

MATHEMATICAL! SHAWL



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SIZES AND YARDAGE:

One size, but the pattern may easily be modified by adding or subtracting sections.

YARN:

Fingering weight.

Suggested yarn:

Camellia Fiber Co. Sylvan Fingering.
Sample is knit in the colorways
Ochre and Terra Cotta.

C1: 260 yards

C2: 260 yards

If using stash yarns, consider the fiber content and ply of your yarns.

A plumper fingering weight yarn will result in a squishier shawl, while a sleeker yarn will result in a drapier fabric.

This pattern is designed to suit a wide variety of yarns, whether it be hand-spun or big box acrylic.

It all depends on your personal preference and what you envision for the finished project!

NOTIONS AND TOOLS:

Circular needles in size US 6 (4.0mm)

Set of larger needles in size US 8 (5.00mm), adjustable, for tassels

Optional stitch markers to keep track of pattern repeats

Tapestry needle for weaving in ends

GAUGE:

20 stitches and 34 rows after blocking = 4 inches in garter stitch, knit flat.

DIFFICULTY:

Beginner friendly.

NOTE ABOUT THE PATTERN:

This pattern features repeating knit and purl rows.

While instructions have been provided for each knit and purl row,

if you've got them memorized, you can just look at the name of the row you are on.



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ABBREVIATIONS:

st / sts : Stitch / stitches.

K : Knit.

Sl x kw wyif : Slip x number of stitches knit-wise with yarn held in front.

Kfb : Knit in front and back of stitch, 1 stitch increased.

K2tog : Knit two sts together, 1 st decreased.

YO : Yarn over, 1 stitch increased.

[] : Repeat the stitches between brackets.



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INSTRUCTIONS:

Using C1, cast on 4 sts.

Knit row : K1, kfb, k to 2, k2tog.

Sl 1 kw wyif, k to 2, kfb, sl 1 kw wyif.

Repeat these 2 rows until you have 18 sts on your needles.

Cut C1, attach C2.

Knit row : K1, kfb, k to 2, k2tog.

Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (19 sts)

YO row : K1, kfb, k2, [yo, k2tog, k2] to 3, k1, k2tog.

Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (20 sts)

Knit row : K1, kfb, k to 2, k2tog.

Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (21 sts)

You now have 21 sts on your needles.

Cut C2, attach C1.

Knit row : K1, kfb, k to 2, k2tog.

Sl 1 kw wyif, k to 2, kfb, sl 1 kw wyif.

Repeat these 2 rows until you have 30 sts on your needles.

Cut C1, attach C2.

Knit row : K1, kfb, k to 2, k2tog.

Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (31 sts)

YO row : K1, kfb, k2, [yo, k2tog, k2] to 3, k1, k2tog.

Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (32 sts)

Knit row : K1, kfb, k to 2, k2tog.

Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (33 sts)

YO row : K1, kfb, k3, [yo, k2tog, k2] to 4, yo, k2tog, k2tog.

Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (34 sts)

You now have 34 sts on your needles.

Cut C2, attach C1.

Knit row : K1, kfb, k to 2, k2tog.

Sl 1 kw wyif, k to 2, kfb, sl 1 kw wyif.

Repeat these 2 rows until you have 54 sts on your needles.

Cut C1, attach C2.

Knit row : K1, kfb, k to 2, k2tog.

Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (55 sts)

YO row : K1 kfb, k2, [yo, k2tog, k2] to 3, k1, k2tog.

Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (56 sts)

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Knit row : K1, kfb, k to 2, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (57 sts)
YO row : K1, kfb, k3, [yo, k2tog, k2] to 4, yo, k2tog, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (58 sts)

Knit row : K1, kfb, k to 2, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (59 sts)
YO row : K1, kfb, [yo, k2tog, k2] to 5, yo, k2tog, k1, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (60 sts)

Knit row : K1, kfb, k to 2, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (61 sts)
YO row : K1, kfb, k1, [yo, k2tog, k2] to 2, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (62 sts)
You now have 62 sts on your needles.

Cut C2, attach C1.

K1, kfb, k to 2, k2tog.
Sl 1 kw wyif, k to 2, kfb, sl 1 kw wyif.
Repeat these 2 rows until you have 102 sts on your needles.

Cut C1, attach C2.

Knit row : K1, kfb, k to 2, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (103 sts)
YO row : K1, kfb, k2, [yo, k2tog, k2] to 3, k1, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (104 sts)

Knit row : K1, kfb, k to 2, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (105 sts)
YO row : K1, kfb, k3, [yo, k2tog, k2] to 4, yo, k2tog, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (106 sts)

Knit row : K1, kfb, k to 2, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (107 sts)
YO row : K1, kfb, [yo, k2tog, k2] to 5, yo, k2tog, k1, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (108 sts)

Knit row : K1, kfb, k to 2, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (109 sts)
YO row : K1, kfb, k1, [yo, k2tog, k2] to 2, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif.

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Knit row : K1, kfb, k to 2, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (111 sts)

Attach C1.
With C1, k1, kfb, k to 2, k2tog.
Sl 1 kw wyif kw, k to 2, kfb, sl 1 kw wyif. (112 sts)
Cut C1.

Knit row : With C2, k1, kfb, k to 2, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (113 sts)
YO row : K1, kfb, k3, [yo, k2tog, k2] to 4, yo, k2tog, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (114 sts)

Knit row : K1, kfb, k to 2, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (115 sts)
YO row : K1, kfb, [yo, k2tog, k2] to 5, yo, k2tog, k1, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (116 sts)

Knit row : K1, kfb, k to 2, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (117 sts)
YO row : K1, kfb, k1, [yo, k2tog, k2] to 2, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (118 sts)

Knit row : K1, kfb, k to 2, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (119 sts)
YO row : K1, kfb, k2, [yo, k2tog, k2] to 3, k1, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (120 sts)

Knit row : K1, kfb, k to 2, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (121 sts)

Attach C1.
With C1, k1, kfb, k to 2, k2tog.
Sl 1 kw wyif, k to 2, kfb, sl 1 kw wyif. (122 sts)
With C2, k1, kfb, k to 2, k2tog.
Sl 1 kw wyif, k to 2, kfb, sl 1 kw wyif. (123 sts)
With C1, k1, kfb, k to 2, k2tog.
Sl 1 kw wyif, k to 2, kfb, sl 1 kw wyif. (124 sts)
Cut C1.

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Knit row : With C2, k1, kfb, k to 2, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (125 sts)
YO row : K1, kfb, k1, [yo, k2tog, k2] to 2, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (126 sts)

Knit row : K1, kfb, k to 2, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (127 sts)
YO row : K1, kfb, k2, [yo, k2tog, k2] to 3, k1, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (128 sts)

Knit row : K1, kfb, k to 2, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (129 sts)
YO row : K1, kfb, k3, [yo, k2tog, k2] to 4, yo, k2tog, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (130 sts)

Knit row : K1, kfb, k to 2, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (131 sts)
YO row : K1, kfb, [yo, k2tog, k2] to 5, yo, k2tog, k1, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (132 sts)

Knit row : K1, kfb, k to 2, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (133 sts)

Attach C1.

With C1, k1, kfb, k to 2, k2tog.
Sl 1 kw wyif, k to 2, kfb, sl 1 kw wyif. (134 sts)
With C2, k1, kfb, k to 2, k2tog.
Sl 1 kw wyif, k to 2, kfb, sl 1 kw wyif. (135 sts)
With C1, k1, kfb, k to 2, k2tog.
Sl 1 kw wyif, k to 2, kfb, sl 1 kw wyif. (136 sts)
With C2, k1, kfb, k to 2, k2tog.
Sl 1 kw wyif, k to 2, kfb, sl 1 kw wyif. (137 sts)
With C1, k1, kfb, k to 2, k2tog.
Sl 1 kw wyif, k to 2, kfb, sl 1 kw wyif. (138 sts)
With C2, k1, kfb, k to 2, k2tog.
Sl 1 kw wyif, k to 2, kfb, sl 1 kw wyif. (139 sts)
With C1, k1, kfb, k to 2, k2tog.
Sl 1 kw wyif, k to 2, kfb, sl 1 kw wyif. (140 sts)
Cut C1.

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Knit row : With C2, k1, kfb, k to 2, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (141 sts)
YO row : K1, kfb, k3, [yo, k2tog, k2] to 4, yo, k2tog, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (142 sts)

Knit row : K1, kfb, k to 2, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (143 sts)
YO row : K1, kfb, [yo, k2tog, k2] to 5, yo, k2tog, k1, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (144 sts)

Knit row : K1, kfb, k to 2, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (145 sts)
YO row : K1, kfb, k1, [yo, k2tog, k2] to 2, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (146 sts)

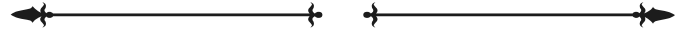
Knit row : K1, kfb, k to 2, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (147 sts)
YO row : K1, kfb, k2, [yo, k2tog, k2] to 3, k1, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (148 sts)

Knit row : K1, kfb, k to 2, k2tog.
Purl row : Sl 1 kw wyif, k1, p to 2, kfb, sl 1 kw wyif. (149 sts)

Attach C1.

With C1, k1, kfb, k to 2, k2tog.
Sl 1 kw wyif, k to 2, kfb, sl 1 kw wyif. (150 sts)
With C2, k1, kfb, k to 2, k2tog.
Sl 1 kw wyif, k to 2, kfb, sl 1 kw wyif. (151 sts)
With C1, k1, kfb, k to 2, k2tog.
Sl 1 kw wyif, k to 2, kfb, sl 1 kw wyif. (152 sts)
With C2, k1, kfb, k to 2, k2tog.
Sl 1 kw wyif, k to 2, kfb, sl 1 kw wyif. (153 sts)
With C1, k1, kfb, k to 2, k2tog.
Sl 1 kw wyif, k to 2, kfb, sl 1 kw wyif. (154 sts)
With C2, k1, kfb, k to 2, k2tog.
Sl 1 kw wyif, k to 2, kfb, sl 1 kw wyif. (155 sts)
With C1, k1, kfb, k to 2, k2tog.
Sl 1 kw wyif, k to 2, kfb, sl 1 kw wyif. (156 sts)
With C2, k1, kfb, k to 2, k2tog.
Sl 1 kw wyif, k to 2, kfb, sl 1 kw wyif. (157 sts)
With C1, k1, kfb, k to 2, k2tog.
Sl 1 kw wyif, k to 2, kfb, sl 1 kw wyif. (158 sts)
With C2, k1, kfb, k to 2, k2tog.
Sl 1 kw wyif, k to 2, kfb, sl 1 kw wyif. (159 sts)
With C1, k1, kfb, k to 2, k2tog.
Sl 1 kw wyif, k to 2, kfb, sl 1 kw wyif. (160 sts)

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With C2, k1, kfb, k to 2, k2tog.

Sl 1 kw wyif, k to 2, kfb, sl 1 kw wyif. (161 sts)

With C1, k1, kfb, k to 2, k2tog.

Sl 1 kw wyif, k to 2, kfb, sl 1 kw wyif. (162 sts)

With C2, k1, kfb, k to 2, k2tog.

Sl 1 kw wyif, k to 2, kfb, sl 1 kw wyif. (163 sts)

Cut C2.

With C1, k1, kfb, k to 2, k2tog.

Sl 1 kw wyif, k to 2, kfb, sl 1 kw wyif. (164 sts)

Bind off using [Lori's Twisty Bind Off](#), or a similarly stretchy bind off.

After blocking, attach tassels to the finished edge as follows:

Using C2, tapestry needle, and larger set of needles, wind yarn around both needles 6 times, going through the stitch each round.

Secure the loops by going between the two needles with your working yarn 3 or 4 times.

Pull working end of yarn through the loops you just created, pulling the whole thing snug.

Remove larger set of needles. Cut working yarn. Trim tassel.

Repeat for tassels every 4 bind off stitches, alternating between C1 and C2.

You should finish with a final tassel in C2.

Please feel free to contact me for pattern support.
If you like my work, consider tipping me through ko-fi.com/knitboop
Website: <https://www.knitboop.com/>
Instagram: [@knitboop](#)
Feel free to sell completed projects.
However, please do not distribute the pattern without permission.

Many thanks to my test knitters: @bluestardust5787, @diam0ndsparkle, @dknits4sanity, @hobbyknits, @jparker324, @knitsbyan, @mrsdougjemcdoog, @polar_purls, @purlupandread, and @rocknitrty