the popcorn (this does not count as a st)
dc	double crochet	Insert the hook into the indicated st/sp and pull up a loop – 2 loops on hook, yo and pull through the 2 loops
sl st	slip stitch	A slip stitch is used to join stitches that are worked in rounds. Insert hook into the indicated st and draw yarn through the st and the loop on your hook in one motion
sp	space	
miss st	miss	Skip or miss the next stitch
st/sts	stitch/stitches	
st tr	standing treble crochet	I start a standing stitch with a slip knot on my hook, yo the hook, insert into the indicated st/sp and pull up a loop, yo and pull through 2 loops, yo and pull through 2 loops – as you would work a tr – keep the tail taut whilst doing this st
st hdc	standing half treble crochet	I start a standing stitch with a slip knot on my hook, yo the hook, insert into the indicated st/sp and pull up a loop, yo and pull through all loops on the hook – as you would work a htr – keep the tail taut whilst doing this st
st dc	standing treble crochet	I start a standing stitch with a slip knot on my hook, insert into the indicated st/sp and pull up a loop, yo and pull through all loops – as you would work a dc – keep the tail taut whilst doing this st
htr V st	htr V stitch	1 htr, ch1, 1htr into the indicated stitch or space
yo	yarn over	

Disclaimer: Some of the abbreviations and descriptions listed below may be different from what you are used to, and how it is traditionally used. It is very specific to this pattern, therefore please go through the list below so you understand exactly how each stitch is made.

In the pattern I refer to the following stitches:

Standing stitches – used to start a new round or row. Helen Shrimpton explains this very clearly on her website and even has a video tutorial

https://crystalsandcrochet.com/crochet/starting-and-standing-stitches/

Invisible joins **–** I love invisible joins as it also forces you to work away your ends immediately. Please however, be 100% sure of your stitch count before you use the invisible join, as it will be difficult to undo especially if you work your ends away as securely as I do. Dedri Uys explains this in her website here: http://www.lookatwhatimade.net/crafts/yarn/crochet/crochet-tutorials/crochet-invisible-join-vs-slip-stitch-join/.

Hidden stitch **–** This is the first st after the ch-2 corner sp. Sometimes I ask you to work in this st and at other times I ask you to miss it, so it best you know which st I am referring to. The best way to explain this is actually read this post by crochet guru Dedri Uys: http://www.lookatwhatimade.net/crafts/yarn/crochet/crochet-tutorials/crochet-corners-elusive-hidden-stitch/.

*Finishing your corners that usually have a ch-2 space***:** You will note that I always work half a corner and then close the corner with a htr to count as my ch-2 sp. This is something I learnt from Debbie Hemsley - you can find her awesome patterns here: http://www.theneavecollection.com/. If you work a full corner at the beginning of the round, you will find that your new starting point for the next round is not in the ch-2 sp where you want to be. To get to the ch-2 sp you will have to slip stitch across 2 sts, which may make your work a bit bulky. When you close the corner with a htr, it allows you to start the new round in the same corner-sp.

A detailed step by step photo tutorial is included below

You will also find the instructional video here:

https://youtu.be/LGf9dJEKLcs

To get started

With a 5 mm hook make 4ch and sl st into the 1st ch to form a ring. Alternatively, you can start with a magic ring/circle. I always prefer a double magic ring, as I feel this is somewhat stronger. Please remember to work away the initial tail very securely. You do not want your work to unravel.

Round 1: Colour A

Beg tr3togcl into the ring, (ch1, tr3togcl into the ring) 5 times, ch1,

sl st into the beg tr3togcl.

DO NOT FASTEN OFF

6 x tr3tog clusters, 6ch-1 spaces

Round 2: Colour A

Sl st into the ch-1 sp, ch1 (this does not count as a st), 2dc in the same sp,

(fphtr around the tr3togcl, 2dc in the ch-1ps) 5 times,

fphtr around the tr3togcl,

sl st into the 1st dc.

Fasten off and weave in your ends. You will have a little flower centre.

6 fphtr and 12 dc

Round 3: Colour B

Join in the 1st st after any fphtr from the previous round, ch2 (this counts as the 1st st) OR st-htr in this st, 1htr in the same st, 2htr in the next st,

sl st into the fphtr from the previous round, ch20 (*please make sure your chain is very loose, and try not to twist it too much)*, sl st into the same fphtr,

[2htr in each of the next 2 sts, sl st in the fphtr from the previous round, ch20, sl st into the same fphtr) 5 times,

Sl st in the beg ch2 or st-htr. Fasten off and weave in your ends.

24 htr, 6 x chain 20 loops

Round 4: Colour A

Join in the 1st htr after the ch20 loop from the previous round, ch2 (this counts as the 1st st) OR st-htr in this st, 1htr in each of the next 3 sts,

Keeping the ch20 loop to the front – 3htr in the st between the ch-20 loop (see pic below) – *this is actually the fphtr from Round 2*,

[1htr in each of the next 4 sts, keeping the ch20 loop to the front – 3htr in the st between the ch-20 loop] 5 times,

Sl st in the beg ch2 of st-htr.

DO NOT FASTEN OFF

42 htr

Round 5: Colour A

Ch3 (this counts as the 1st st), 1tr in each of the next 3 sts,

ch1, miss st, {(tr2togcl, ch1) 3 times} in the next st – *This is the centre htr of the 3htr from the previous round*, miss st,

[1tr in each of the next 4 sts, ch1, miss st (tr2togcl, ch1) 3times in the next st, miss st] 5 times

Sl st in the beginning ch3. Fasten off and weave in your ends.

24tr, 6 x tr2tog cluster groups, 24 ch-1 spaces

Round 6: Colour B

Join in the 1st ch-1 sp after any tr from the previous round, ch2 (this counts as the 1st st) OR st-htr in this sp, 1 htr in the same ch-1sp

(fphtr around the tr2togcl, 2htr in the ch-1sp) 3 times,

[miss the next st, bptr around 2 of the ch-20 loops and the next 2 sts – *Hold your hook in the 'knife' method when working this st. The bptr is worked around 2 chain loops and 2 sts* – miss st, 2htr in the ch-1 sp, (fphtr around the tr2togcl, 2htr in the ch-1sp) 3 times,] 5 times.

Miss the next st, bptr around 2 of the ch-20 loops and the next 2 sts, miss st,

Sl st in the beginning ch2 or st-htr. Fasten off and weave in your ends.

48 htr, 18 fphtr, 6bptr

Round 7: Colour C

Join in any bpdtr from the previous round, ch2 (to counts as the 1st st) OR st-htr in this st,

1htr in each of the next 4 sts,

[miss st, 1htr Vst in the next st (*this is the fphtr of the centre tr2togcl from the previous round),* miss st*,* 1htr in each of the next 9 sts,] 5 times,

Miss st, 1htr V st in the next st, 1htr in each of the next 4 sts.

Sl st in the beginning ch2 or st-htr. Fasten off and weave in your ends.

54 htr, 6 htr V sts

Round 8: Colour A

Place your st marker in the 5th st from any htr V st – beg tr2togcl, ch1 (tr2togcl, ch1) twice, ch1,

[miss st, 1tr in each of the next 3 sts, working over the ch20 loop, 3dc in the htr Vst, securing the loop, 1tr in each of the next 3 sts, ch1, miss st, (tr2togcl, ch-1) 3 times in the next st] 5 times,

Miss st, 1tr in each of the next 3 sts, working over the ch20 loop, 3dc in the htr v-st, securing the loop, 1tr in each of the next 3 sts, ch1,

Sl st in the beginning ch3 or st-tr. Fasten off and weave in your ends.

36 tr, 18 dc, 6 x tr2tog cluster groups, 24 ch-1 spaces

Round 9: Colour C

Join in any ch-1 sp before the tr2tog cluster group, ch2 (this counts as the 1st st) OR st-htr in this sp, 1htr in the same sp,

(Fphtr around the tr2togcl, 2htr in the ch-1sp) 3 times,

[1htr in each of the next 3 sts, fptr around the 3dc from the previous round, 1htr in each of the next 3 sts, 2htr in the ch-1 sp, (fphtr around the tr2togcl, 2htr in the ch-1sp)3 times] 5 times,

1htr in each of the next 3 sts, fptr around the 3dc from the previous round, 1htr in each of the next 3 sts,

Sl st in the beginning ch2 or st-htr. Fasten off and weave in your ends.

6fptr, 18 fphtr and 84 htr

Round 10: Colour A

Join in the fptr around the 3dc from the previous round, beg tr2togcl in this st, in the same st (ch1, tr2togcl) 2 more times, ch1,

Miss st, 1htr in each of the next 2 sts, bphtr around each of the next 11sts, 1htr in each of the next 2 sts,

[ch1, miss st, in the next st tr2togcl, ch1) 3 times, miss st, 1htr in each of the next 2 sts, bphtr around each of the next 11sts, 1htr in each of the next 2 sts] 5 times,

Ch1, miss st, sl st in the beg tr2togcl. Fasten off and weave in your ends.

66 bphtr, 24htr, 6 x tr2tog cluster groups, 24 ch-1 spaces.

Round 11: Colour C

St-fphtr around the first tr2togcl of any tr2togcl group,

(2htr in the ch-1 sp, fphtr around the tr2togcl) twice,

[miss the ch-1 sp and the next 3 sts, fpdtr around each of the 3tr from Round 8, 1htr in each of the next 9 sts, fpdtr around each of the 3tr from Round 8, miss the next 3 sts and the ch-1 sp (fphtr around the tr2togcl, 2htr in the ch-1sp) twice, fphtr around the tr2togcl] 5 times,

Miss the ch-1 sp and the next 3 sts, fpdtr around each of the 3tr from Round 8, 1htr in each of the next 9 sts, fpdtr around each of the 3tr from Round 8, miss the next 3 sts and the ch-1 sp,

Sl st in the st-fphtr. Fasten off and weave in your ends.

18 fphtr, 36 fpdtr, 78 htr

Round 12: Colour A

Join in the 1st fphtr after any fpdtr from the previous round, ch1 (to count as the 1st st) OR st-dc in this st,

1dc in each of the next 6 sts,

Fptr around each of the next 3 sts, bphtr around each of the next 9 sts, fptr around each of the next 3 sts, 1dc in each of the next 7 sts) 5 times

Fptr around each of the next 3 sts, miss st, bphtr around each of the next 9 sts, fptr around each of the next 3 sts

Sl st in the beginning ch-1 or st-dc. Fasten off and weave in your ends.

42 dc, 54 bphtr, 36 fptr

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Round 13: Colour B

Join in the 1st fptr after any bphtr from the previous round, ch4 (to count as the 1st st) OR st-dtr in this st, 1 dtr in the same st

(1tr in each of the next 5 sts, 1htr in each of the next 7 sts, 1dc in each of the next 8 sts, 1htr in each of the next 7 sts, 1tr in each of the next 5 sts, 2dtr in the next st) 4 times

On the last repeat omit the 2dtr and sl st in the beg ch4 of st-dtr. DO NOT FASTEN OFF.

Per side: 10 tr, 14 htr, 8 dc

Per corner: 2dtr

Round 14: Colour B

Ch3 (to count as the 1st st), ch1, 1 tr in the next st (this is the dtr from the previous round),

(1tr in each of the next 7 sts, 1htr in each of the next 5 sts, 1dc in each of the next 8 sts, 1htr in each of the next 5 sts, 1tr in each of the next 7 sts,

1tr in the next st ch1, 1tr in the next st) 4 times.

On the last repeat omit the (1tr, ch1, 1tr) and sl st in the beg ch3. Fasten off and weave in your ends.

Per side: 14 tr, 10 htr, 8 dc

Per corner: 1tr ch1 1tr

Round 15: Colour A

Join in any ch1 corner sp, ch2 (to count as the 1st st) OR st-htr in this sp.

{Bphtr around each of the next 34 sts,

(1htr, ch1, 1htr in the ch-1 corner sp)} 4 times

On the last repeat omit the (1htr, ch1, 1htr). 1htr, ch1 and sl st in the beg ch2 or st-htr OR 1htr, 1dc into the beg ch2 or st-htr. DO NOT FASTEN OFF

Per side: 34 bphtr

Per corner: 1htr, ch1, 1htr

Round 16: Colour A

Ch2 (to count as the 1st st),

{miss the 1st hidden st, 1htr in each of the next 35 sts

(1htr, ch1, 1htr in the ch-1 corner sp)} 4 times

On the last repeat omit the (1htr, ch1, 1htr), ch1 sl st in the beg ch2 OR 1htr, 1 dc in the beg ch2. Fasten off and weave in your ends.

Per side: 35 htr

Per corner: 1htr, ch1, 1htr

Round 17: Colour C

Join in any ch1 corner sp, ch2 (to count as the 1st st) OR st-htr in this sp.

(bphtr around each of the next 37 sts,

1htr, ch1, 1htr in the ch-1 corner sp,) 4 times

On the last repeat omit the (1htr, ch1, 1htr) and 1htr, ch1, sl st in the beg ch2 or 1htr, 1dc in the beg ch2. DO NOT FASTEN OFF.

Per side: 37 bphtr

Per corner: 1hdtr, ch1, 1htr

Round 18 : Colour C

Ch2 (to count as the 1st st), 1htr in the same sp,

{miss the 1st hidden st, 1htr in each of the next 38 sts,

(2htr, ch2, 2htr in the ch-1 corner sp)} 4 times

On the last repeat omit the (2htr, ch2, 2htr) and 2htr, ch1, sl st in the beg ch2 OR 2htr, 1dc in the beg ch2. Fasten off and weave in your ends.

Per side: 38 htr

Per corner: 2htr, ch2, 2htr

I hope you have had as much fun making this square, as I have had creating it….

A very special thank you to Cynthia Sheblom, Kim Lategan, Monika Mackenzie and Roxan Zumani for testing this pattern.

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