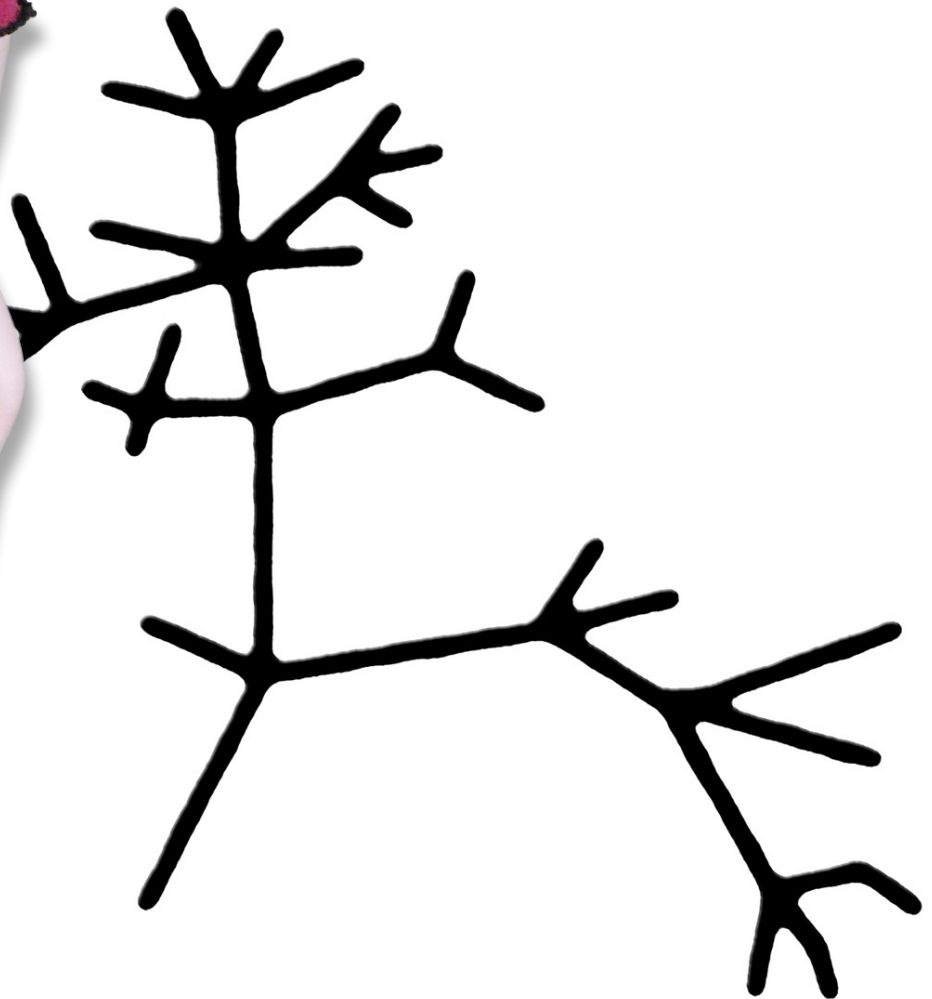


ASSETS OF EVO

By Marnie MacLean



INTRODUCTION

Get your Intelligent Behind into a cute little pair of boy shorts and express your love for rationality, reason, and the man with the plan, Charles Darwin.

These shorts are knit top-down and in the round, so there's almost no finishing. If you want to skip the duplicate stitch motif, you can have these quick little knits on your tuckus in no time at all.

Assets of Evo are worked in a super stretchy yarn called Esprit, made of cotton and elastic. Knit with a bit of negative ease, with the yarn held loosely, these shorts hug the body. Refer to the chart below to find the best fit for your hip measurements.

Throughout the pattern, you'll find notes on customizing the fit. But don't forget, modifications may require extra yarn, so plan accordingly.



SIZES

32 [35, 38, 41, 44, 47, 50]

Size	Fits hips (in)	Fits hips (cm)
32.....	31 - 33.....	77 - 84
35.....	34 - 36.....	85 - 91
38.....	37 - 39.....	93 - 99
41.....	40 - 42.....	100 - 107
44.....	43 - 45.....	108 - 114
47.....	46 - 48.....	116 - 122
50.....	49 - 51.....	123 - 130

This garment is worked with negative ease (approximately 3-5"/8-13cm.) Please use this chart, not the schematic, (on next page,) to determine which size will fit you best. Schematic lists finished garment measurements only.

SUPPLIES

- 2 [3, 3, 3, 4, 4, 5] balls of Elann Esprit (98.3% Cotton/1.7% Elastic – 91m/100 yds per 50g ball) in Main Color, "Wine" 3794
- 1 ball of Elann Esprit (98.3% Cotton/1.7% Elastic – 91m/100 yds per 50g ball) in Contrasting Color, "Deep Black" "8990"

Note: Yardage is dependant on tension. As the package states, the ball has almost double the yardage when stretched. If you know that you knit very loosely, you should plan to purchase an extra skein.

- US #5/3.75mm* circular needle. Length should be at least a few in/cm shorter than your waist circumference.
- US #5/3.75mm* circular needles in 16"/40cm length for legs
- Spare circular needle - it should be a smaller size than the one that gives you gauge
- Tapestry needle
- .125"/3mm Ribbon or 0.5"/1cm elastic for waistband
- Stitch markers
- Waste yarn to hold stitches

* Or size to obtain gauge

GAUGE

- 21 sts x 39 rows = 4"/10cm in STst

ABBREVIATIONS

- MC: Main color.
- CC: Contrasting color.
- St(s): Stitch(es).
- K: Knit.
- STst: Stockinette stitch.
- P: Purl.
- Sl: Slip
- YO: Yarn over.
- SSK: Slip slip knit.
- K2tog: Knit two together.
- co: Cast on.
- LIR: Lifted increase right — Lift the stitch below the next stitch to be worked. Knit that lifted stitch then the stitch itself.
- LIL: Lifted increase left — Lift the stitch below the last stitch worked on the right hand needle. Knit the lifted stitch then proceed to the next live stitch.
- Kfb: Knit into front and back of stitch.
- bo: Bind off.
- Pm: Place marker.
- SM: Slip marker.
- W&t: Wrap and turn — Slip next stitch, bring yarn forward (knit row) or back (purl row), slip stitch back to left needle. Bring yarn back (knit row) or forward (purl row), turn work and work back in the other direction.

PATTERN NOTES

Notes and fitting tips will appear throughout the pattern, formatted like this.

Pattern begins at the waistband, which is worked with a provisional cast-on so that it can be closed without any seaming.

Short rows are placed below the waistband in the back to add length to ensure good coverage. You may work more or fewer short rows to suit your shape.

From there, the garment is worked in the round, increasing at the side seams to accommodate the hips. The crotch is worked straight down the middle and then the increases split to form a gusset that will eventually be seamed with either grafting or a three-needle bind-off.

A few more short rows are added to the back to lengthen the garment and the crotch further.

Finally, the legs are worked individually in the round, and completed with a short ruffle and contrasting picot bind-off.

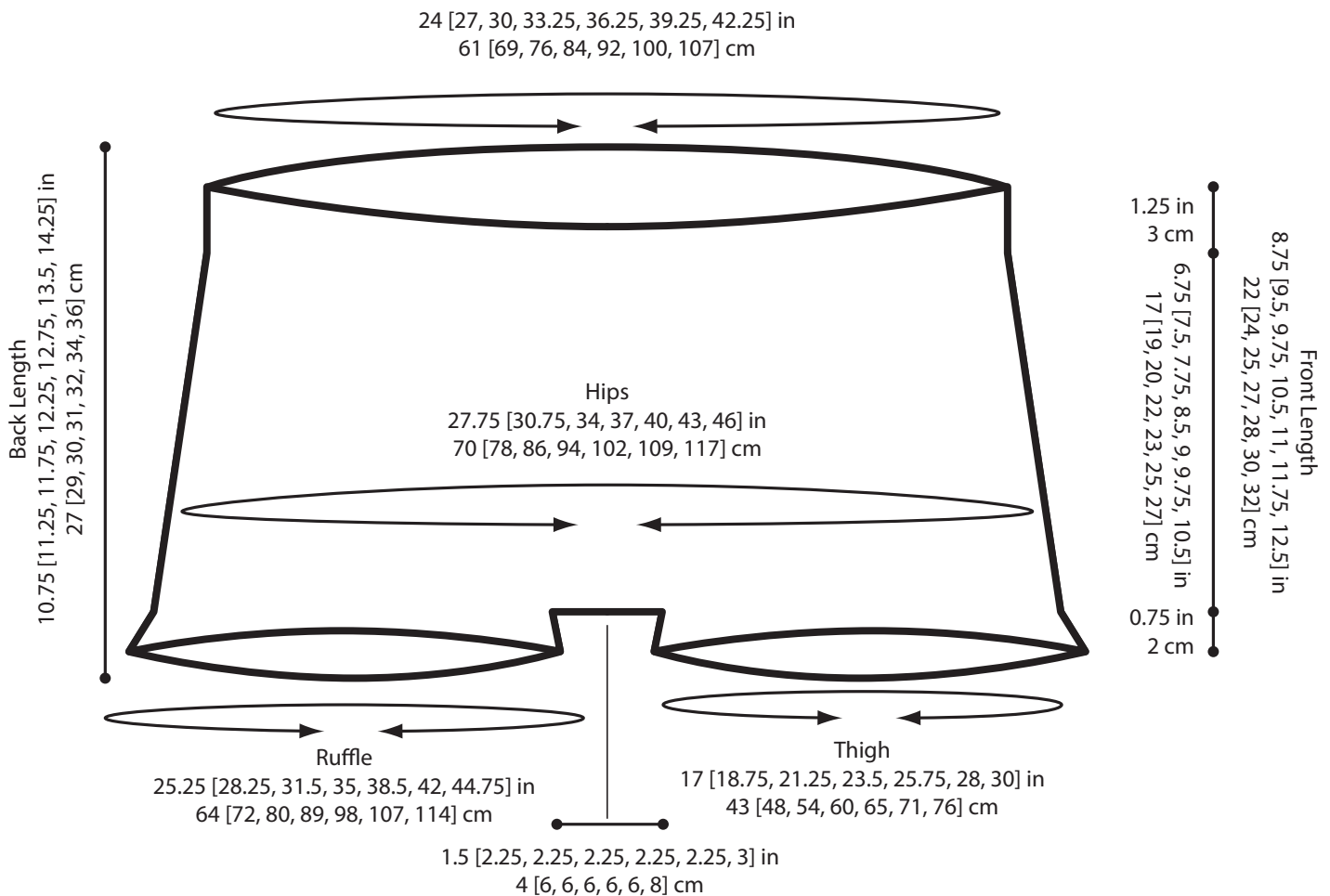
IMPORTANT: Do not hold the yarn too tightly or you'll negate all the built in elasticity. It's fine to have a little tension on the yarn, but be sure you aren't knitting so that the yarn is completely taut. When you complete your swatch and get gauge, your fabric should still have plenty of stretch. If it doesn't, try relaxing a little or don't wrap the yarn so tightly around your finger for tension.

PATTERN

WAISTBAND

Entire garment is worked in STst, unless otherwise stated.

Using a provisional co, co 126 [142, 158, 174, 190, 206, 222] sts in MC. Place a stitch marker 58 [66, 74, 82, 90, 98, 106] sts in from the first st to separate the back from the front. Place a second st marker to indicate end of round.



The front is 10 sts (about 2"/5cm) narrower than the back. If you change gauge or change the number of stitches you co, please adjust the placement of your st marker accordingly.

Round 1: Switch to CC and begin working in the round, being careful not to twist the co edge.

Rounds 2-6: K

Round 7: K 27 [31, 35, 39, 43, 47, 51] sts, yo, ssk, k2tog, yo, knit to end of round. These eyelets will be used for a drawstring ribbon and should be located in the center front of garment. If you prefer to have an enclosed elastic instead, you can just k the whole round.

Eyelets will be on the inside of the garment, allowing you to tuck the ends of your ribbon out of sight. If you feel this will be uncomfortable, you can work the eyelets on round 12 instead.

Rounds 8-9: K

Round 10: *Yo, p2tog* around. This is your turning round.

Round 11: K

Cut CC yarn and join MC yarn.

Rounds 12-19: K

Weave in all ends. Pull out provisional co and place stitches on spare needle. If you plan to add an elastic into the casing, get your elastic and measure it out so that it is snug but not too tight, about 2"/5cm below your natural waist. Sew the elastic ends together and position in place.

Align the first st of the co with the first st of the live round; knit those two stitches together as a single stitch. Repeat this all the way around the waistband. When you are done, you should still have 126 [142, 158, 174, 190, 206, 222] sts, and your casing will be closed and folded along the purled picot edge.

The purl picot round is now considered the first round of the garment. This means your garment currently has 11 rounds total.

SHORT ROWS

Unless otherwise stated, round counts, throughout pattern, do not include short rows.

K to the first stitch marker to complete the front section. You will now work 10 rows, back and forth, using short rows to lengthen the back of the garment.

Rows 1 & 2: Work to one st before stitch marker, w&t.

Rows 3-10: Work to 4 [4, 5, 5, 6, 6, 7] sts before last w&t, w&t.

You will be working another inch of short rows at the bottom of the garment, but if you feel you need more length in back, you can continue to work short rows at this point.

Try on the garment by placing the live stitches on waste yarn, and ensure that the bottom edge of the garment is level when worn.

You should now be on the right side. Knit to end of round, picking up all wraps along the way.

On next round, pick up and work all remaining wraps.

INCREASE TO HIPS

Increase rows are worked as follows:

K to one st before next side marker, LIR, k1, sm, k1, LIL. Repeat at next SM, noting that the second increase will overlap with the start of the next round.

Increase 5 times over the next 48 [48, 48, 50, 51, 54, 55] rounds as follows:

Increase on the NEXT round and then every:

11 [11, 11, 12, 12, 13, 13] rounds

1 [1, 1, 3, 2, 3, 2] times

Then every:

12 [12, 12, 13, 13, 14, 14] rounds

3 [3, 3, 1, 2, 1, 2] times

Counting the 11 rounds of the waistband, your garment will have
59 [59, 59, 61, 62, 65, 66] rounds in front
69 [69, 69, 71, 72, 75, 76] rounds in back
146 [162, 178, 194, 210, 226, 242] sts at end of this section

To lengthen garment, add rounds to this section between increases. You may also adjust the number of incs to fit your personal body shape. Each inc round will add .75"/2cm if worked to gauge. Refer to the schematic and your own measurements to decide what will work best for you.

CROTCH SHAPING



Place a st marker on either side of the two center sts in the front and back sections. A total of 4 stitch markers added. These will be called center markers. Crotch shaping is worked in two parts. First, the increases will happen right at the center point of each front and back section. Then, the crotch will be widened to form a gusset.

On next round (round 60 [60, 60, 62, 63, 66, 67]) inc every other round for a total of 20 [26, 30, 34, 38, 42, 48] rounds, as indicated below.

For the first 12 [14, 18, 22, 26, 30, 32] rounds, inc rounds are worked as follows:

Work to one st before center marker, LIR, SM, k2, SM, LIL. Repeat one more time.

Note that you maintain just 2 sts between the center markers for this section.

For the remaining 8 [12, 12, 12, 12, 12, 16] rounds, work inc rounds as follows:

*Work to next center marker, SM, k1, LIL, work to one st before next

center marker, LIR, SM.* Repeat one more time.

Note that you are now increasing sts between the center markers. This is your crotch gusset.

79 [85, 89, 95, 100, 107, 114] rounds in front
89 [95, 99, 105, 110, 117, 124] rounds in back
186 [214, 238, 262, 286, 310, 338] total sts
88 [102, 114, 126, 138, 150, 164] sts in front section
98 [112, 124, 136, 148, 160, 174] sts in back section

On last round, stop one st shy of end of round, w&t

SHORT ROWS

You should have just completed an increase round.

At this point, to extend the crotch a little further and add a bit more length to the back, we will work some additional short rows. Crotch increases will continue on either side of the gusset on right side rows.

Work as many short rows as you need to achieve a good fit. It is recommended that you periodically move your live sts to waste yarn and try the garment on. The front crotch gusset will go between your legs in front and meet with the back crotch gusset. Fit should be snug but comfortable when you complete this section.

Incs are worked on right side rows as follows:

Work to center marker, LIL, SM, work to next marker, SM, LIR. Work remainder of row as indicated.

You are no longer adding sts to the gusset. The back gusset needs to remain the same width as the front gusset. Increases are now happening outside the gusset.

Row 1: Work to one st before side marker, w&t.

Rows 2-7: Work to 5 sts before last w&t, remembering to work inc on even rows, w&t.

You should now be ready to begin a right side row. Knit to end of round, working incs as above and picking up all wraps along the way.

LEGS

Each leg is made up of half the front and half the back, minus the gusset. Legs are each worked identically. Gusset is 8 [12, 12, 12, 12, 12, 16] sts wide. The two outermost sts in each gusset section will be worked as part of the legs.

Place each set of 8 [12, 12, 12, 12, 12, 16] gusset sts on waste yarn. This will separate the leg sts naturally for you. Remove the center markers.

89 [99, 111, 123, 135, 147, 157] sts in each leg

8 [12, 12, 12, 12, 12, 16] sts in each crotch gusset section

Place one leg on your 16"/40cm long circular needle. Place the other leg's sts on waste yarn or st holder, keeping the marker in place to indicate the side seam.

Join to work in the round. You should already have a marker in place to mark the end of round.

If you have not cut your yarn, your round starts at the outside edge of the leg. You should start your second leg at this point too.

Round 1: K to inside of leg, PM between two halves of leg where the gusset was before. Pick up and knit all wraps as you get to them.

To avoid a gap where you close up the leg, cross the st before and after the st marker before placing the marker.

Continue knitting to end of round.

Round 2: K

Add length to legs here. You may want to inc or dec to fit your personal shape. Additional length will require additional yarn.

Round 3: *K1, kfb* k1 around leg.

133 [148, 166, 184, 202, 220, 235] sts

*For a more dramatic ruffle, inc in every st instead of every other.
For a more subtle ruffle, inc less often. If you don't wish to add any ruffle at all, do not increase at all in this round.*

Rounds 4-6: K.

Cut yarn. Slip your sts, without working them, until you reach the other st marker, which is at the inside of the leg. Join your CC yarn.

Starting your contrasting color round at the inside of the leg will prevent a jog in the stripes and will make the picot BO look cleaner.

Round 1: K.

Round 2: *co 1, bo 3* repeat around to form a picot BO.

You may use a knitted on or cable co for this bo.

Cut yarn and pull end through last st.

FINISHING

Either graft or use a 3-needle BO to join the front and back of crotch together.

If you pick up one extra st on each side of the gusset, you can avoid any gaps or holes that would later need to be hand-sewn closed. It is also recommended that you graft your stitches very loosely to start with, and adjust the tension after. This yarn is hard to graft evenly and if pulled too tightly, is very hard to loosen up.

Weave in all ends.

Using CC yarn and referring to the chart for your size on the following pages, use duplicate stitch to embroider the tree of life pattern.

*Keep a light tension when working duplicate st.
The charts show the tree of life worked over the right side of the garment. The pink line indicates the side "seam." Duplicate sts near the side seam may overlap an increase. If an area falls near an increase, you may need to add an extra duplicate st to fill in the gap. This is totally fine. The integrity of the design will not be compromised.*



Weave in ends from duplicate s

If using a ribbon drawstring, run it through the waistband casing.

RESOURCES

Original tree of life drawing created by Charles Darwin 1837

Simplified tree of life drawing created by Colin Purrington <http://www.flickr.com/photos/cpurrrin1/>

Boy short idea inspired by Thuy <http://schmeebot.com>

Information and tutorial for duplicate stitch:
http://knitting.about.com/od/knittingskills/ss/duplicat_stitch.html

Technical Editing by Elizabeth Sullivan
elizabeth@sweetpapriskadesigns.com

SUPPORT

This pattern is offered free for your personal use, however, if you enjoy the pattern and would like to make a donation to help cover the cost of supplies, time, and technical editing, you can make a donation, of any amount, by clicking [here](#).

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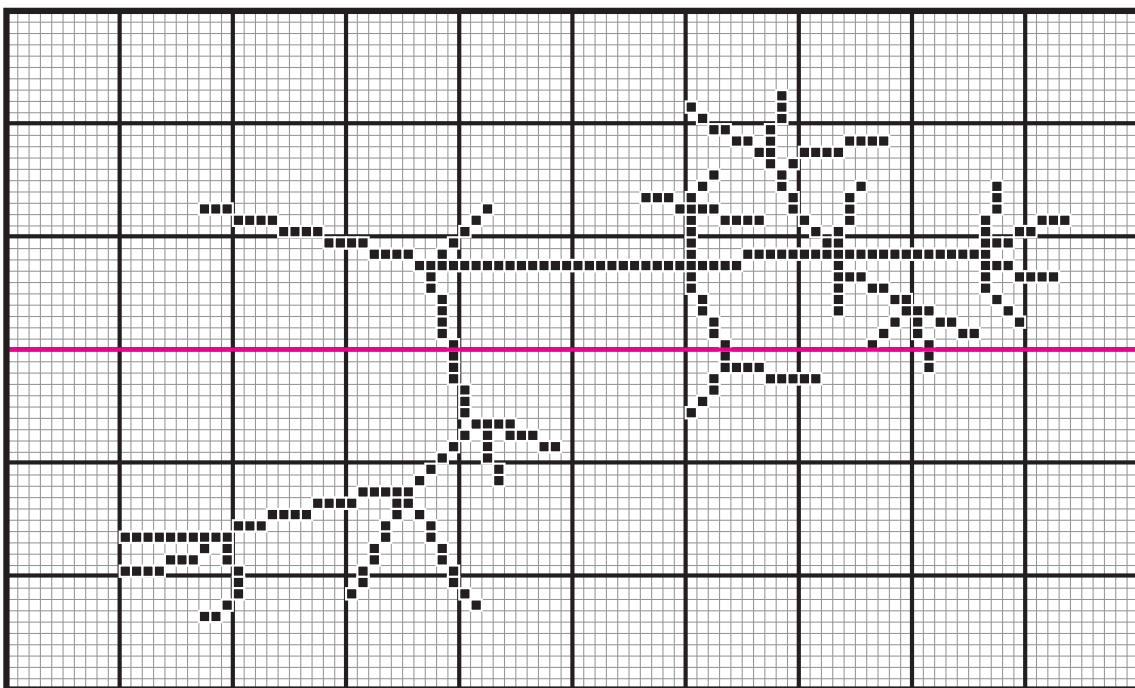
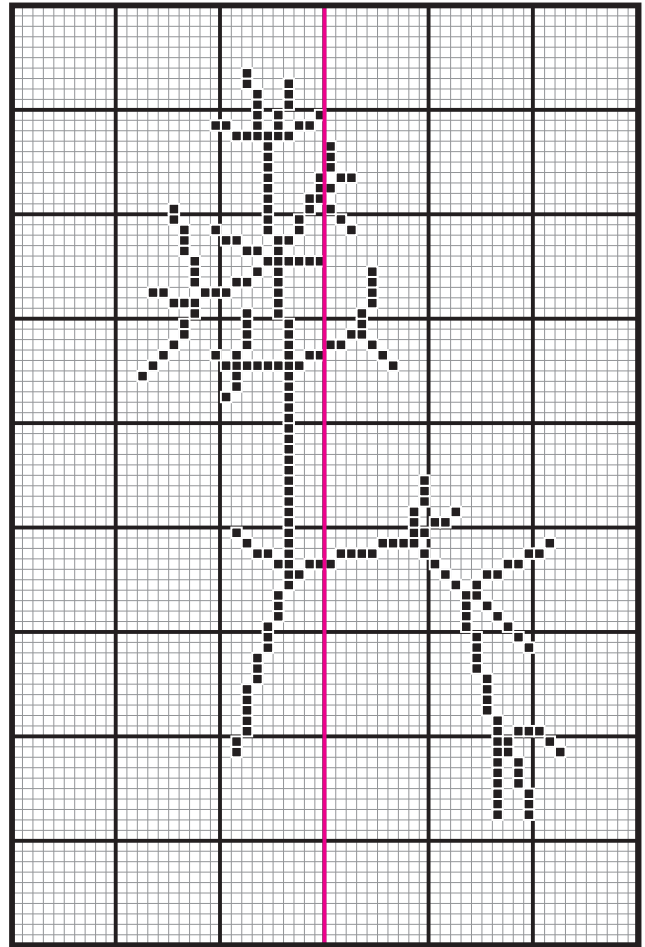
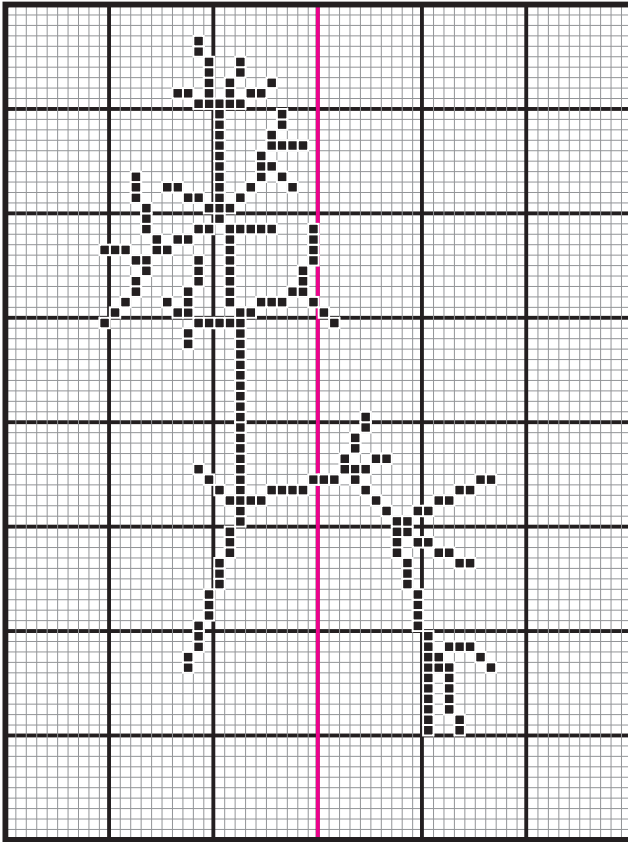


ABOUT THE DESIGNER

Marnie MacLean has been designing knitwear since 2003, but has been knitting and crocheting for more than 25 years. She is currently living in Oregon, with her long-time boyfriend and two ridiculously fantastic dogs. Marnie has appeared on five episodes of Knitty Gritty and has patterns in several books and magazines. She maintains a large collection of free and for sale patterns, as well as a blog and website at <http://MarnieMacLean.com>

Size 38 & 41

Size 32 & 35



Size 44, 47 & 50