

THE PI SHAWL

The Basic Pattern

CO 9 sts, join in the round.

Knit 1 round.

Increase round: (Yo, k1) around. 18 sts.

Knit 3 rounds.

Increase round: (Yo, k1) around. 36 sts.

Knit 6 rounds.

Increase round: (Yo, k1) around. 72 sts.

Knit 12 rounds.

Increase round: (Yo, k1) around. 144 sts.

Knit 24 rounds.

Increase round: (Yo, k1) around. 288 sts.

Knit 48 rounds.

Increase round: (Yo, k1) around. 576 sts.

Knit up to 96 rounds.

Work a border or a stretchy BO.

Applying a Pattern Stitch

| Tier - # Sts | Rounds | Multiples for Patterns |
|--------------|--------|------------------------|
| 36 | 6 | 2, 3, 4, 6, 9, 12, 18 |
| 72 | 12 | ... 8, 24, 36 |
| 144 | 24 | ... 72 |
| 288 | 48 | ... 144 |
| 576 | 96 | ... 288 |

There is room for adjustment!... if you need to change the number of sts or rounds by one or two either way, you can.

Yarns and Needles

Yardage: Minimum 800yds required for a full Pi; 350+ for a half.

Use needles several sizes larger than recommended for the yarn:

Lace weight: 3.5-4mm; Fingering weight: 3.5-5mm; Sport/DK weight: 4-5.5mm; Worsted/Aran: 5-6.5mm

Needle management: Start on DPNs/Magic Loop, and move to progressively larger circular needles as the shawl grows.

The Start

The Standard Method:

A conventional CO and joining for the round works well, but can leave a small hole.

Crochet Magic Ring, a.k.a. Emily Ocker's Circular Beginning:

Use a crochet hook to work the required number of single crochet sts around a loop of yarn. After a couple of rounds, you can pull it tight to close it up.



<https://www.interweave.com/article/knitting/emily-ockers-circular-cast-on/>

Borders, Edgings and Binding Off

A standard BO will not work.

The Russian Lace BO:

Quick, easy, stretchy. Looks most like a conventional BO.

K1, *k1, insert the tip of the left needle into the fronts of these two sts and knit them together; rep from * until all sts are bound off.

The Crochet BO:

Creates an edge of open loops from groups of sts, no “bind off” at all.

Use a crochet hook in a size similar to your knitting needles.

Slip first 3 sts to your crochet hook. With hook, pull yarn through those sts to form a single loop on your hook.

*Chain 5. Slip 3 sts to your crochet hook, and pull yarn through those sts *and* the loop of the chain to form a single loop on your hook. Rep from * until all sts have been removed from the knitting needle. Chain 5, and work a sl st to secure chain to first group of finished sts. Cut yarn and pull through to finish.

A Basic Border:

Worked perpendicularly to the direction of knitting, a knitted-on border eliminates a hard bound-off edge.

Cast on a number of stitches, e.g. 5-10, using the “knitting on” method.

Row 1 (RS): K until 1 CO st rem, ssk. Turn. (The decrease ‘uses up’ one of the shawl sts.)

Row 2 (WS): Sl 1, k to end.

Repeat rows 1 & 2 until all shawl sts have been decreased away. All that rem is the sts you CO. If you used a provisional CO, leave sts live on needle and graft to provisional CO sts. If you used the backwards loop method, bind off loosely and seam the CO and BO edges together

The Half Pi

Garner tab start: using the backwards loop method, CO 3 sts. Knit 8 rows.

Next row (RS): K3, pick up and knit 4 sts along edge of garner strip, pick up 3 sts in CO edge. 10 sts.

Following row (WS): K3, p to last 3 sts, k3.

Next row, increase (RS): K3, (yo, k1) 4 times, yo, k3. 15 sts.

Work 3 rows even.

Next row, increase (RS): K3, (yo, k1) to last 3 sts, yo, k3. 25 sts.

Work 5 rows even.

Next row, increase (RS): K3, (yo, k1) to last 4 sts, yo, k2tog, k2. 43 sts.

Work 11 rows even.

Next row, increase (RS): K3, (yo, k1) to last 4 sts, yo, k2tog, k2. 79 sts.

Work 23 rows even.

Next row, increase (RS): K3, (yo, k1) to last 4 sts, yo, k2tog, k2. 151 sts.

Work 47 rows even.

Next row, increase (RS): K3, (yo, k1) to last 4 sts, yo, k2tog, k2. 295 sts.

Work up to 95 rows even.

Work a border or stretchy BO.

THE SICK DAY HALF PI

MATERIALS

400-500m worsted, aran or chunky weight yarn, e.g. 2 skeins Cascade 220, 1 skein Cascade Eco Wool.

5.5mm-6mm needles – whichever size you have on hand; a longer circular is easiest, but straights will do in a pinch.

A needle 2-3 sizes larger, for binding off.

Sample used 2 skeins Briggs & Little Regal (est 425yds) aran weight, on 5.5mm needles.

SIZE & MEASUREMENTS

Sample worked at gauge below measures 58 inches across, 29 inches deep.

GAUGE

16 sts and 20 rows = approximately 4 inches in stockinette st, after blocking
Gauge isn't critical, as long as you like the fabric. Working at a tighter gauge will result in a smaller piece.

PATTERN NOTES & GLOSSARY

Backwards loop cast on method: Make a backwards (e-wrap) loop and place it on the right-hand needle.

M1: Use the backwards loop method to CO 1 st onto the right-hand needle.

METHOD

Garner tab start:

Using the backwards loop method, CO 3 sts. Knit 8 rows.

Row 1 (RS): K3, pick up and knit 4 sts along edge of garter strip, pick up 3 sts in CO edge. 10 sts.

Row 2 (WS): K3, p to last 3 sts, k3.

Row 3 (RS): K3, (m1, k1) 4 times, m1, k3. 15 sts.

Row 4 (WS): K3, p to last 3 sts, k3.

Row 5 (RS): Knit.

Row 6 (WS): Knit..

Row 7 (RS): K3, (yo, k1) to last 3 sts, yo, k3. 25 sts.

Row 8 (WS): Knit.

Row 9 (RS): Knit.

Row 10 (WS): K3, p to last 3 sts, k3.

Row 11 (RS): Knit.

Row 12 (WS): Knit.

Row 25, increase (RS): K3, (yo, k1) to last 4 sts, yo, k2tog, k2. 79 sts.

Work Rows 14-19 3 times, then work rows 20-24.

Next row, increase (RS): K3, (yo, k1) to last 4 sts, yo, k2tog, k2. 151 sts.

Work Rows 14-19 7 times, then work rows 20-24.

Next row, increase (RS): K3, (yo, k1) to last 4 sts, yo, k2tog, k2. 295 sts.

Work Rows 14-19 as many times as you want, or until you're almost out of yarn.

(Note: If you've got huge quantities of yarn and time, end after the 15th repeat of Row 19. If this is the case, you'll need to use a Russian Lace BO on the working needles, rather than the conventional BO with the larger needle.)

Knit 4 rows.

Using a larger needle in your right hand, BO knitwise.



THE EZ EYELET VERSION



CO 9 sts, join in the round.

Knit 1 round.

Increase round: (Yo, k1) around. 18 sts.

Knit 3 rounds.

Increase round: (Yo, k1) around. 36 sts.

Knit 6 rounds.

Increase round: (Yo, k1) around. 72 sts.

Knit 6 rounds.

Eyelet round: (Yo, k2tog) around.

Knit 6 rounds.

Increase round: (Yo, k1) around. 144 sts.

[Knit 6 rounds. *Eyelet round:* (Yo, k2tog) around] 3 times.

Knit 6 rounds.

Increase round: (Yo, k1) around. 288 sts.

[Knit 6 rounds. *Eyelet round:* (Yo, k2tog) around] 6 times.

Knit 6 rounds.

Increase round: (Yo, k1) around. 576 sts.

[Knit 6 rounds. *Eyelet round:* (Yo, k2tog) around] 13 times.

Knit 6 rounds.

Work a border.

Block.

Garter border:

At end of last round, CO 15 sts using the “knitting on” method.

Row 1 (RS): K14, ssk, turn. (The decrease uses up one of the shawl sts.)

Row 2 (WS): Sl 1, k14, turn.

Repeat rows 1 & 2 until all shawl sts have been decreased away. 15 sts rem. If you used a provisional CO, leave sts live on needle and graft to provisional CO sts. If you used the backwards loop method, bind off loosely and seam the CO and BO edges together.

The sample:

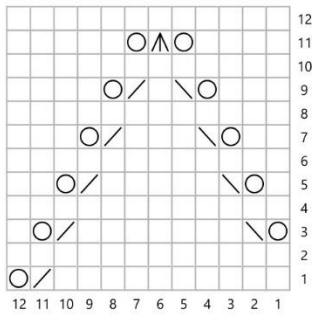
Sample used 1.5 skeins Juniper Moon Findley Lace weight – approx. 1200yds laceweight on 4.5mm needles. Finished piece was worked until there were 49 rounds in the 576-stitch tier, and measures 48 inches across.



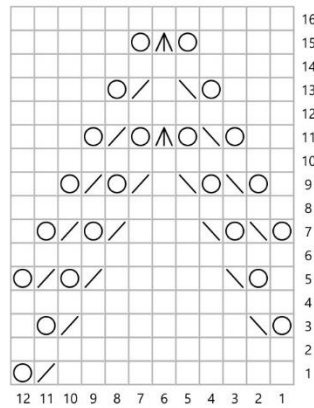
STITCH PATTERNS

Chevron Repeats

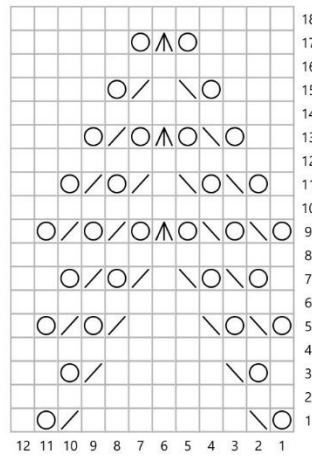
Simple Chevron



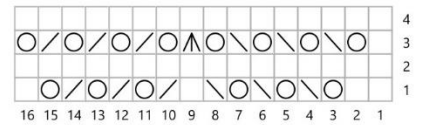
Doubled



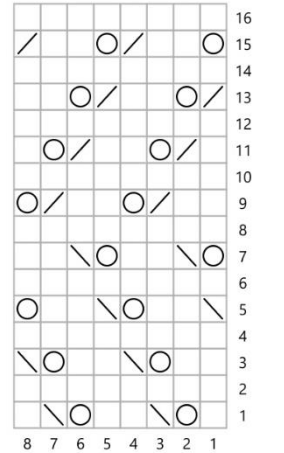
Tripled



Tightly Nested

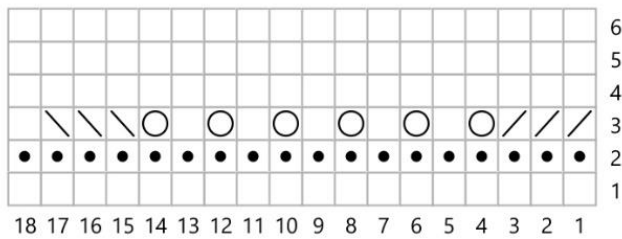


Zigzags

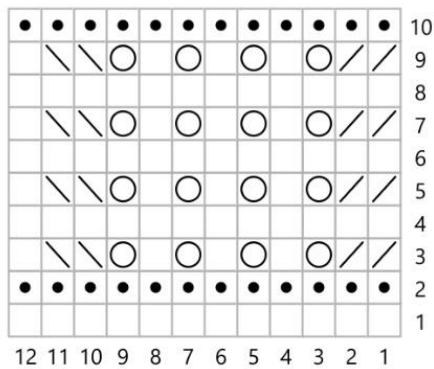


Classic Shetland Patterns

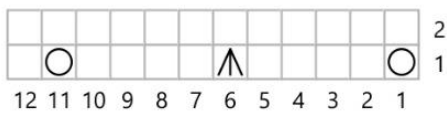
Feather and Fan - 18-st repeat



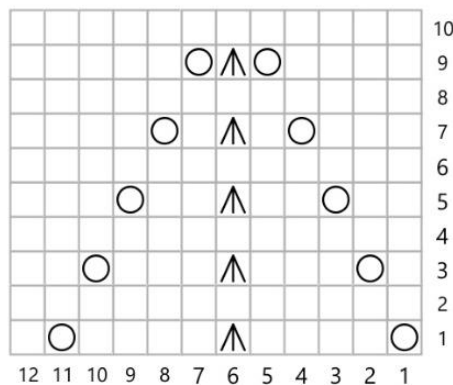
Crest of the Wave - 12-st repeat



Razor Shell - 12 st repeat



Horseshoe - 12-st repeat

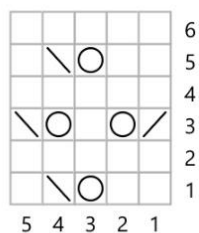


Key

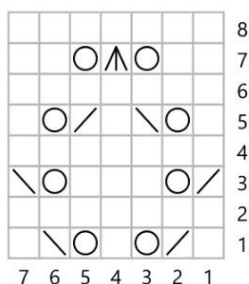
| | |
|--|------------------------|
| | knit |
| | purl |
| | yo |
| | k2tog |
| | ssk |
| | sl1, k2tog, pssso |
| | CDD: sl2tog, k1, p2sso |

Leaf and Flower Motifs

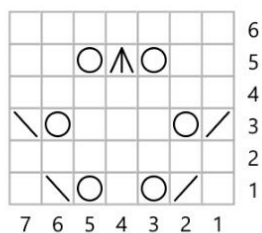
Quatrefoil Eyelet



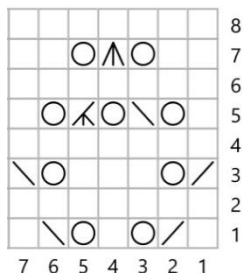
Larger Flower



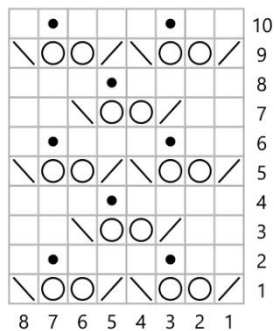
Cat's Paw



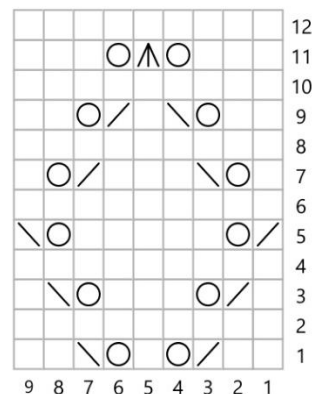
Rosebud



Eyelet Flower

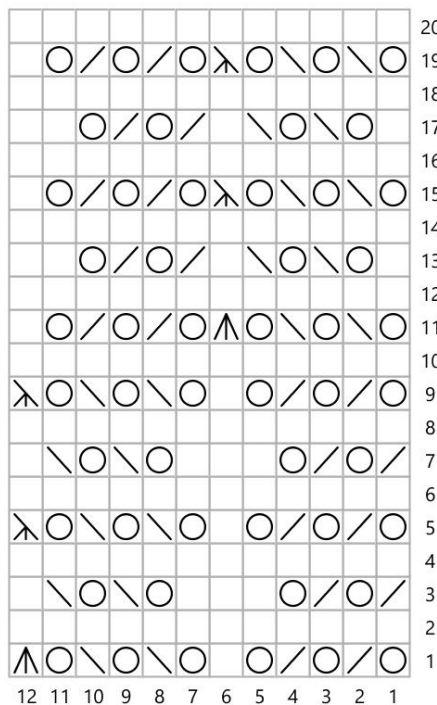


Leaf Motif

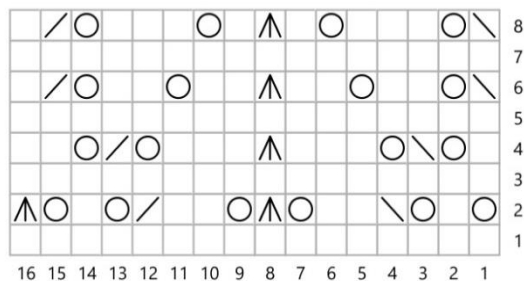


Miscellaneous Repeats

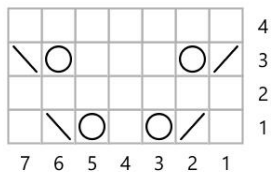
Diamond Mesh



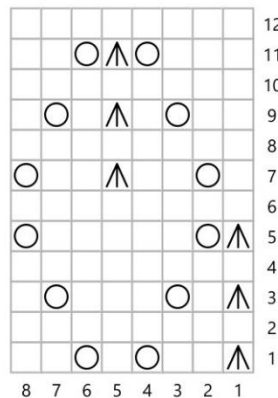
Fountain



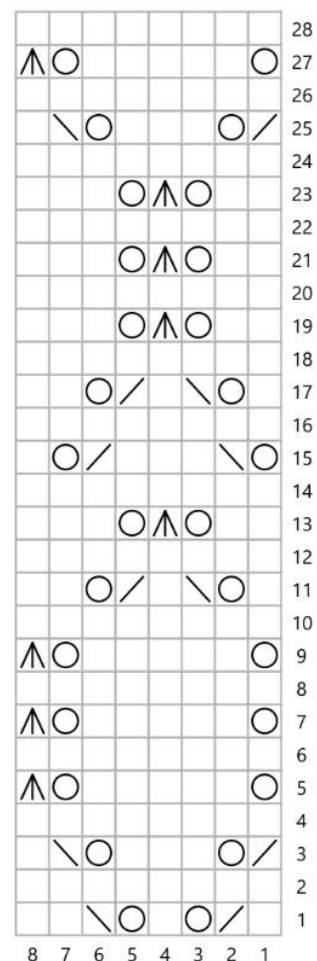
Wings of the Gull



Leaf Repeat



Cogwheel Eyelets



Borders and Edgings

To work these types of edgings, CO the required number of stitches at the start of the round. Use the backwards loop or provisional methods.

The decrease at end of RS rows is worked over the last edging stitch and the next live stitch of the shawl, 'binding off' a stitch of the actual shawl.

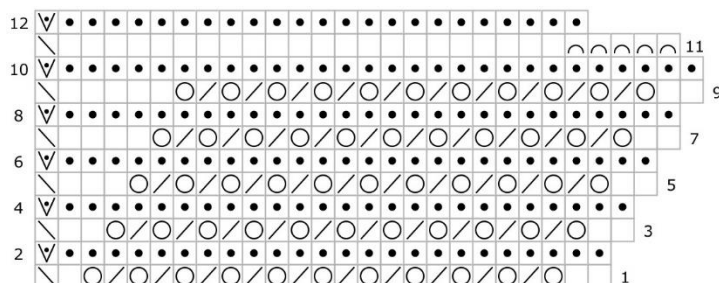
Each edging repeat binds off stitches corresponding to away half the number of rows –e.g. a 12-row edging binds off 6 stitches every repeat. If required, work the occasional ssk (double decrease) to accommodate the stitch count on the shawl.

When you've worked all the way around, join the final row of the edging to the CO stitches by sewing/grafting/3-needle BO.

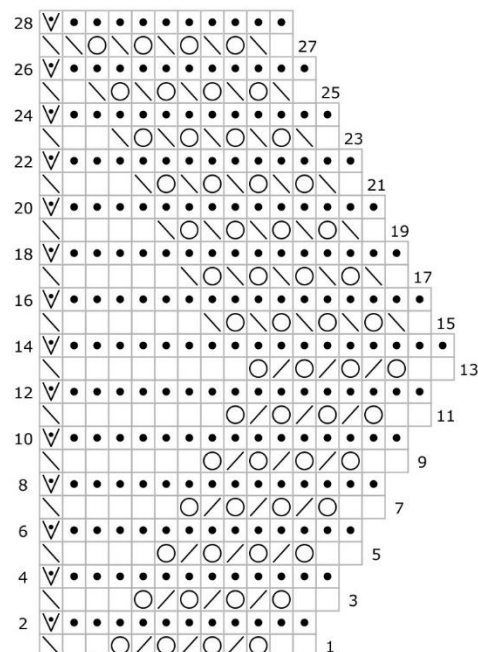
Key

- ☐ RS: knit
WS: purl
- ☒ RS: purl
WS: knit
- ☒ slip purlwise
with yarn in front
- ☐ yo
- ☒ RS & WS: kfb
- ☒ RS & WS: k2tog
- ☒ RS: ssk
- ☒ CDD: slip 2 tog, k1, p2sso
- ☒ bind off

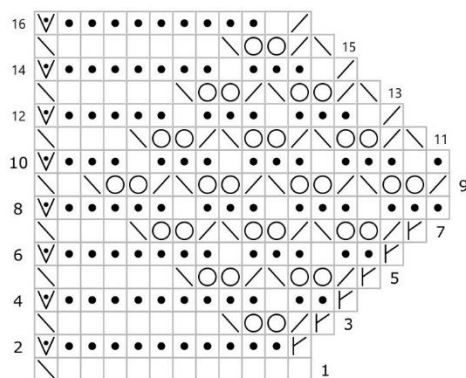
The Godmother's Edging - CO 24



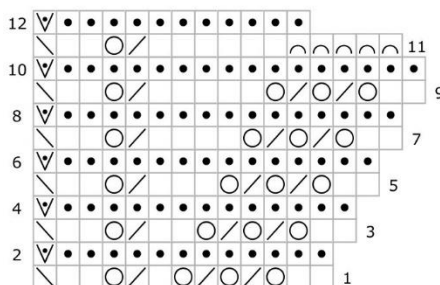
Vandyke - CO 11



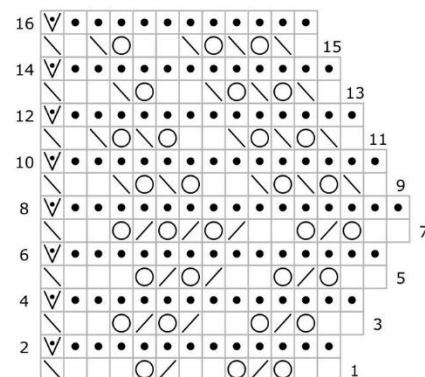
Drops - CO 12



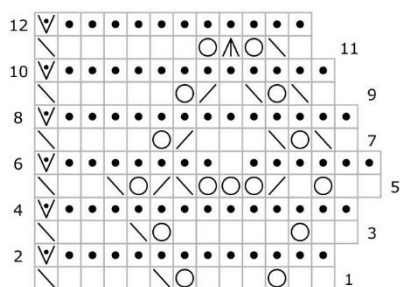
Brand Iron - CO 12



Wave - CO 12



Irish (Elaine) - CO 13



DESIGN-YOUR-OWN PI SHAWL WORKSHEET

The Basic Pattern

| Tier - # Sts | Rounds | Multiples for Patterns |
|--------------|--------|------------------------|
| 36 | 6 + 1 | 2, 3, 4, 6, 9, 12, 18 |
| 72 | 12 + 1 | ... 8, 24, 36 |
| 144 | 24 + 1 | ... 72 |
| 288 | 48 + 1 | ... 144 |
| 576 | 96 + 1 | ... 288 |

36-stitch Tier

Pattern: _____ sts & _____ rnds

Stitches

$$36 \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Adjust stitch count?

Rounds

$$6 \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Adjust round count?

72-stitch Tier

Pattern: _____ sts & _____ rnds

Stitches

$$72 \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Adjust stitch count?

Rounds

$$6 \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Adjust round count?

144-stitch Tier

Pattern: _____ sts & _____ rnds

Stitches

$$144 \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Adjust stitch count?

Rounds

$$6 \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Adjust round count?

288-stitch Tier

Pattern: _____ sts & _____ rnds

Stitches

$$288 \div \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

Adjust stitch count?

ounds

$$6 \div \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

Adjust round count?

576-stitch Tier

Pattern: _____ sts & _____ rnds

Stitches

$$576 \div \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

Adjust stitch count?

Rounds

$$6 \div \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

Adjust round count?

Notes