



**Free Crochet Pattern**  
**Lion Brand® Fun Fur® - Lion® Suede - Vanna's Choice® - Homespun®**  
**Hyperbolic Crochet Motifs**  
Pattern Number: c-hyperbolic



Create your own coral or other nature-inspired shapes using hyperbolic planes.

# Free Crochet Pattern from Lion Brand Yarn

## Lion Brand® Fun Fur® - Lion® Suede - Vanna's Choice® - Homespun®

### Hyperbolic Crochet Motifs

Pattern Number: c-hyperbolic

**SKILL LEVEL:** Intermediate (Level 3)

**SIZE:** One Size

As desired. Our pieces measure about 4-8 in. (10-20.5 cm)

**CORRECTIONS:** None as of Oct 3, 2016. To check for later updates, click [here](#).

#### MATERIALS

- 320-124 Lion Brand Fun Fur Yarn: Champagne
  - 1 Ball Used in Items A and M
- 210-098 Lion Brand Lion Suede Yarn: Ecrú
  - 1 Ball Used in items A, B, and D
- 860-099 Lion Brand Vanna's Choice Yarn: Linen
  - 1 Ball Used it in items A and E
- 210-123 Lion Brand Lion Suede Yarn: Taupe
  - 1 Ball Used in items C, M and as edging on item N
- 210-125 Lion Brand Lion Suede Yarn: Mocha
  - 1 Ball Used in item F
- 790-311 Lion Brand Homespun Yarn: Rococo
  - 1 Ball Used it items G, H, J
- 790-309 Lion Brand Homespun Yarn: Deco
  - 1 Ball Used in items K, L and N
- Lion Brand Crochet Hook - Size K-10.5 (6.5 mm)
- Lion Brand Crochet Hook - Size J-10 (6 mm)

*\*Fun Fur (Article #320). 100% Polyester; package size: **Solids:** 1.75 oz/50g; 64 yd/58m balls  
**Prints:** 1.5 oz/40g; 57 yd/52m balls  
**Exotics:** 1.75 oz/50g; 55 yd/50m balls (**Note:** Exotics shades are lay flat to dry)*



*\*Lion® Suede (Article #210). 100% Polyester; package size: **Solids:** 3.00 oz./85g; 122 yd/110m balls  
**Prints:** 3:00 oz/85g; 111 yd/100m balls*



*\*Vanna's Choice® (Article #860). 100% Premium Acrylic **400, 401, 403:** 92% Acrylic, 8% Rayon  
**402:** 96% Acrylic, 4% Rayon; package size: **Solids:** 3.5 oz (100 g), 170 yards (156 m)  
**Prints, Tweeds, & Heathers:** 3 ozs (85 g) , 145 yards (133 meters)  
**Twists:** 2.5 oz (70 g), 121 yards (111 meters)*



*\*Homespun® (Article #790). 98% Acrylic, 2% Polyester; package size: 6.00oz/170.00 gr. (185yds/169m) pull skeins*



#### GAUGE:

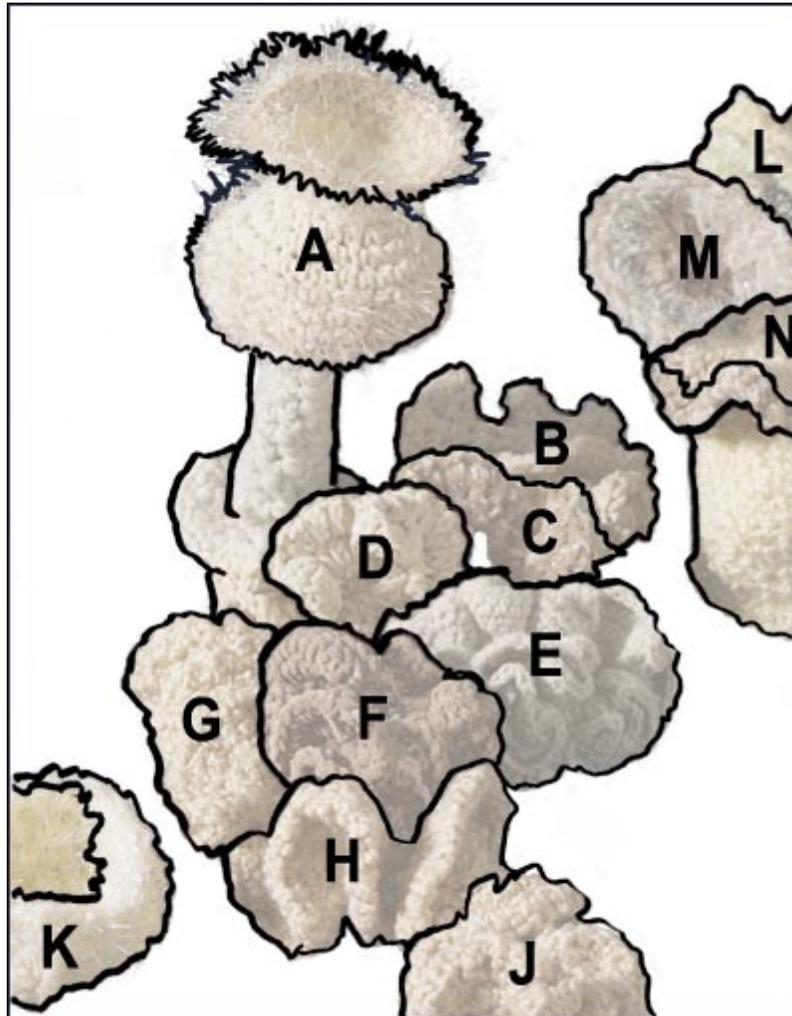
Exact gauge is not essential to this project.

#### NOTES:

Hyperbolic Crochet is the name given to applying a mathematical principle to crochet patterns. A hyperbolic plane expands exponentially from any point on its surface, always curving away from itself. You can easily crochet a hyperbolic surface by increasing at a constant rate throughout the piece.

Hyperbolic growth in nature gives rise to the ruffled shapes of coral, kelp, and sea anemone. Crocheting coral forms is a great opportunity to try different yarns and stitches, and is just one example of the types of project that hyperbolic motifs may inspire you to do.

The Institute for Figuring created the concept of the Coral Reef with hyperbolic crochet and have been developing this concept since 2005. More information about the project may be seen on their website [www.theiff.org](http://www.theiff.org)



**Item A**

Top: 210-098 Lion Suede: Ecu

Top: 320-124 Fun Fur: Champagne

Base: 860-099 Vanna's Choice: Linen - 2 strands held together

**Item B**

210-098 Lion Suede: Ecu

**Item C**

210-123 Lion Suede: Taupe

**Item D**

210-098 Lion Suede: Ecu

**Item E**

860-099 Vanna's Choice: Linen

**Item F**

210-125 Lion Suede: Mocha

**Item G**

790-311 Homespun®: Rococo

**Item H**

790-311 Homespun®: Rococo

**Item J**

790-311 Homespun®: Rococo

**Item K**

790-309 Homespun®: Deco

320-098 Fun Fur

**Item L**

790-309 Homespun®: Deco

**Item M**

320-124 Fun Fur: Champagne

210-123 Lion Suede: Taupe

**Item N**

790-309 Homespun®: Deco

Edging: 210-123 Lion Suede: Taupe

**GENERAL DIRECTIONS**

All pieces shown above were made following four easy patterns, spelled out below. Any basic crochet stitch – single, half double, double, or triple – can be used in the patterns. Feel free to alternate stitches within a pattern – to change yarns as it strikes your fancy. Try using different hook sizes to achieve different looks. Work with a single strand of yarn or a combination of yarns worked together with a large hook.

**RUFFLE**

Make a chain to any length. Crochet any stitch (single, half double, double or triple) back along chain – working 2 or more stitches in each chain.

Turn work at the end of the row. Make more rows as desired, changing yarns and stitches as desired, and working increased stitches (by working 2 or more stitches in the same place) as desired to shape piece.

**CIRCLE**

Chain about 4. Join chain with a slip stitch to form a ring. Work stitch of choice into the ring until it's filled up. Join your last stitch to the first stitch with a slip stitch. End off, or make more rounds as desired. Make increases on subsequent rounds to shape piece.

**CYLINDER**

Make a chain to any length. Join chain with a slip stitch to form a ring. Work a stitch into each chain, join your last stitch to the first with a slip stitch. Continue to work in rounds, changing stitches and yarns as desired. You can alter the shape of the cylinder by occasionally working an increase (making 2 or more stitches into the same stitch) or a decrease (working 1 or more less stitches on a round).

**CORKSCREW**

Make a chain to any length. Crochet any stitch (single, half double, double or triple) back along chain – working 2 or more sts in each chain to make it curl. When you reach beginning of chain, chain again to same or a different length and repeat to make additional corkscrews.

Learn to crochet instructions: <http://www.lionbrand.com/learn/how-to-crochet>

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Every effort has been made to have the knitting and crochet instructions accurate and complete. We cannot be responsible for variance of individual knitters and crocheters, human errors, or typographical mistakes.

We want your project to be a success! If you need help with this or any other Lion Brand pattern, e-mail support is available 7 days per week. Just click [here](#) to explain your problem and someone will help you!

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