

Cosmic Cal

Part 1



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Stylecraft

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UK terms used throughout Abbreviations

St, sts	Stitch, stitches	Dc	Double crochet	Bl	Back Loop
R	Round	Htr	Half treble crochet	Fl	Front Loop
Ch	Chain	Tr	Treble crochet	Bp	Back Post
Sl-st	Slip stitch	Dtr	Double treble crochet	Fp	Front Post
Yo	Yarn over	Trtr	Triple treble crochet		

[] Hints: Are typed in italics and coloured purple, they are to help and guide you and hopefully make life a little easier, especially for beginners.

Reference to photos is [P] with the relevant photo number

**** Repeat instructions between asterisks the amount of times specified.
This is normally a repeat for a complete side and will consist of multiple instructions.**

**() or () Repeat instructions between parentheses the amount of times specified.
This is a lower level repeat.**

Special Stitches

Dtr7tog: Yo twice, place hook in stitch to be worked yo and pull up a loop, 3 loops on hook, yo and pull through 2 loops twice. Repeat in next 6 sts/sps to be worked. Yo and pull through all 8 loops.

Fptr3tog: Yo, place hook around front post of st, yo and pull up a loop, yo and pull through 2 loops, leaving 2 loops on hook, repeat around next 2 sts, yo and pull through all 4 loops.

Dtr Cluster: Yo twice, insert hook into indicated st/sp, yo and pull through 2 loops twice. Repeat twice more, in same st/sp. (4 loops on hook), yo and pull through all 4 loops.

Ruffle Stitch: Made over 3 sts. Fldc in indicated stitch, and working around the front of the post of the same st, from top to bottom (htr, 3 tr), skip next st, fldc in next st.

Dc3tog: Place hook in stitch to be worked yo and pull up a loop, 2 loops on hook. Repeat in next 2 sts/sps, 4 loops on hook. Yo and pull through all 4 loops.

Bead stitch: tr in st/sp, working around the post of tr, yo and pull up a loop, 3 times. Yo and pull through all 7 loops on hook. To make a **Beginning Bead stitch**, 3ch or make a standing tr, and continue as normal.

Puff Stitch: Yo, insert hook in stitch or space yo and pull up a loop [*to height of adjacent sts*], 4 times (9 loops on hook), yo and pull through all 9 loops, and 1 ch to close. This closing chain is not counted as a stitch. To make a **Beginning Puff stitch**, work as if you are making a standing stitch.

Long Dc: Insert hook into stitch or space one or more rounds below next st *as instructed* yo and pull up a loop to level of current round, yo and pull through both loops on hook.

Popcorn: Make 5 tr in same st, remove hook from loop and insert from front to back of 1st tr and then into dropped loop and pull through. 1 ch to close. This closing chain is not counted in any chains you are asked to make after the popcorn. To make a **beginning popcorn**, simply start with a standing tr or 3 ch as your 1st st.

Folding Dc: Insert hook into back loop of next dtr and into back loop of corresponding stitch in previous round, yo and pull through 2 loops, yo and pull through two loops.

Fpdtr3tog: Yo twice, place hook around front post of st, yo and pull up a loop, yo and pull through 2 loops twice, leaving 2 loops on hook, repeat around next 2 sts (4 loops on hook). Yo and pull through all 4 loops.

Fpdtr5tog: Yo twice, place hook around front post of st, yo and pull up a loop, yo and pull through 2 loops twice, leaving 2 loops on hook, repeat around next 4 sts. (6 loops on hook). Yo and pull through all 6 loops.

1. Starting with a magic ring, 1 ch and 12 htr into ring.
 Join to 1st htr with a sl-st.
 Stitch count: 12 htr.



2. 3 ch [*counts as tr*] 2 tr in same st,
 (1 ch, miss next st, 3 tr in next st) 5 times, 1 ch.
 Join to top of 3 ch, fasten off, and secure ends.
 Stitch count: 18 tr, 6 x 1 ch spaces.



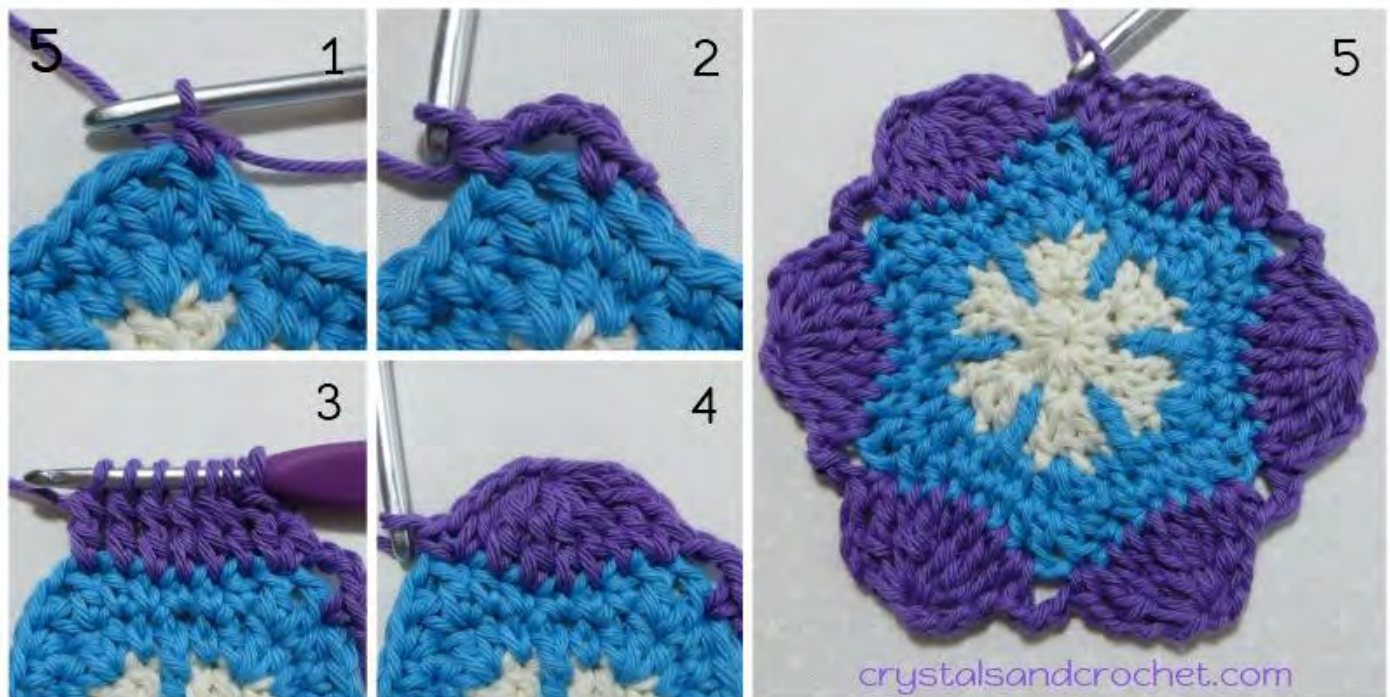
3. Join with a standing dc in tr before any 1 ch space, [P1]
 (working in front of 1 ch space, dtr in skipped st R1 [P2], dc in next st, in next st (htr, tr,
 htr) dc in next st) 6 times, omit last dc. [P3,4]
 Join to standing dc with a sl-st.
 Stitch count: 12 dc, 12 htr, 6 tr, 6 dtr.



4. 1 ch and dc in same st [P1], dc in next 2 sts
 (htr in next st, in next st (tr, 1 ch, tr), htr in next st, dc in next 3 sts) 6 times, omit last 3 dc. [P2,3]
 Join to 1st dc, fasten off, and secure ends.
 Stitch count: 18 dc, 12 htr, 12 tr, 6 x 1 ch spaces.



5. Join with a standing dc in tr before any 1 ch space, [P1]
 (3ch, miss 1 ch space, dc in next st [P2], 3 ch, dtr7tog over same st and next 6 sts [P3],
 4 ch [*do not make 1st ch too tight*], dc in same st as last partial dtr) 6 times, omit last dc.
 [P4,5]
 Join to standing dc with a sl-st.
 Stitch count: 12 dc, 6 dtr7tog, 12 x 3 ch spaces, 6 x 4 ch spaces.



6. 1 ch and dc in same st, [P1]

(3 ch, dc in next st [P2], 9 dtr into eye of dtr7tog, dc in next st) 6 times, omit last dc. [P3,4]

Join to 1st dc, fasten off, and secure ends.

Stitch count: 12 dc, 6 x half circles of 9 dtr each, 6 x 3 ch spaces.



7. Working in front of both 3 ch, join with a standing tr in 1 ch space R4 [P1], 2 tr in same space, [P2]

(miss next st R6, dc in next 3 sts, htr in next st, in next st [5th dtr] (2 tr, 1 ch, 2 tr), htr in next st, dc in next 3 sts, miss next st, working in front of both 3 ch, 3 tr in 1 ch space R4) 6 times, omit last 3 tr. [P3,4,5]

Join to standing tr with a sl-st.

Stitch count: 36 dc, 12 htr, 42 tr, 6 x 1 ch spaces.



8. 1 ch and **fptr3tog** around same st and next 2 sts [**3 tr's**], [**P1**]
 (tr in next 6 sts, in 1 ch space (2 tr, 2 ch, 2 tr), tr in next 6 sts [*take care not to miss the 1st hidden st*], **fptr3tog** around next 3 tr) 6 times, omit last fptr3tog. [**P2,3**]
 Join to 1st fptr3tog, fasten off, and secure ends.
 Stitch count: 96 tr, 6 fptr3tog, 6 x 2 ch spaces.



Hint: Stitch counts are now given per repeat.

9. Join with a standing **bptr** around last st before any 2 ch space, [**P1**]
 *in 2 ch space (2 htr, 2 ch, 2 htr) [**P2**], **bptr** around next 8 sts, **fpdc** around next st, **bptr** around next 8 sts. * [**P3,4**]
 Repeat from * to * 6 times, omit last bptr.
 Join to standing bptr with a sl-st.
 Stitch count: per repeat: 4 htr, 1 fpdc, 16 bptr, 1 x 2 ch space.



10. 1 ch and dc in same st [P1], dc in next 2 sts,
 *2ch, miss 2 ch space, dc in next 7 sts, miss next 3 sts,
 in next st [fpdc] ((dtr cluster, 3 ch) twice, dtr cluster), miss next 3 sts, dc in next 7 sts.
 *[P2,3]

Repeat from * to * 6 times, omit last 3 dc.

Join to 1st dc, fasten off, and secure ends.

Stitch count: per repeat: 14 dc, 3 dtr clusters, 2 x 3 ch spaces, 1 x 2 ch point space.



11. Join with a standing dc in last st before any 2 ch space, [P1]

*working over 2 ch, 3 dc in 2 ch space R9 [P2], dc in next 6 sts [*take care not to miss the 1st hidden st*] [P3], miss next st,
 (fp^{tr} around next cluster, 4 tr in next 3 ch space) twice, fp^{tr} around next cluster, miss next st, dc in next 6 sts. *[P4,5]

Repeat from * to * 6 times, omit last dc.

Join to standing dc with a sl-st.

Stitch count: per repeat: 15 dc, 8 tr, 3 fp^{tr}.



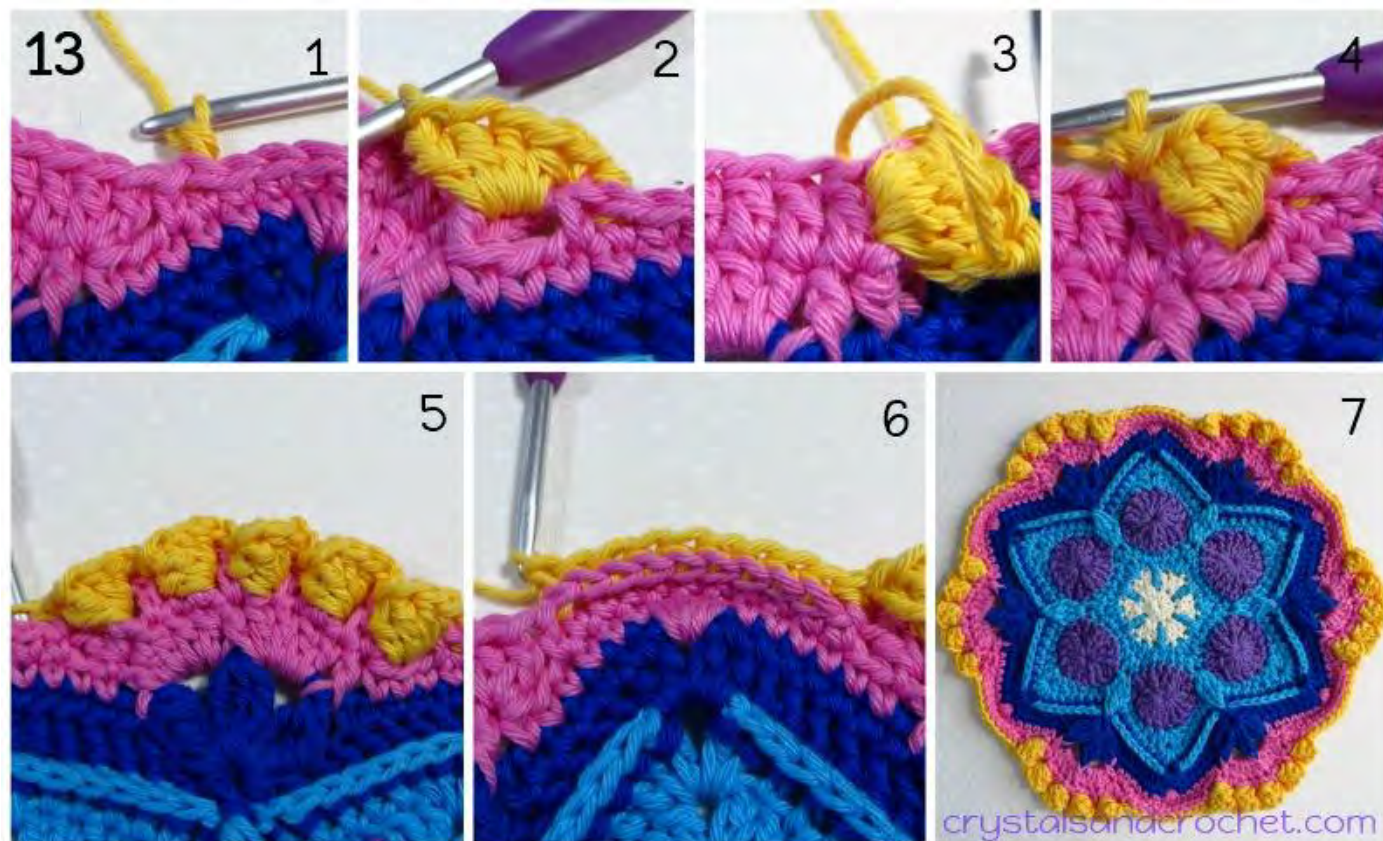
12. 1 ch and dc in same st [P1], dc in next 7 sts,
 *miss next 2 sts, 2 tr in next st [fptr], tr in next 4 sts, 3 tr in next st, tr in next 4 sts, 2 tr in
 next st, miss next 2 sts, dc in next 11 sts. *[P2,3]

Repeat from * to * 6 times, omit last 8 dc.
 Join to 1st dc, fasten off, and secure ends.
 Stitch count: per repeat: 11 dc, 15 tr.



13. Join with a standing bpdcc in 10th dc of any repeat, [P1]
 *miss next st, (in next st (fldc, fphtr, 3 fptr) miss next st, fldc in next st [ruffle st made])
 [P2,3,4,5] 5 times, miss next st, bpdcc around next 9 sts. *[P6,7]

Repeat from * to * 6 times, omit last bpdcc.
 Join to standing bpdcc, fasten off, and secure ends.
 Stitch count: per repeat: 9 bpdcc, 5 ruffle sts of 2 fldc, 1 fphtr and 3 fptr each.



14. Join with a standing htr in last bpdc of any repeat R13, [P1]

*bltr in next st R12, (tr in next st R12, bltr in next 2 sts R12) 4 times, tr in next st R12, bltr in next st R12, miss fldc, htr in next 3 sts R13, dc in next 3 sts R13, htr in next 3 sts R13.

*[P2,3]

Repeat from * to * 6 times, omit last htr.

Join to standing htr with a sl-st.

Stitch count: per repeat: 3 dc, 6 htr, 5 tr, 10 bltr.



15. 1 ch and dc in same st, dc in next 2 sts, [P1]

*Large point: htr in next st, tr in next 3 sts, dtr in next st, in next st (dtr, trtr, dtr), dtr in next st, tr in next 3 sts, htr in next st, dc in next 3 sts, [P2]

Small point: htr in next st, tr in next 2 sts, dtr in next st, tr in next 2 sts, htr in next st, dc in next 3 sts. *[P3,4,5]

Repeat from * to * 6 times, omit last 3 dc.

Join to 1st dc with a sl-st.

Stitch count: per repeat: 6 dc, 4 htr, 10 tr, 5 dtr, 1 trtr.



Hint: Place stitch marker in each 2ch small point space, and in each large point dtr, move markers up to new point spaces or stitches as you work, to end of part 1.

16. 1 ch and dc3tog over same st and next 2 dc, [P1]

* **Large point:** htr in next 3 sts, tr in next 3 sts, in next st [trtr] (2 tr, dtr, 2 tr), tr in next 3 sts, htr in next 3 sts, dc3tog over next 3 sts, [P2]

Small point: dc in next 3 sts, in next st [dtr] (dc, 2 ch, dc), dc in next 3 sts, dc3tog over next 3 sts. *[P3,4]

Repeat from * to * 6 times, omit last dc3tog.

Join to 1st dc3tog, fasten off, and secure ends.

Stitch count: per repeat: 8 dc, 2 dc3tog, 6 htr, 10 tr, 1 dtr, 1 x 2 ch space.



17. Join with a beginning bead st in dc3tog at beginning of any small point, [P1]

* **Small point:** (1 ch, miss next st, puff st in next st) twice, 1 ch, puff st in 2 ch space, 1 ch, (puff st in next st, 1 ch, miss next st) twice, [P2]

Large point: (bead st in next st, 1 ch, miss next 2 sts) 3 times, in point dtr (tr, bead st, tr), (1 ch, miss next 2 sts, bead st in next st) 3 times. *[P3,4]

Repeat from * to * 6 times, omit last bead st.

Join to beginning bead st, fasten off, and secure ends.

Stitch count: per repeat: 2 tr, 5 puff st, 7 bead st, 12 x 1 ch spaces.



Hint: work all dtr in front of 1ch spaces.

18. Join with a standing fpdc around last puff st of any small point, [P1]

***Large point:** dtr in next skipped st R16, (2 dc in next bead st, dtr in 2nd skipped st R16) 3 times, dc in next tr, dc in 1st st of next bead st, 2 ch, dc in 2nd st of same bead st, dc in next tr, (dtr in 1st missed st R16, 2 dc in next bead st) 3 times, dtr in next missed st R16, [P2]

Small point: fpdc around next puff st, dc in next 1 ch space, (fpdc around next puff st, 2 dc in next 1 ch space) twice, fpdc around next puff st, dc in next 1 ch space, fpdc around next puff st. *[P3,4,5]

Repeat from * to * 6 times, omit last fpdc.

Join to standing fpdc with a sl-st.

Stitch count: per repeat: 22 dc, 5 fpdc, 8 dtr, 1 x 2 ch space.



19. 1 ch and dc3tog in same st and next 2 sts, [P1]

* **Large point:** htr in next 10 sts, in 2 ch space (2 htr, 2 ch, 2 htr), htr in next 10 sts, dc3tog over next 3 sts, [P2]

Small point: dc in next 4 sts, 3 dc in next st, dc in next 4 sts, dc3tog over next 3 sts. *[P3,4]

Repeat from * to * 6 times, omit last dc3tog.

Join to 1st dc3tog, fasten off, and secure ends.

Stitch count: per repeat: 11 dc, 2 dc3tog, 24 htr, 1 x 2 ch space.



Hint: take care not to include post of 1st htr which forms part of dc3tog in bptr.

20. Join with a standing dc3tog over last dc of small point, dc3tog and 1st htr of large point, [P1]

***Large point:** bptr around next 11 sts, in 2 ch space (2 htr, 2 ch, 2 htr), bptr around next 11 sts, dc3tog over next 3 sts, [P2]

Small point: dc in next 4 sts, 3 dc in next st, dc in next 4 sts, dc3tog over next 3 sts.

*[P3,4]

Repeat from * to * 6 times, omit last dc3tog.

Join to standing dc3tog with a sl-st.

Stitch count: per repeat: 11 dc, 2 dc3tog, 4 htr, 22 bptr, 1 x 2 ch space.



21. 4 ch [*counts as tr plus 1ch*], [P1]

* **Large point:** miss next st, (tr in next st, 1 ch, miss next st) 6 times, in 2 ch space (tr, 2 ch, tr),

(1 ch, miss next st, tr in next st) 7 times, [P2]

Small point: htr in next 5 sts, 3 htr in next st, htr in next 5 sts, tr in next st [*dc3tog*], 1 ch.

*[P3,4,5]

Repeat from * to * 6 times, omit last tr and 1 ch.

Join to 3rd ch, fasten off, and secure ends.

Stitch count: per repeat: 13 htr, 16 tr, 14 x 1 ch spaces, 1 x 2 ch space.



22. Join with a standing dc in last htr of any small point, [P1]

* **Large point:** (bptr around next st, htr in next 1 ch space) 7 times, bptr around next st, in 2 ch space (2 htr, 2 ch, 2 htr), (bptr around next st, htr in next 1 ch space) 7 times, bptr around next st, [P2]

Small point: (dc in next st, long dc in next st R20) 3 times, 3 dc in next st, (long dc in next st R20, dc in next st) 3 times. *[P3,4,5]

Repeat from * to * 6 times, omit last dc.

Join to standing dc, fasten off, and secure ends.

Stitch count: per repeat: 9 dc, 6 long dc, 18 htr, 16 bptr.



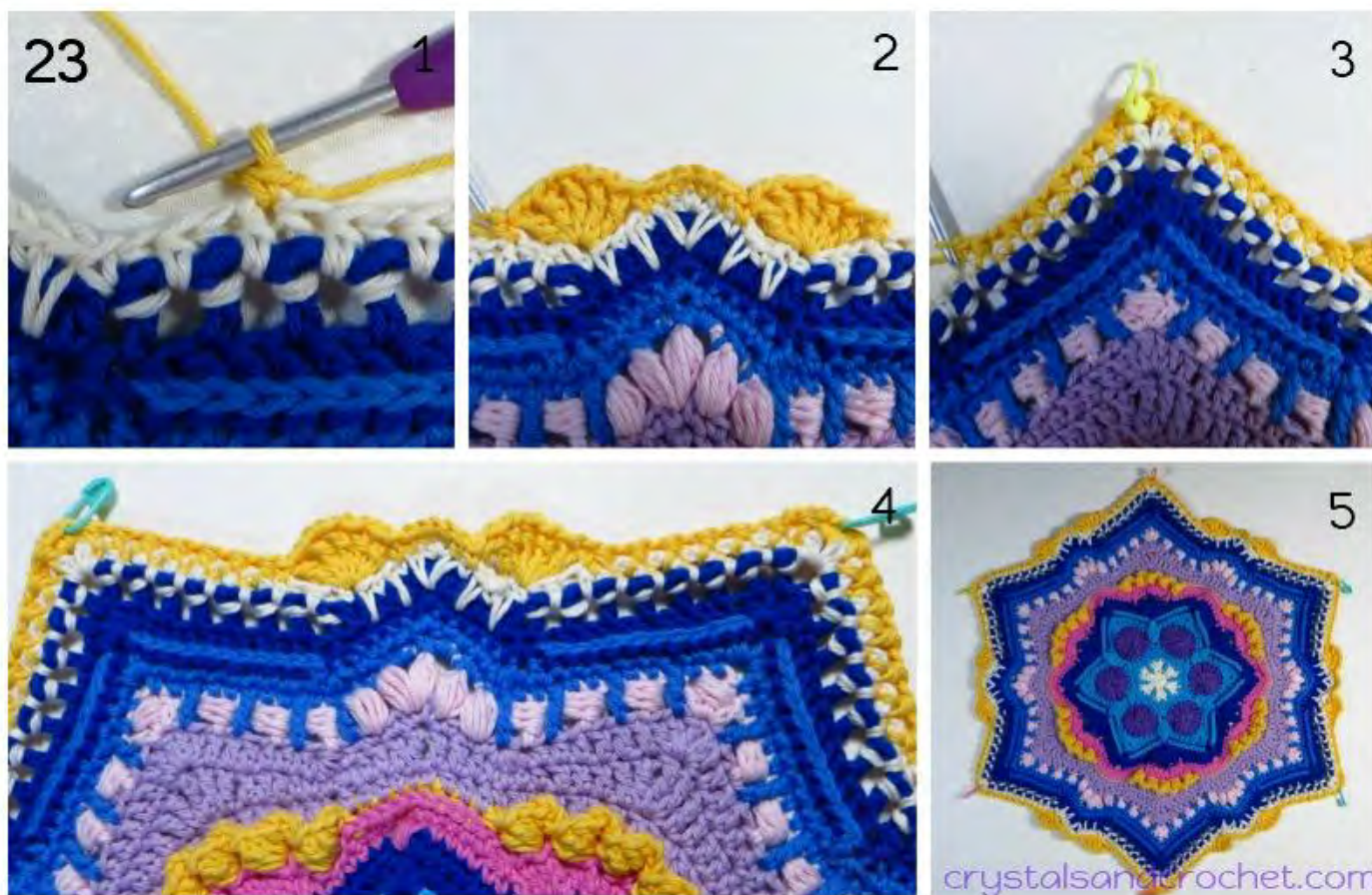
23. Join with a standing dc in htr made in 6th 1 ch space after large point 2 ch space, [P1]
* **Small point**: miss next 3 sts, in next st [*1st dc*] ((dtr, 1 ch) 4 times, dtr), miss next 3 sts, dc in next 7 sts, miss next 3 sts, in next st [*last dc*] ((dtr, 1 ch) 4 times, dtr), miss next 3 sts, [P2]

Large point: dc in next st, (fphtr around next st, bphtr around next st) 6 times, fphtr around next st, 3 dc in 2 ch space, (fphtr around next st, bphtr around next st) 6 times, fphtr around next st, dc in next st. *[P3,4,5]

Repeat from * to * 6 times, omit last dc.

Join to standing dc, fasten off, and secure ends.

Stitch count: per repeat: 12 dc, 14 fphtr, 12 bphtr, 10 dtr, 8 x 1 ch spaces.



24. Join with a standing fldtr in 6th fp htr after top of large point, [P1]
 *miss next 3 sts, (popcorn in next st, 1 ch, miss next 1ch space) 4 times, popcorn in next st, miss next 3 sts, dc in next st [P2,3], miss next 3 sts, (popcorn in next st, 1 ch, miss next 1ch space) 4 times, popcorn in next st, miss next 3 sts [P4], fldtr in next 12 sts, 3 fldtr in next st, fldtr in next 12 sts. *[P5,6,7]

Repeat from * to * 6 times, omit last fldtr.

Join to standing fldtr with a sl-st in back loop only.

Stitch count: per repeat: 1 dc, 27 fldtr, 10 popcorns, 8 x 1 ch spaces.



25. 1 ch and make a folding dc through back loop of same dtr and back loop of same st R23, [P1,2]

*(dc in next popcorn, dc in next 1 ch space) 4 times, dc in next popcorn, miss next st, (dc in next popcorn, dc in next 1 ch space) 4 times [P3], dc in next popcorn, folding dc in next 12 sts R23, 3 folding dc in next st R23 [*place stitch marker in 2nd folding dc*], folding dc in next 12 sts R23. *[P4,5,6]

Repeat from * to * 6 times, omit last folding dc.

Join to 1st folding dc, fasten off, and secure ends.

Stitch count: per repeat: 18 dc, 27 folding dc.



26. Join with a standing dc in any marked st, 2ch, dc in same st, [P1,2]
 *dc in next 2 sts, htr in next 3 sts, tr in next 9 sts, htr in next st,
 dc in next st, 2 dc in next 2 sts, dc in next st,
 htr in next st, tr in next st,
 working in front of R25 5 dtr in missed st R24, miss next 2 sts,
 tr in next st, htr in next st, dc in next st, 2 dc in next 2 sts, dc in next st, htr in next st, tr
 in next 9 sts, htr in next 3 sts, dc in next 2 sts, in next st (dc, 2 ch, dc). *[P3,4]

Repeat from * to * 6 times, omit last dc, 2 ch, dc.
 Join to standing dc, fasten off, and secure ends.
 Stitch count: per repeat: 18 dc, 10 htr, 20 tr, 5 dtr.



27. Join with a standing **fptr** around last st before any 2ch space, [P1]
 *in 2 ch space (2 htr, 2 ch, 2 htr), **fptr** around next 9 sts, [P2]
fpdtr3tog around next 3 sts, twice [P3]
fptr around next st, **fphtr** around next 6 sts, **fpdc** around next 2 sts,
 1 ch, miss next 2 sts, **bldc** in next st [*3rd dtr*] 1 ch, miss next 2 sts,
fpdc around next 2 sts, **fphtr** around next 6 sts, **fptr** around next st,
fpdtr3tog around next 3 sts twice, **fptr** around next 9 sts. * [P4]

Repeat from * to * 6 times, omit last **fptr**.

Join to standing **fptr** with a sl-st.

Stitch count: per repeat: 1 **bldc**, 4 **fpdc**, 4 htr, 12 **fphtr**, 20 **fptr**, 4 **fpdtr3tog**, 2 x 1 ch spaces, 1 x 2 ch space.



28. 1 ch and **fptr** around same st, **fptr** around next 2 sts, [P1]
 *3 htr in 2 ch space, **fptr** around next 22 sts, tr in next 1 ch space, tr in next st, tr in next 1 ch space, **fptr** around next 22 sts. * [P2]

Repeat from * to * 6 times, omit last 3 **fptr**.

Join to 1st **fptr** with a sl-st.

Stitch count: per repeat: 3 htr, 3 tr, 44 **fptr**.



29. 1 ch and fpdc around same st [P1], fpdc around next 3 sts,
 *3 dc in next st [2nd htr], fpdc around next 4 sts, fphtr around next 2 sts, fptr around
 next 10 sts, fphtr around next 2 sts, fpdc around next 13 sts, fphtr around next 2 sts,
 fptr around next 10 sts, fphtr around next 2 sts, fpdc around next 4 sts. *[P2]

Repeat from * to * 6 times, omit last 4 fpdc.
 Join to 1st fpdc, fasten off, and secure ends.
 Stitch count: per repeat: 3 dc, 21 fpdc, 8 fphtr, 20 fptr.



30. Join with a standing dc in 1st dc made in any point, [P1]
 *3 dc in point st [2nd dc], dc in next 25 sts, fptr5tog around 5 dtr R26, miss next st, dc in
 next 25 sts. *[2,3]

Repeat from * to * 6 times, omit last dc.
 Join standing dc, fasten off, and secure ends.
 Stitch count: per repeat: 53 dc, 1 fptr5tog.



Part 1 complete.

Please **do not** be tempted to block your work, to take a great photo, simply smooth out with your hands.

Blocking your work may stretch it out of shape, and make the next part more difficult for you.

Using any of the Double knit yarn packs and a 4mm hook your work will measure:
29 cm (11 ½ inches) per side, 56 cm (22 inches) point to point.

Aran yarn with a 5.5mm hook will measure:
36 cm (14 inches) per side, 77 cm (30 inches) point to point.