



MATERIALS

Red Heart® Super Saver® (198 g/7 oz; 333 m/364 yds)

Contrast A Light Grey (0341)	1 ball or 306 m/335 yds
Contrast B Real Teal (0656)	1 ball or 318 m/348 yds
Contrast C Lemon (0235)	1 ball or 270 m/295 yds
Contrast D Soft Navy (0387)	1 ball or 234 m/256 yds
Contrast E Soft White (0316)	1 ball or 298 m/326 yds
Contrast F Spring Green (0672)	1 ball or 209 m/228 yds
Contrast G Shocking Pink (0718)	1 ball or 226 m/247 yds
Contrast H Jade (3862)	1 ball or 258 m/285 yds

Size U.S. I/9 (5.5 mm) crochet hook **or size needed to obtain gauge.**
Stitch markers.



Mikey
from The Crochet Crowd



CROCHET | SKILL LEVEL: **INTERMEDIATE**

ABBREVIATIONS

Approx = Approximate(ly)
Beg = Begin(ing)
Ch = Chain(s)
Dscp = (Diamond corner sharp point). (2 dc. 1 tr. Ch 1. 1 tr. 2 dc) all in ch-1 sp (Corner Point)
Dc = Double crochet
Dtr = Double treble crochet
Hdc = Half double crochet
Popcorn = 5 dc in indicated stitch. Drop loop from hook. Re-insert hook from front to back into first dc of 5-dc group. Pull dropped loop through stitch. Ch 1 to close Popcorn

PM = Place marker
Rep = Repeat
Rem = Remain(ing)
Rnd(s) = Round(s)
RS = Right side
Sc = Single crochet
Sl st = Slip stitch
Sp(s) = Space(s)
St(s) = Stitch(es)
Tr = Treble crochet
V-st = (1 dc. Ch 2. 1 dc) in indicated stitch
WS = Wrong side

MEASUREMENTS

Approx 60" [152 cm] diameter from point to point.

GAUGE

13 sc and 14 rows = 4" [10 cm].

INSTRUCTIONS

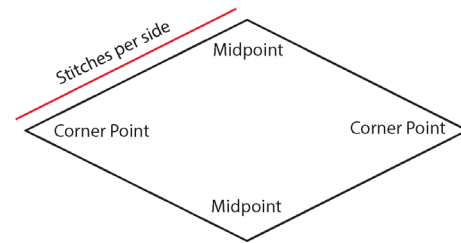
Welcome to The Study of Geometry

From Mikey: *Inspired by the quilting concept of diamonds that burst outward from the centre. Then filled in with a triangle to link them together for a hexagonal shape in the end. This was a summer school stitching project where I had to repeat the semester three times to get it right. I mean, my protractor was off, I'm sure of it but you know, denial is a great thing.*

What was throwing me into the pond where the angles of getting the triangles to sit correctly with just the precise stitchwork of growth. Like I would say to any student, try, try, try again. It's easier said than done.

Luckily for you, I've done the math and when the diamonds went together, I squealed with delight. I had to change my designing technique for this one which made it a worthwhile lesson. I think in future, I may be designing this same way as it seemed to work wonders.

So let's meet at the coffee shop just outside the park where I will have your summer school assignment. Our adventure will take us through the park.



Notes:

- Ch 4 at beg of rnds counts as dc and ch 1.
- To join all rnds with sl st to 3rd ch of ch-4.
- Use stitch marker to indicate Corner Points and Midpoint corners. Move markers as work progresses.
- To save time, weave in ends as you go.

Diamond (make 6)

See Diagrams on page 4.

With A, ch 4. Join with sl st to to form a ring.

1st rnd: (RS). Ch 1. (1 sc. 1 hdc. 1 dc. 1 tr) all in ring. Ch 1. PM on last ch-1 for first Corner Point. (1 tr. 1 dc. 1 hdc. 1 sc. 1 hdc. 1 dc. 1 tr) all in ring. Ch 1. PM on last ch-1 sp for second Corner Point. (1 tr. 1 dc. 1 hdc) all in ring. Join with sl st to first sc. 14 sts and 2 ch-1 sps (corner points).

2nd rnd: Ch 4 (counts as dc and ch-1 sp here and throughout). 1 dc in same sp as sl st. PM on 3rd ch of ch-4 for Midpoint. *1 dc in each of next 3 sts. Dscp. Move marker to ch-1 sp for Corner Point. 1 dc in each of next 3 sts.* (1 dc. Ch 1. 1 dc) in next sc. PM on last ch-1 for Midpoint. Rep from * to * once more. Join. Fasten off A. 7 sts between Corner Point and Midpoint ch-1 sps. Markers for 2 Corner Points and 2 Midpoints are in position. Move markers as work progresses.

3rd rnd: Join B with sl st to first Midpoint ch-1 sp. Ch 4. 1 dc in same sp as sl st. *Ch 1. Skip next dc. (1 dc in next dc. Ch 1. Skip next st) 3 times.** Dscp. Rep from * to ** once more.* (1 dc. Ch 1. 1 dc) in next Midpoint ch-1 sp. Rep from * to * once more. Join. Fasten off B. 11 sts between ch-1 sps.

4th rnd: Join C with sl st to first Midpoint ch-1 sp. Ch 4. 1 dc in same sp as sl st. *1 dc in each st and ch-1 sp to Corner Point ch-1 sp.** Dscp. Rep from * to ** once more.* (1 dc. Ch 1. 1 dc) in next Midpoint ch-1 sp. Rep from * to * once more. Join. Fasten off C. **Turn.** 15 sts between ch-1 sps.

5th rnd: (WS). Join D with sl st to Midpoint ch-1 sp. Ch 1. (1 sc. Ch 1. 1 sc) in same sp as sl st. *1 tr in next st, pushing post of tr to back of work. (1 sc in next st. 1 tr in next st) 7 times. (2 hdc. 1 dc. Ch 1. 1 dc. 2 hdc) in Corner Point ch-1 sp. 1 tr in next st. (1 sc in next st. 1 tr in next st) 7 times.* (1 sc. Ch 1. 1 sc) in next Midpoint ch-1 sp. Rep from * to * once more. Join with sl st to first sc. Fasten off D. **Turn.** 19 sts between ch-1 sps.

6th rnd: (RS). Join E with sl st to first Midpoint ch-1 sp. Ch 4. 1 dc in same sp as sl st. *1 dc in each st to Corner Point ch-1 sp. (2 dc. 1 tr. 1 dtr. Ch 1. 1 dtr. 1 tr. 2 dc) in Corner Point ch-1 sp. 1 dc in each st to Midpoint ch-1 sp.* (1 dc. Ch 1. 1 dc) in next Midpoint ch-1 sp. Rep from * to * once more. Join. Fasten off E. 24 sts between ch-1 sps.

7th rnd: (RS). Join F with sl st to first Midpoint ch-1 sp. Ch 4. 1 dc in same sp as sl st. *(Skip next 2 sts. V-st in next st) 8 times. (1 dc. Ch 2. 1 tr. Ch 1. 1 tr. Ch 2. 1 dc) in Corner Point ch-1 sp. V-st in next st. (Skip next 2 sts. V-st in next st) 7 times.* (1 dc. Ch 1. 1 dc) in next Midpoint ch-1 sp. Rep from * to * once more. Join. Fasten off F. 28 sts between ch-1 sps.

8th rnd: Join G with sl st to Midpoint ch-1 sp. Ch 4. 1 dc in same sp as sl st. *1 dc in next dc. Ch 1. Popcorn in next ch-2 sp. (Ch 2. Popcorn in next ch-2 sp) 8 times. Ch 1. Dscp. Ch 1. Popcorn in next ch-2 sp. (Ch 2. Popcorn in next ch-2 sp) 8 times. Ch 1. 1 dc in next dc.* (1 dc. Ch 1. 1 dc) in next Midpoint ch-1 sp. Rep from * to * once more. Join. Fasten off G. 32 sts between ch-1 sps. 9 Popcorns per each side.

9th rnd: Join A with sl st to first Midpoint ch-1 sp. Ch 4. 1 dc in same sp as sl st. *1 dc in each of next 2 dc. 1 dc in next ch-1 sp. 1 dc in next Popcorn. (2 dc in next ch-2 sp. 1 dc in next Popcorn) 8 times. 1 dc in next ch-1 sp. 1 dc in each of next 3 sts. Dscp. 1 dc in each of next 3 sts. 1 dc in next ch-1 sp. 1 dc in next Popcorn. (2 dc in next ch-2 sp. 1 dc in next Popcorn) 8 times. 1 dc in next ch-1 sp. 1 dc in each of next 2 dc.* (1 dc. Ch 1. 1 dc) in next Midpoint ch-1 sp. Rep from * to * once more. Join. Fasten off A. 36 sts between ch-1 sps.

10th rnd: Join C with sl st to first Midpoint ch-1 sp. Ch 4. 1 dc in same sp as sl st. * (1 dc in next st. Ch 1. Skip next st. 1 dc in next st) 18 times.* (1 dc. Ch 1. 1 dc) in next Midpoint ch-1 sp. Rep from * to * once more. Join. Fasten off C. 40 sts between Corner Point ch-1 sps.

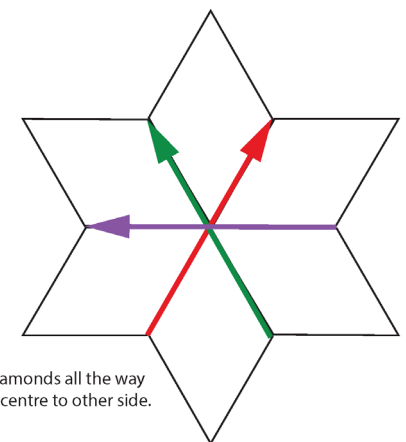
11th rnd: Join D with sl st to first Midpoint ch-1 sp. Ch 4. 1 dc in same sp as sl st. *1 dc in each st and ch-1 sp to Corner Point ch-1 sp.** Dscp. Rep from * to ** to Midpoint ch-1 sp.* (1 dc. Ch 1. 1 dc) in next Midpoint ch-1 sp. Rep from * to * once more. Join. Fasten off D. **Turn.** 44 sts between ch-1 sps.

12th rnd: (WS). Join E with sl st to first Midpoint ch-1 sp. Ch 1. (1 sc. Ch 1. 1 sc) in same sp as sl st. *(1 sc in next st. 1 tr in next st) 22 times. (2 hdc. 1 dc. Ch 1. 1 dc. 2 hdc) in Corner Point ch-1 sp. (1 tr in next st. 1 sc in next st) 22 times*. (1 sc. Ch 1. 1 sc) in Midpoint ch-1 sp. Rep from * to * once more. Join with sl st to first sc. Fasten off E. **Turn.** 48 sts between ch-1 sps.

13th rnd: (RS). Join B with sl st to first Midpoint ch-1 sp. Ch 4. 1 dc in same sp as sl st. *1 dc in each st to Corner Point ch-1 sp.** Dscp. Rep from * to ** once more.* (1 dc. Ch 1. 1 dc) in next Midpoint ch-1 sp. Rep from * to * once more. Join. Fasten off. 52 sts between ch-1 sps.

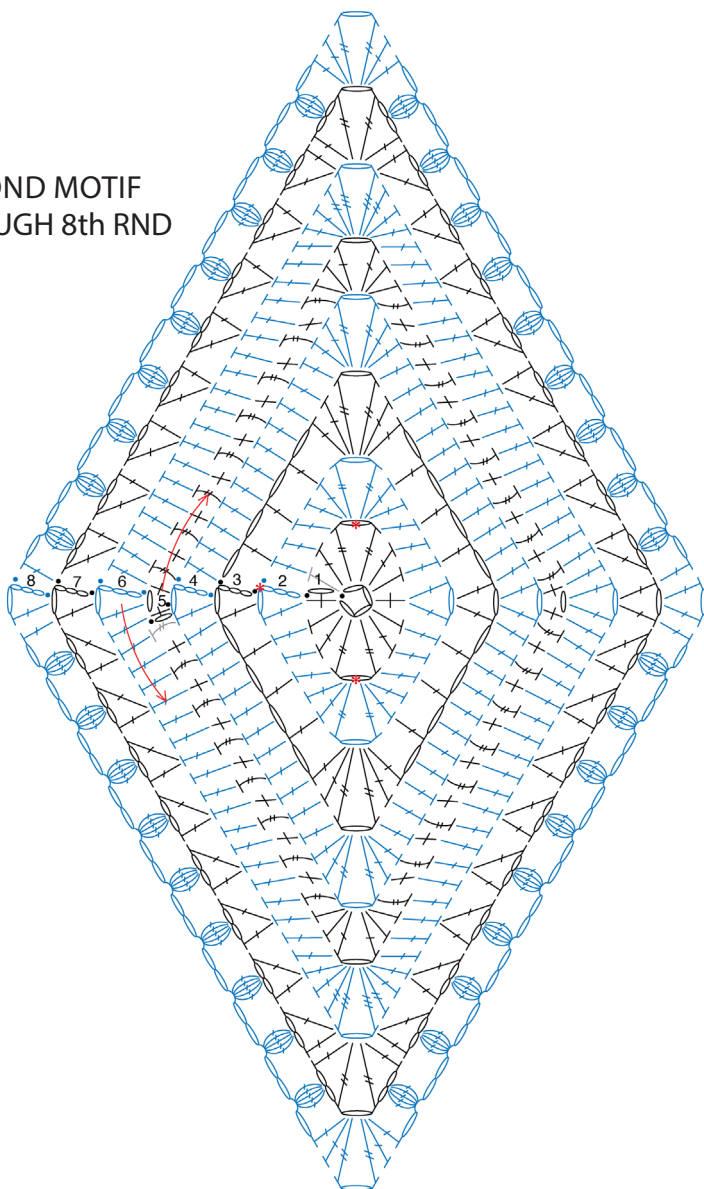
Note: Motif should be approx 27" [69 cm] long x 16" [41 cm] wide.

Join Diamonds tog: Cut strand of B 94" [234 cm] long. Sew Motifs tog, using whip stitch along with back loops starting at a midpoint corner from one side jumping over to center point to attach other two triangles across at the same time. This will help pull in the center points to have a beautiful closed look in the centre.

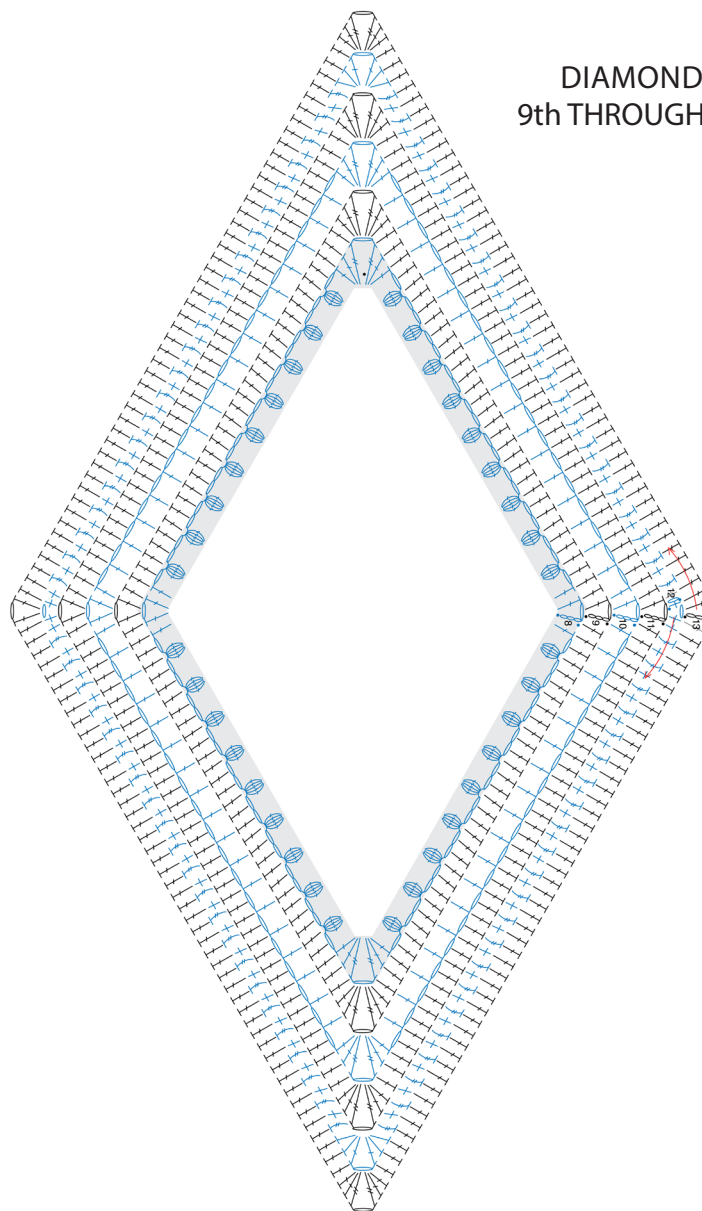




Sew diamonds all the way across centre to other side.

DIAMOND MOTIF
1st THROUGH 8th RND



DIAMOND MOTIF
9th THROUGH 13th RND



- STITCH KEY**
- = chain (ch)
 - = slip stitch (sl st)
 - + = single crochet (sc)
 - ┤ = half double crochet (hdc)
 - ┤ = double crochet (dc)
 - ┤ = treble crochet (tr)
 - ┤ = double treble crochet (dtr)
 -  = Diamond corner sharp point (Dscp)
 -  = V-stitch (V-st)



Triangle (Make 6)

Notes:

- Ch 3 at beg of row counts as dc.
- Ch 4 at beg of row counts as tr.

See Diagram on page 6.

With H, ch 4. Join with sl st to beg ch to form ring.

1st row: (WS). Ch 4. (1 tr. 1 dc. 1 hdc. 1 sc. 1 hdc. 1 dc. 2 tr) in ring. Turn. 9 sts.

2nd row: (RS). Ch 4. (1 tr. 2 dc) in first st. 1 dc in each of next 3 sts. (1 dc. Ch 1. 1 dc) in next sc. PM on last ch-1 sp made for Midpoint ch-1 sp 1 dc in each of next 3 sts. (2 dc. 2 tr) in last stitch. Turn. 8 sts at each side.

Marker for Midpoint is established. Move marker as work progresses.



3rd row: Ch 4. (1 tr. 2 dc) in first st. *Ch 1. Skip next st. (1 dc in next st. Ch 1. Skip next st) 3 times.* (1 dc. Ch 1. 1 dc) in next Midpoint ch-1 sp. Rep from * to * once more. (2 dc. 2 tr) in last st. Turn. 12 sts (dc and ch-1 sps) at each side.

4th row: Ch 4. (1 tr. 2 dc) in first st. *1 dc in each st and ch-1 sp to corner ch-1 sp.* (1 dc. Ch 1. 1 dc) in next Midpoint ch-1 sp. Rep from * to * once more. (2 dc. 2 tr) in last st. Turn. 16 sts at each side.

5th row: Ch 3. (1 dc. 2 hdc) in first st. 1 tr in next st. (1 sc in next st. 1 tr in next st) 7 times. (1 sc. Ch 1. 1 sc) in next Midpoint ch-1 sp. 1 tr in next st (1 sc in next st. 1 tr in next st) 7 times. (2 hdc. 2 dc) all in last st. Break H. Turn. 20 sts at each side.

6th row: Join A with sl st to first st. Ch 5 (counts as dtr). (1 dtr. 1 tr. 2 dc) in first st. 1 dc in each st to next corner ch-2 sp. (1 dc. Ch 1. 1 dc) in next Midpoint ch-1 sp. 1 dc in each st to last st. (2 dc. 1 tr. 2 dtr) in last st. Break A. Turn. 25 sts at each side.

7th row: Join F with sl st to first st. Ch 4. (1 tr. Ch 2. 1 dc) in first st. V-st in next st. (Skip next 2 sts. V-st in next st) 7 times. (1 dc. Ch 1. 1 dc) in next Midpoint ch-1 sp. (Skip next 2 sts. V-st in next st) 8 times. (1 dc. Ch 2. 2 tr) in last st. Break F. Turn. 29 sts at each side.

8th row: Join C with sl st to first st. Ch 4. (1 tr. 2 dc) in first st. Ch 1. Popcorn in next ch 2 sp. (Ch 2. Popcorn in next ch-2 sp) 8 times. Ch 1. 1 dc in last dc. (1 dc. Ch 1. 1 dc) in next Midpoint ch-1 sp. 1 dc in next dc. Ch 1. Popcorn in next ch-2 sp. (Ch 2. Popcorn in next ch-2 sp) 8 times. Ch 1. (2 dc. 2 tr) in last st. Break C. **Do not** turn. 33 sts at each side.

9th row: (RS). Join A with sl st to first st. Ch 4. (1 tr. 2 dc) in first st. 1 dc in each of next 3 sts. 1 dc in next ch-1 sp. 1 dc in next Popcorn. (2 dc in next ch-2 sp. 1 dc in next Popcorn) 8 times. 1 dc in next ch-1 sp. 1 dc in each of next 2 dc. (1 dc. Ch 1. 1 dc) in next Midpoint ch-1 sp. 1 dc in each of next 2 dc. 1 dc in next ch-1 sp. 1 dc in next Popcorn. (2 dc in next ch-2 sp. 1 dc in next Popcorn) 8 times. 1 dc in next ch-1 sp. 1 dc in each of next 3 sts. (2 dc. 2 tr) in last st. Break A. Turn. 37 sts at each side.

10th row: Join H with sl st to first st. Ch 4. (1 tr. 2 dc) in first st. (Ch 1. Skip 1 st. 1 dc in next st) 18 times. (1 dc. Ch 1. 1 dc) in next Midpoint ch-1 sp. 1 dc in next st. (Ch 1. Skip 1 st. 1 dc in next st) 17 times. Ch 1. Skip next st. (2 dc. 2 tr) in last st. Turn. 41 sts at each side.

11th row: Ch 4. (1 tr. 2 dc) in first st. *1 dc in each st and ch sp to corner.** (1 dc. Ch 1. 1 dc) in next Midpoint ch-1 sp. Rep from * to ** once. (2 dc. 2 tr) in last st. Break. Turn. 45 sts at each side.

12th row: Join E with sl st to first st. Ch 3. (1 dc. 2 hdc) in first st. (1 tr in next st. 1 sc in next st) 22 times. (1 sc. Ch 1. 1 sc) in next Midpoint ch-1 sp. (1 sc in next st. 1 tr in next st) 22 times. (2 dc. 2 tr) in last st. Break. Turn. 49 sts at each side.

13th row: Join B with sl st to first st. Ch 4. 2 dc in first st. *1 dc in each st to Midpoint ch-1 sp.** (1 dc. Ch 1. 1 dc) in next Midpoint ch-1 sp. Rep from * to ** once. (2 dc. 1 tr) in last st. Fasten off. 52 sts at each side.

Join Triangles to Diamonds:

Cut strand of B 36" [92 cm] long. Following Diagram, sew Triangles to Diamonds, using whip stitch along with back loops starting at the midpoint corner going outward to the sharp point corner. Start again at the same point working down the opposite side of the triangle. Start again at the same point working down the opposite side of the triangle.

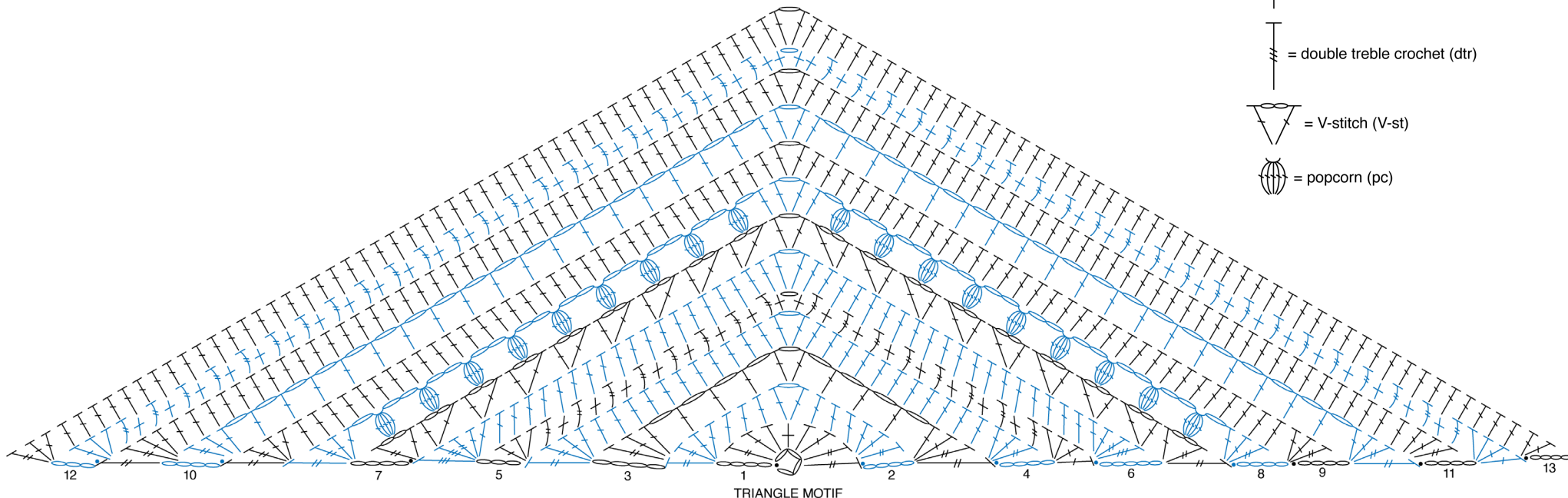
With B, cut a 36" [92 cm] strand sew starting with the back loops using whip stitch at the midpoint corner going outward to the sharp point corner. Start again at the same point working down the opposite side of the triangle. If a triangle is already in place, be sure to sew around the points of the triangle you are putting in and the one already in place to pull the points together.

FINISHING

Pin work to measurements. Cover with a damp cloth leaving cloth to dry.

STITCH KEY

- = chain (ch)
- = slip stitch (sl st)
- + = single crochet (sc)
- ┐ = half double crochet (hdc)
- └ = double crochet (dc)
- ┘ = treble crochet (tr)
- ┘ = double treble crochet (dtr)
- ▽ = V-stitch (V-st)
- ⊗ = popcorn (pc)



TRIANGLE MOTIF

BORDER OF BLANKET



Notes:

- When counting first rnd, the middle of the triangle (ch 4 that forms the ring) is centre point.
- There is 50 sts between corner st and centre point. There is a total of 101 sts across long side of Triangle.

See Diagram on page 8.

1st rnd: With RS facing, join H with sl st to connection point between 2 triangles. Ch 3 (counts as dc). (1 dc. 1 tr) in same sp as sl st. *Work 95 sc to next corner.** (1 tr. 2 dc. Ch 1. 2 dc. 1 tr) in next connection spot where triangles meet up. Rep from * 4 times more, then from * to ** once. (1 tr. 2 dc) in same sp as first sl st. Ch 1. Join with sl st to top of ch-3. Fasten off H. 101 sts between corner ch-1 sps.

2nd rnd: Join C with sl st to corner ch-1 sp. Ch 1. 1 sc in same sp as sl st. *1 sc in each st to next corner ch-1 sp.** (1 sc. Ch 1. 1 sc) in next corner ch-1 sp. Rep from * 4 times more, then from * to ** once. 1 sc in same sp as first sl st. Ch 1. Join with sl st to first sc. Fasten off C. 103 sts between corner ch-1 sps. Turn.

3rd rnd: (WS). Join G with sl st to corner ch-1 sp. Ch 1. *(1 sc. Ch 1. 1 sc) in same sp as sl st. 1 tr in next st. **1 sc in next st. 1 tr in next st.** Rep from ** to ** to next corner ch-1 sp. Rep from * 5 times more. Join with sl st to first sc. 105 sts between corner ch-1 sps. Fasten off G. Turn.

4th rnd: (RS). Join D with sl st to corner ch-1 sp. Ch 1. 1 sc in same sp as sl st. *1 sc in each st to next corner ch-1 sp.** (1 sc. Ch 1. 1 sc) in next corner ch-1 sp. Rep from * 4 times more, then rep * to ** once more. 1 sc in same sp as first sl st. Ch 1. Join with sl st to first sc. Fasten off D. 107 sts between corner ch-1 sps.

5th rnd: Join F with sl st to corner ch-1 sp. Ch 5 (counts as 1 dc and ch-2). 1 dc in same sp as sl st. *(Skip next 2 sts. V-st in next st) 35 times.** (2 V-sts in next corner). Rep from * 4 times more, then from * to ** once. V-st in same sp as first sl st. Join with sl st to 3rd chain of ch-5. Fasten off F. 37 V-sts across one side.

6th rnd: Join A with sl st to any ch-2 sp. Ch 1. 3 sc in same sp as sl st. *3 sc in next ch-2 sp. Rep from * around. Join with sl st to first sc. Fasten off.

