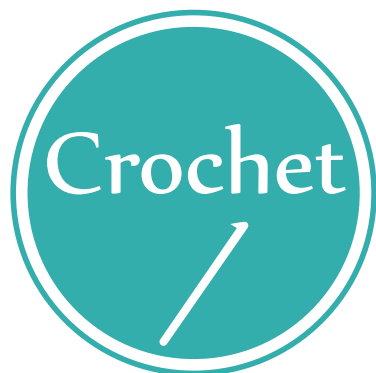


Plutonian Paul Alien Sun Hat



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EASY



Sizes:

Hat Size	Head Circumference
6-12 mos	16" - 18" (41 - 46 cm)
1-3 yrs	18" - 20" (46 - 51 cm)
3-5 yrs	20" - 21" (51 - 53.5 cm)
5 yrs - Preteens	21" - 22" (53.5 - 56 cm)
Teens - Adults	22" - 23" (56 - 58.5 cm)

Materials:

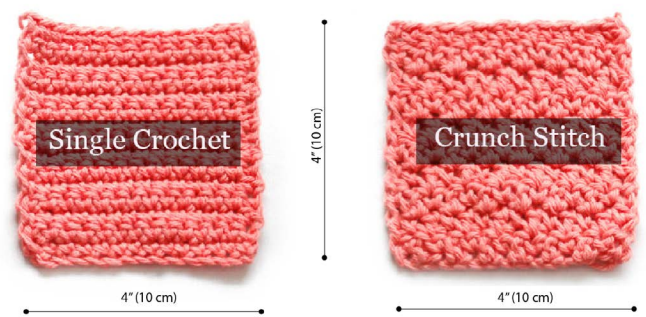
- **Lily Sugar'n Cream Yarn** 100% cotton; 2.5 oz / 71 g; 120 yd / 109 m; **Weight category:** 4 / Worsted; **Qty:** 1 (1; 1; 2; 2) ball(s) of Main Color; small amount of secondary colors.
- Small amount of any bulky eyelash yarn for finishing Alien Eye
- Tapestry needle

Hooks:

- 3.75 mm (F), 4.25 mm (G), 5 mm (H), 5.5 mm (I)

Gauge:

- Single Crochet Pattern: 13 sc sts X 15 rows = 4" X 4" (10 X 10 cm) working with hook 5.5 mm (I)
- Crunch Stitch Pattern (page 4): 13 sts X 10 rows = 4" X 4" (10 X 10 cm) working with hook 5.5 mm (I)



Please check your tension before starting your work. Use any hook size to obtain the gauge.

Abbreviations:

(American Terms in alphabetical order)

Approx	Approximately
Beg	Beginning
Cont	Continue
Ch	Chain
Dc	Double crochet
Ea	Each
Hdc	Half Double Crochet
Lp(s)	Loop(s)
Rnd(s)	Round(s)
RS	Right Side
Sc	Single crochet
Sl st	Slip stitch
Sp	Space
SP-2	Spike stitch in second row below
St(s)	Stitch(es)
WS	Wrong Side
Ww	Worsted weight
Yo	Yarn over
()	Parentheses are used in explanations, multiple size instructions, or indicates a group of sts. Ex: (sc; dc) in next st - means you need to work 1 sc & 1 dc in same stitch
[]	Work instructions within brackets as many times as directed

Colors:

MC	Main Color - Hot Blue 01742 or Hot Green 01712
CC	Contrasting Colors - Hot Green 01712 or Hot Blue 01742
WC	White 00001
BC	Black (any ww yarn)
RC	Red color (any ww yarn)
FF	Furry Eyelash Yarn

Finished Measurements:

SIZE	WIDTH - A	WIDTH - B	WIDTH - C	HEIGHT - A	HEIGHT - B	HEIGHT - C
6-12 mos	8.25" (21 cm)	8.5" (21.5 cm)	10.75" (27.5 cm)	7" (17.75 cm)	5.5" (14 cm)	1.5" (3.75 cm)
1-3 yrs	8.75" (22.25 cm)	9.3" (23.5 cm)	11.5" (29.2 cm)	7.4" (18.75 cm)	5.9" (15 cm)	1.5" (3.75 cm)
3-5 yrs	9.3" (23.5cm)	10" (25.5 cm)	12" (30.5 cm)	7.8" (19.75 cm)	6.3" (16 cm)	1.5" (3.75 cm)
5 yrs - Preteens	10" (25.5cm)	10.5" (26.5 cm)	12.5" (31.75 cm)	8.5" (21.5 cm)	6.7" (17 cm)	1.8" (4.5 cm)
Teens - Adults	10.5" (26.5cm)	11" (28 cm)	13" (33 cm)	8.8" (22.5 cm)	7" (18 cm)	1.8" (4.5 cm)

Tip: If the height of your hat appears to be too short or too long, just increase or decrease rounds of crunch stitch before brim edging.

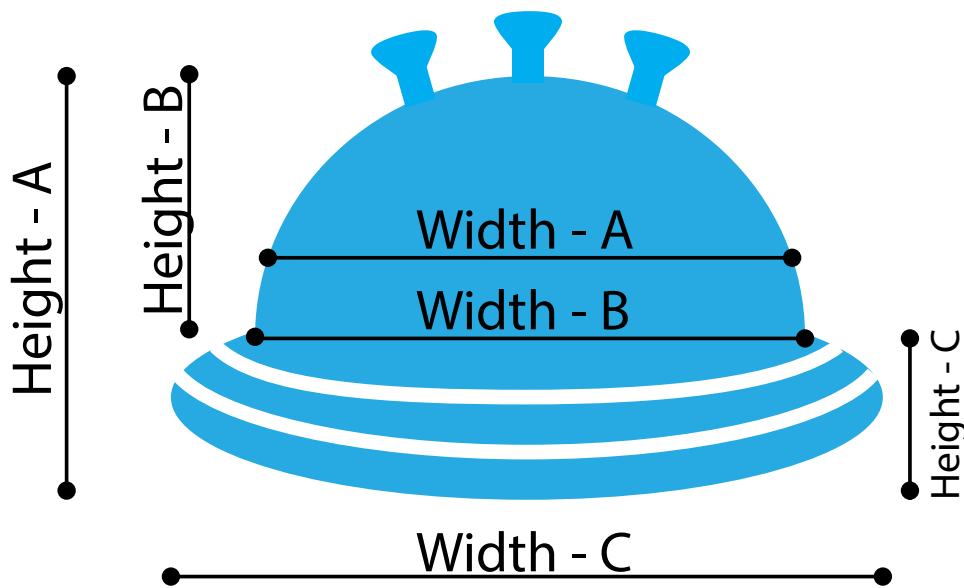
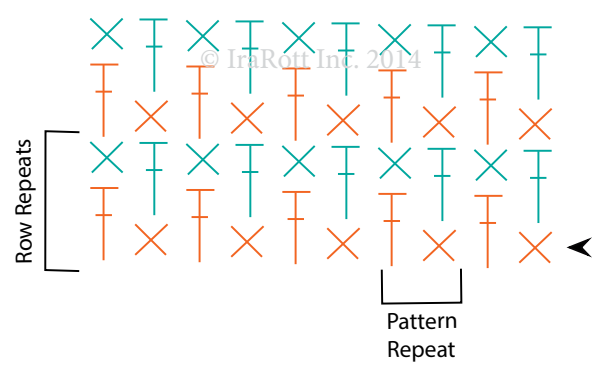


Diagram Key:

-  Chain (ch)
-  Slip stitch (sl st)
-  Single crochet (sc)
-  2 Single crochet in same space
-  Double crochet (dc)
-  Half double crochet (hdc)
-  Magic circle / loop / ring
-  Direction indicator

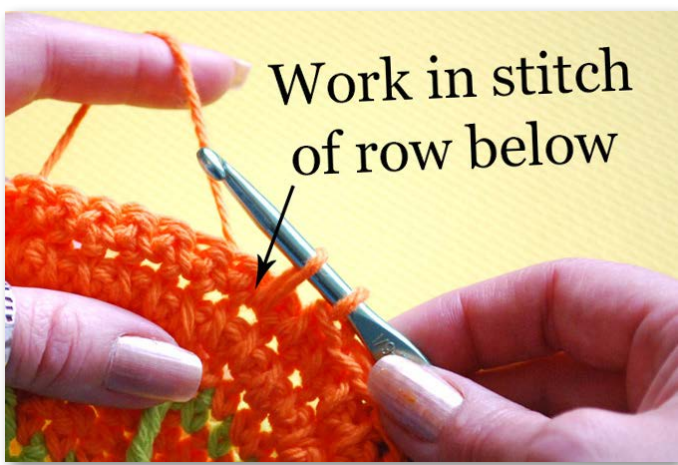
- **Crunch Stitch (Diagram 1)** - Rnd 1: [sc; dc] repeat around; Rnd 2: [dc; sc] repeat around. Repeat rounds 1 & 2 as indicated in the pattern.

Diagram 1:

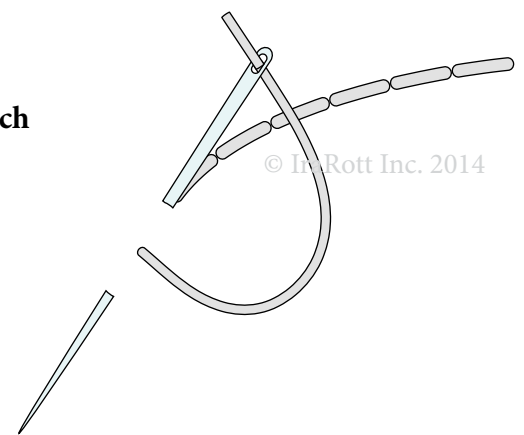


Special Stitches:

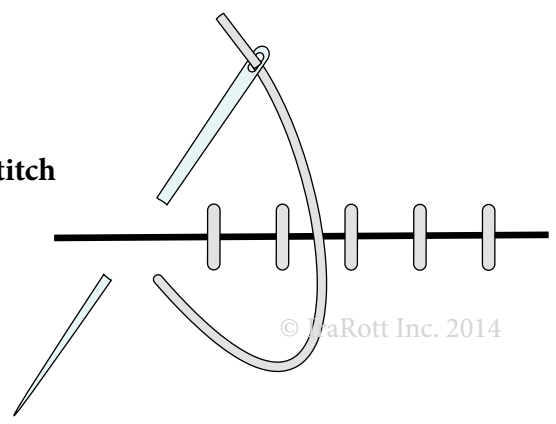
- **Spike (Long) stitch (SP-2)** - Insert hook in st one row below your working row (second row below) & draw up a lp to the same height as the first lp on your hook; yo & pull through both lps.



• Back Stitch



• Whip Stitch



HAT, 6-12 mos:

Work in the round with **MC** & hook 5.5 mm (I).

NOTE: Do not count beg (ch 2) or (ch 1) as a stitch throughout.

To begin: ch 3; join ch with a sl st to form a ring (or start with a magic loop)

Rnd 1: ch 2; 12 hdc in ring; join with sl st in top of beg st = 12 sts

Rnd 2: ch 2; 2 hdc in ea st around; join with sl st in top of beg st = 24 sts

Rnd 3: ch 2; [hdc in next st; 2 hdc in next st] 12 times; join with sl st in top of beg st = 36 sts

Rnd 4: ch 2; [hdc in next 2 sts; 2 hdc in next st] 12 times; join with sl st in top of beg st = 48 sts

Rnd 5: ch 1; [sc in next 5 sts; 2 sc in next st] 7 times; sc in last 6 sts; do not join = 55 sts

Work Crunch Stitch pattern in the round continuously; use a stitch marker to mark the beg of ea rnd:

Rnd 6: sc in first st of previous rnd; [dc in next st; sc in next st] 27 times = 55 sts

Rnd 7: dc in first st of previous rnd; [sc in next st; dc in next st] 27 times = 55 sts

Rnd 8-15: repeat Rnds 6 & 7 four times

The height of your hat base should turn out 5.5" (14 cm). Work more or less rounds of Crunch Stitch if alterations are needed. Sl st in next st & cont to work Brim:

Rnd 16: ch 1; [sc in next 2 sts; 2 sc in next st] 18 times; sc in last st; join with sl st to beg st = 73 sts

Drop **MC**; join **WC** & work rnd:

Rnd 17: ch 1; sc in ea st around; join with sl st to beg st = 73 sts

Drop **WC**, pick up **MC** & work next rnd:

Rnd 18: ch 1; sc in ea st around; join with sl st to beg st = 73 sts

Drop **MC**, pick up **WC** & work next rnd:

Rnd 19: ch 1; sc in ea st around; join with sl st to beg st = 73 sts

Break **WC**, pick up **MC** & work last 2 rnds:

Rnd 20: ch 1; sc in ea st around; join with sl st to beg st = 73 sts

Rnd 21: ch 1; SP-2 around; join with sl st to beg st = 73 sts

Fasten off & weave in all the ends on WS.

HAT, 1-3 yrs:

Work in the round with **MC** & hook 5.5 mm (I).

NOTE: Do not count beg (ch 2) or (ch 1) as a stitch throughout.

To begin: ch 3; join ch with a sl st to form a ring (or start with a magic loop)

Rnd 1: ch 2; 12 hdc in ring; join with sl st in top of beg st = 12 sts

Rnd 2: ch 2; 2 hdc in ea st around; join with sl st in top of beg st = 24 sts

Rnd 3: ch 2; [hdc in next st; 2 hdc in next st] 12 times; join with sl st in top of beg st = 36 sts

Rnd 4: ch 2; [hdc in next 2 sts; 2 hdc in next st] 12 times; join with sl st in top of beg st = 48 sts

Rnd 5: ch 1; [sc in next 3 sts; 2 sc in next st] 11 times; sc in last 4 sts; do not join = 59 sts

Work Crunch Stitch pattern in the round continuously; use a stitch marker to mark the beg of ea rnd:

Rnd 6: sc in first st of previous rnd; [dc in next st; sc in next st] 29 times = 59 sts

Rnd 7: dc in first st of previous rnd; [sc in next st; dc in next st] 29 times = 59 sts

Rnd 8-15: repeat Rnds 6 & 7 four times

Rnd 16: work same as Rnd 6

~ Pattern continues on next page ~

The height of your hat base should turn out 5.9" (15 cm). Work more or less rounds of Crunch Stitch if alterations are needed. Sl st in next st & cont to work Brim:

Rnd 17: ch 1; [sc in next 2 sts; 2 sc in next st] 19 times; sc in last 2 sts; join with sl st to beg st = 78 sts

Drop **MC**; join **WC** & work rnd:

Rnd 18: ch 1; sc in ea st around; join with sl st to beg st = 78 sts

Drop **WC**, pick up **MC** & work next rnd:

Rnd 19: ch 1; sc in ea st around; join with sl st to beg st = 78 sts

Drop **MC**, pick up **WC** & work next rnd:

Rnd 20: ch 1; sc in ea st around; join with sl st to beg st = 78 sts

Break **WC**, pick up **MC** & work last 2 rnds:

Rnd 21: ch 1; sc in ea st around; join with sl st to beg st = 78 sts

Rnd 22: ch 1; SP-2 around; join with sl st to beg st = 78 sts

Fasten off & weave in all the ends on WS.

HAT, 3-5 yrs:

Work in the round with **MC** & hook 5.5 mm (I).

NOTE: Do not count beg (ch 2) or (ch 1) as a stitch throughout.

To begin: ch 3; join ch with a sl st to form a ring (or start with a magic loop)

Rnd 1: ch 2; 12 hdc in ring; join with sl st in top of beg st = 12 sts

Rnd 2: ch 2; 2 hdc in ea st around; join with sl st in top of beg st = 24 sts

Rnd 3: ch 2; [hdc in next st; 2 hdc in next st] 12 times; join with sl st in top of beg st = 36 sts

Rnd 4: ch 2; [hdc in next 2 sts; 2 hdc in next st] 12 times; join with sl st in top of beg st = 48 sts

Rnd 5: ch 1; [sc in next 3 sts; 2 sc in next st] 12 times; do not join = 60 sts

Work Crunch Stitch pattern in the round continuously; use a stitch marker to mark the beg of ea rnd:

Rnd 6: sc in first st of previous rnd; (dc; sc) in next st; [dc in next st; sc in next st] 9 times; dc in next st; (sc; dc) in next st; [sc in next st; dc in next st] 9 times; sc in next st; (dc; sc) in next st; [dc in next st; sc in next st] 9 times = 63 sts

Rnd 7: dc in first st of previous rnd; [sc in next st; dc in next st] 31 times = 63 sts

Rnd 8: sc in first st of previous rnd; [dc in next st; sc in next st] 31 times = 63 sts

Rnd 9-16: repeat Rnds 7 & 8 four times

Rnd 17: work same as Rnd 7

The height of your hat base should turn out 6.3" (16 cm). Work more or less rounds of Crunch Stitch if alterations are needed. Sl st in next st & cont to work Brim:

Rnd 18: ch 1; [sc in next 2 sts; 2 sc in next st] 21 times; join with sl st to beg st = 84 sts

Drop **MC**; join **WC** & work rnd:

Rnd 19: ch 1; sc in ea st around; join with sl st to beg st = 84 sts

Drop **WC**, pick up **MC** & work rnd:

Rnd 20: ch 1; sc in ea st around; join with sl st to beg st = 84 sts

Drop **MC**, pick up **WC** & work next rnd:

Rnd 21: ch 1; sc in ea st around; join with sl st to beg st = 84 sts

Break **WC**, pick up **MC** & work last 2 rnds:

Rnd 22: ch 1; sc in ea st around; join with sl st to beg st = 84 sts

Rnd 23: ch 1; SP-2 around; join with sl st to beg st = 84 sts

Fasten off & weave in all the ends on WS.

HAT, 5 yrs – Preteens:

Work in the round with **MC** & hook 5.5 mm (I).

NOTE: Do not count beg (ch 2) or (ch 1) as a stitch throughout.

To begin: ch 3; join ch with a sl st to form a ring (or start with a magic loop)

Rnd 1: ch 2; 12 hdc in ring; join with sl st in top of beg st = 12 sts

Rnd 2: ch 2; 2 hdc in ea st around; join with sl st in top of beg st = 24 sts

Rnd 3: ch 2; [hdc in next st; 2 hdc in next st] 12 times; join with sl st in top of beg st = 36 sts

Rnd 4: ch 2; [hdc in next 2 sts; 2 hdc in next st] 12 times; join with sl st in top of beg st = 48 sts

Rnd 5: ch 2; [hdc in next 3 sts; 2 hdc in next st] 12 times; join with sl st in top of beg st = 60 sts

Rnd 6: ch 1; [sc in next 9 sts; 2 sc in next st] 6 times; do not join = 66 sts

Work Crunch Stitch pattern in the round continuously; use a stitch marker to mark the beg of ea rnd:

Rnd 7: (sc; dc) in first st of previous rnd; sc in next st; [dc in next st; sc in next st] 32 times = 67 sts

Rnd 8: dc in first st of previous rnd; [sc in next st; dc in next st] 33 times = 67 sts

Rnd 9: sc in first st of previous rnd; [dc in next st; sc in next st] 33 times = 67 sts

Rnd 10-17: repeat Rnds 8 & 9 four times

Rnd 18: work same as Rnd 8

The height of your hat base should turn out 6.7" (17 cm). Work more or less rounds of Crunch Stitch if alterations are needed. Sl st in next st & cont to work Brim:

Rnd 19: ch 1; [sc in next 2 sts; 2 sc in next st] 22 times; sc in last st; join with sl st to beg st = 89 sts

Rnd 20: ch 1; sc in ea st around; join with sl st to beg st = 89 sts

Drop **MC**; join **WC** & work rnd:

Rnd 21: ch 1; sc in ea st around; join with sl st to beg st = 89 sts

Drop **WC**, pick up **MC** & work next rnd:

Rnd 22: ch 1; sc in ea st around; join with sl st to beg st = 89 sts

Drop **MC**, pick up **WC** & work next rnd:

Rnd 23: ch 1; sc in ea st around; join with sl st to beg st = 89 sts

Break **WC**, pick up **MC** & work last 2 rnds:

Rnd 24: ch 1; sc in ea st around; join with sl st to beg st = 89 sts

Rnd 25: ch 1; SP-2 around; join with sl st to beg st = 89 sts

Fasten off & weave in all the ends on WS.

HAT, Teens – Adults:

Work in the round with **MC** & hook 5.5 mm (I).

NOTE: Do not count beg (ch 2) or (ch 1) as a stitch throughout.

To begin: ch 3; join ch with a sl st to form a ring (or start with a magic loop)

Rnd 1: ch 2; 12 hdc in ring; join with sl st in top of beg st = 12 sts

Rnd 2: ch 2; 2 hdc in ea st around; join with sl st in top of beg st = 24 sts

Rnd 3: ch 2; [hdc in next st; 2 hdc in next st] 12 times; join with sl st in top of beg st = 36 sts

Rnd 4: ch 2; [hdc in next 2 sts; 2 hdc in next st] 12 times; join with sl st in top of beg st = 48 sts

Rnd 5: ch 2; [hdc in next 3 sts; 2 hdc in next st] 12 times; join with sl st in top of beg st = 60 sts

Rnd 6: ch 1; [sc in next 5 sts; 2 sc in next st] 10 times; do not join = 70 sts

~ Pattern continues on next page ~

Work Crunch Stitch pattern in the round continuously; use a stitch marker to mark the beg of ea rnd:

Rnd 7: (sc; dc) in first st of previous rnd; sc in next st; [dc in next st; sc in next st] 34 times = 71 sts

Rnd 8: dc in first st of previous rnd; [sc in next st; dc in next st] 35 times = 71 sts

Rnd 9: sc in first st of previous rnd; [dc in next st; sc in next st] 35 times = 71 sts

Rnd 10-19: repeat Rnds 8 & 9 five times

The height of your hat base should turn out 7" (18 cm). Work more or less rounds of Crunch Stitch if alterations are needed. Sl st in next st & cont to work Brim:

Rnd 20: ch 1; [sc in next 2 sts; 2 sc in next st] 23 times; sc in last 2 sts; join with sl st to beg st = 94 sts

Rnd 21: ch 1; sc in ea st around; join with sl st to beg st = 94 sts

Drop **MC**; join **WC** & work rnd:

Rnd 22: ch 1; sc in ea st around; join with sl st to beg st = 94 sts

Drop **WC**, pick up **MC** & work next rnd:

Rnd 23: ch 1; sc in ea st around; join with sl st to beg st = 94 sts

Drop **MC**, pick up **WC** & work next rnd:

Rnd 24: ch 1; sc in ea st around; join with sl st to beg st = 94 sts

Break **WC**, pick up **MC** & work last 2 rnds:

Rnd 25: ch 1; sc in ea st around; join with sl st to beg st = 94 sts

Rnd 26: ch 1; SP-2 around; join with sl st to beg st = 94 sts

Fasten off & weave in all the ends on WS.

Antennas: (Make 3)



Leaving a long tail at the beginning for sewing, work in the round continuously with **MC** & following hooks:

SIZE	HOOK
6-12 mos & 1-3 yrs	3.75 mm (F)
3-5 yrs & 5 yrs - Preteens	4.25 mm (G)
Teens - Adults	5 mm (H)

To begin: ch 7; join ch with sl st to form a ring

Rnd 1: ch1; sc in ea ch around; do not join = 7 sts

Rnd 2-6: sc in first sc of previous rnd; sc in next 6 sts = 7 sts

Rnd 7: 2 sc in ea st around = 14 sts

Rnd 8: sc in ea st around = 14 sts

Sl st in next st; fasten off & weave in the end from finishing round.

Tongue: (Make 1)

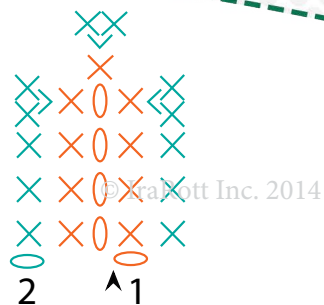
Work in rows with **RC** & same hooks as for antennas (Diagram 2, page 9).

Row 1: ch 5; sc in second ch from hook; sc in next 2 chs; 3 sc in last ch; rotate your work & cont working across bottom of foundation ch: sc in next 3 chs; turn = 9 sts

Row 2: ch 1; sc in next 3 sts; 2 sc in next 3 sts; sc in next 3 sts = 12 sts

Fasten off, leaving a long tail for sewing.

Diagram 2: (Tongue)

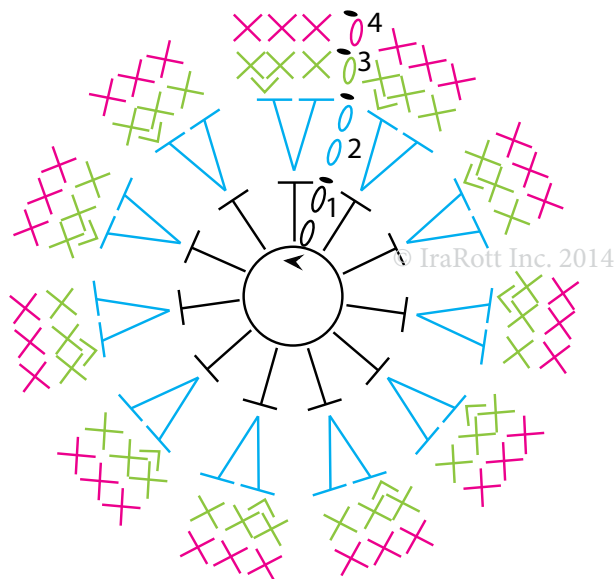


Eye: (Make 1)

Work in the round with hook 5.5 mm (I) (Diagram 3 & 4).

For 6-12 mos, 1-3 yrs, & 3-5 yrs:

Diagram 3:



Black Color (BC)
 Green Color (GC)
 White Color (WC)
 Eyelash Yarn (FF)

To begin: ch 3 with **BC**; join ch with a sl st to form a ring (or start with a magic loop)

Rnd 1: ch 2 (do not counts a hdc); 11 hdc in ring; join with sl st in top of beg st = 11 sts

Break **BC**; join **WC** & work next rnd:

Rnd 2: ch 2 (do not count as hdc); 2 hdc in ea st around; join with sl st in top of beg st = 22 sts

Break **WC**; join **CC** & work next rnd:

Rnd 3: ch 1 (do not count as st); [sc in next st; 2 sc in next st] 11 times; join with sl st to beg st = 33 sts

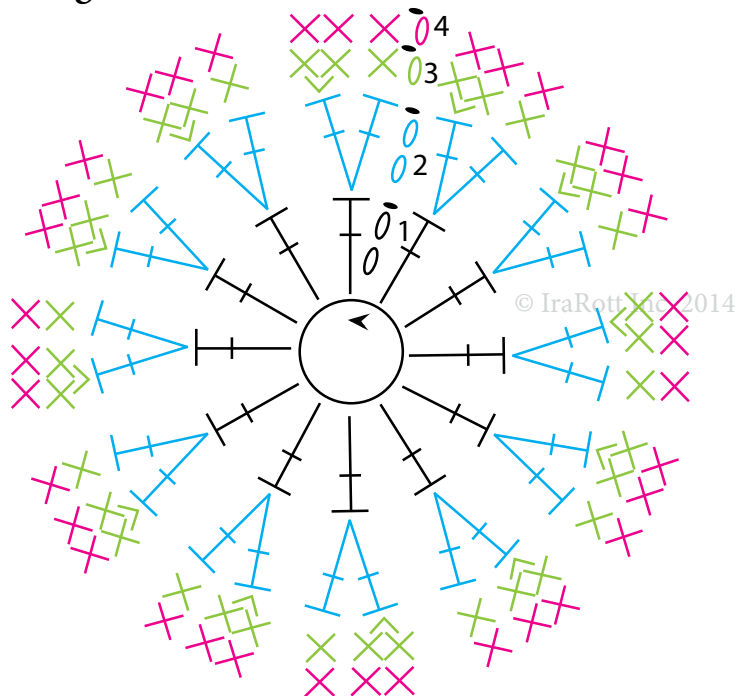
Break **CC**; join **FF**; turn & work last rnd:

Rnd 4: ch 1 (do not count as st); sc in ea st around; join with sl st to beg st = 33 sts

Fasten off, leaving a long tail for sewing. Stitch a twinkle with **WC**.

For 5 yrs - Preteens & Teens - Adults:

Diagram 4:



To begin: ch 3 with **BC**; join ch with a sl st to form a ring (or start with a magic loop)

Rnd 1: ch 2 (do not counts a dc); 12 dc in ring; join with sl st in top of beg st = 12 sts

~ Pattern continues on next page ~

Break **BC**; join **WC** & work next rnd:

Rnd 2: ch 2 (do not count as dc); 2 dc in ea st around; join with sl st in top of beg st = 24 sts

Break **WC**; join **CC** & work next rnd:

Rnd 3: ch 1 (do not count as st); [sc in next st; 2 sc in next st] 12 times; join with sl st to beg st = 36 sts

Break **CC**; join **FF**; turn & work last rnd:

Rnd 4: ch 1 (do not count as st); sc in ea st around; join with sl st to beg st = 36 sts

Fasten off, leaving a long tail for sewing. Stitch a twinkle with **WC**.

- Sew the other 2 antennas on either side from the first one, placing them by the edge of hdc hat crown (just before the crunch stitch begins).



- Back stitch the eye on the front of the hat.



- Whip stitch the tongue just before the first white stripe of the brim.



Finishing:

- Whip stitch your first antenna onto the top of the hat.



From the Designer:

I am a knit & crochet designer from Southern Ontario, Canada. I love working with yarns, textiles, & other fibers to express my ideas. Knitting & Crocheting have always been passions of mine! Thank you so much for purchasing this pattern, please feel free to e-mail me if you have any questions or need help with my patterns. I hope you enjoy this pattern as much as I enjoyed creating it.

Sincerely, Ira Rott



IraRott.com

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