

## Konoha Illusion Knitting Hat

This is a pattern for a rectangular-shaped hat, with a panel depicting Konoha/Leaf Village symbol (for fans of Naruto animated series) made using illusion knitting technique. Detailed written and charted instructions will guide you through, so that you make it, even if you never done illusion knitting before. There are also guidelines for making the hat in a different size/gauge.

You can use the illusion pattern for any other project as well, as it is described separately



### MATERIALS

- 4-ply 100% wool (Bamby by Grignasco, 225m/50gr) – 2 colours (orange and grey, for example).
- 3mm needles

### SIZE

Toddler - 1-2 years.

Finished measurements – circumference 42 cm, depth 14 cm. Mine came out very stretchy, so the finished measurements are smaller than usually recommended for that age.

Illusion knitting panel – 17cm wide by 9cm tall (40 stitches by 44 rows).

### GAUGE

23.8 stitches and 50 rows=10 cm/ 4 in using garter stitch

### ABBREVIATIONS

K – knit

P - purl

### INSTRUCTIONS

Colour advice – for the illusion to work properly, you need to choose contrasting colours of similar brightness. (so if one colour is full-bodied, it's not a good idea to choose a pale one for contrast).

Re-sizing advice – you can make the hat in any size and gauge, as long as you will pick up 100 or more stitches. Make a swatch of at least 15x15cm (6x6 in) in garter stitch (knit every stitch every row). Count how many stitches and rows fit in 10x10 cm (4x4 in). Divide these numbers by 10 (4) to get a number of stitches and rows in 1 cm (in). Multiply by number of cm (in) for your hat circumference to get the number of stitches for cast on, and by number of cm(in) of your hat depth for the total number of rows you need to make. There are a few resources where you can find average hat measurements. I use the table from [www.woollywarmhead.com](http://www.woollywarmhead.com):

To Fit	Premie	Newborn	Baby	Toddler	Child or Teenager	Adult	Large Adult
<b>Circumference</b>							
<b>inches</b>	12	14	16	18	20	22	24
<b>cm's</b>	30.5	35.5	40.5	45.5	50.5	56	61
<b>Length (crown to base of ear)</b>							
<b>inches</b>	4.25	5	5.75	6.5	7.25	8.25	9.25
<b>cm's</b>	11	12.5	14.5	16.5	18.5	21	23.5

The illusion section is 40 stitches by 44 rows, so I suggest that your hat should be at least 100 stitches by 68 rows to show the illusion properly.

Illusion Knitting comment – illusion knitting is a technique that creates images that are only seen from a certain angle. So as the person wearing the piece moves the image appears and disappears. The illusion is created by knitting in garter stitch in two colours switching colours after two rows (1 ridge), and by substituting knit stitches by purl ones in wrong side rows in certain location.

How to.

Cast on 100 stitches in orange colour. Unless specified otherwise, knit all stitches. Knit 2 rows in orange, then 2 rows in grey. Keep alternating these two colours every two rows throughout the whole piece.

After 12 rows, start incorporating illusion pattern. In illusion pattern, all right side (odd) rows are knitted). For wrong side rows, knit 30 stitches, then make 40 stitches from the pattern, then knit last 30 stitches. Below you will find both written and charted instructions.

Knit 20 more rows in garter stitch. Bind off.

Sew the back seam. Fold the resulting tube so that the back seam is in the center back and the illusion part is the middle of the front. Sew the top seam.

### Illusion knitting – written instructions

All right side (odd) rows are knitted. Do not forget to alternate colours every two rows.

Row 2 - K5, p21, k14

Row 4 - P5, k21, p24

Row 6 - K6, p2, k4, p3, k12, p2, k11

Row 8 - P6, k2, p4, k3, p12, k2, p11

Row 10 - K7, p2, k2, p2, k6, p3, k6, p2, k10

Row 12 - P7, k2, p2, k2, p6, k3, p6, k2, p10

Row 14 - K8, p4, k4, p2, k4, p3, k4, p2, k9

Row 16 - P8, k4, p4, k2, p4, k3, p4, k2, p9

Row 18 - K9, p3, k3, p2, k7, p1, k4, p2, k9

Row 20 - P9, k3, p3, k2, p7, k1, p4, k2, p9

Row 22 - K10, p2, k3, p1, k5, p4, k3, p2, k10

Row 24 - P10, k2, p3, k1, p5, k4, p3, k2, p10

Row 26 - K10, p2, k3, p2, k9, p3, k11

Row 28 - P10, k2, p3, k2, p9, k3, p11

Row 30 - K11, p2, k4, p10, k13

Row 32 - P11, k2, p4, k10, p13

Row 34 - K12, p2, k16, p1, k9

Row 36 - P12, k2, p16, k1, p9

Row 38 - K14, p3, k11, p5, k7

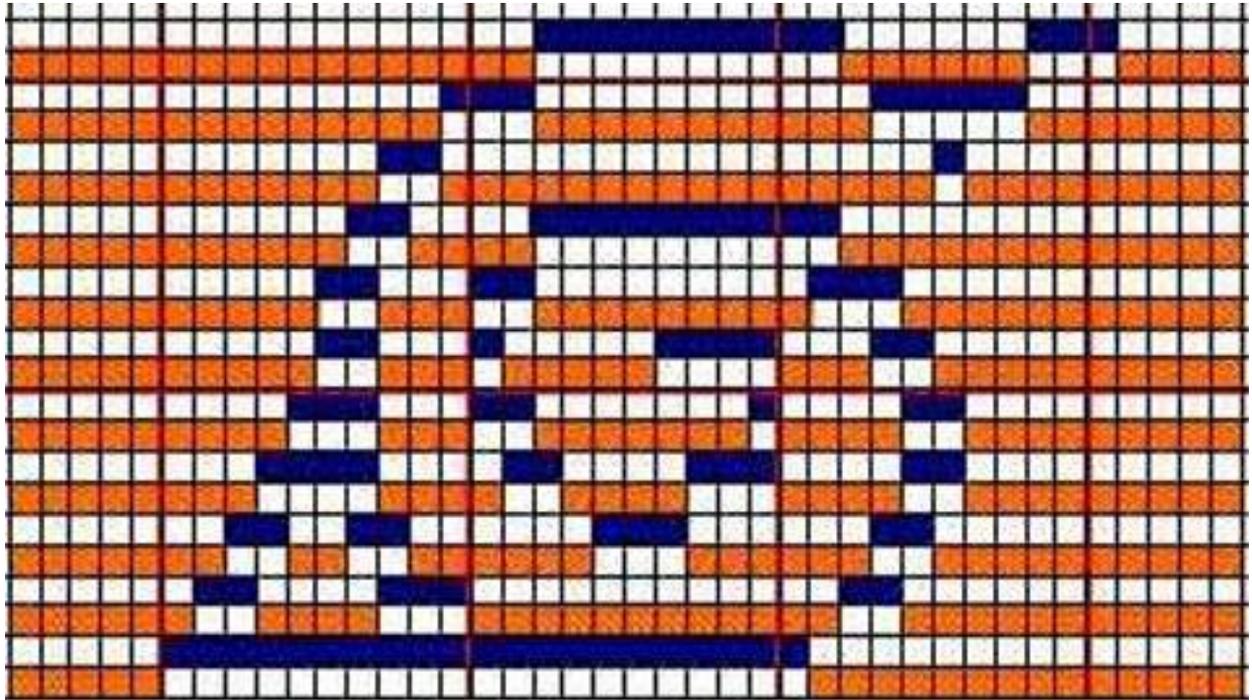
Row 40 - P14, k3, p11, k5, p7

Row 42 - K17, p10, k6, p3, k4

Row 44 - P17, k10, p6, k3, p4

Illusion knitting - charted

Knit all right side rows. These are not on the chart. Only wrong side rows are charted. Read chart from left to right. Coloured squares represent knit stitches, white ones – purl stitches. Rows are coloured into two colours as you will switch yarn every two rows.



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