

Flat Knit Doll Socks



This pattern sounds complicated, but it really isn't. You need to make a very few measurements of your doll's leg and foot, determine your stitch gauge, and do some arithmetic – mostly dividing by 2 and the like. The knitting involved is simple – rib and stockinette stitches, casting on, binding off, and using simple increases and decreases. I have given multiple examples (shown above) so you can see how it works out.

Numbers needed:

1. Measure the doll's foot at its widest point. Call this **F** (which stands for Foot).
2. Determine the number of stitches per inch that your yarn and needles give you, over stockinette stitch. Call this **G** (for Gauge).
3. Multiply F times G. This is how many stitches would go around the ankle in stockinette. Multiply by 1.3, to allow for ribbing's pull-in. Round to the nearest odd number. Call this **C** (for Cast-on).
4. Divide C by 2 and round to the nearest even number. Divide this in two for **B** (for Bind-off).
5. Calculate half the length of the foot divided by 2, resulting in **H** (for Half).
6. Calculate the stitches remaining after bind-off (which is $C - 2*B$) divided by 4, rounded to the nearest whole number giving the number of times to decrease for the toe or **D** (for decrease).

Cuff

Cast on C, as determined above. Work in K1, P1 ribbing until the piece measures the length you want from the top of the sock to just above the heel.

Next row: Bind off B stitches, work to end in rib.

Next row: Bind off B stitches, work to the end in rib.

Foot

Now switch to stockinette stitch (K 1 row, P 1 row) on the remaining stitches.

Work even until length of the narrow portion is H, ending with a wrong side row.

Toe

Decrease for top of toe.

Next row: SSK, knit to last two stitches, K2 tog.

Next row: Purl.

Repeat these two rows a total of D times, leading to the point of the toe.

Increase for bottom of toe.

Next row: K1, make 1, knit till one stitch left, make 1, K1.

Next row: Purl.

Repeat these two rows a total of D times.

Work even for the length of H, ending with a wrong side row.

Flat Knit Doll Socks

Heel

Next row: SSK, knit to last two stitches, K2 tog.

Next row: Purl.

Repeat these two rows a total of D times.

Next row: K1, make 1, knit till one stitch left, make 1, K1.

Next row: Purl.

Repeat these two rows a total of D times.

Bind off all stitches in knit.

Sew together as described below, referring to the following photograph of a sock knit from this pattern.



Begin by folding the small triangle at the end over so that A meets B and C meets D.

Sew these two short seams. The heel has now been formed.

Now fold at the other narrow part so that B meets E and D meets F. Sew these two seams. You have formed the toe and the front of the foot.

Now fold the cuff in half so that G meets I and H meets J and sew this seam.

You now have an open edge from E through G to F, and an open edge from A to C.

Sew these together, attaching the bottom of the cuff to the top of the heel. Work in ends and you are done.

Flat Knit Doll Socks

Sample 1 (12" doll)



This pair was made for a Petite Ai. Her ankles measure about 2 ¼" around (L). Her feet are 1 ½ " in length. I was knitting at a gauge of 8 sts per inch (G).

Cuff

Cast on 23 sts (C – 2.25 * 8 * 1.3). Work in rib as follows:

Row 1: (K1, P1) to last stitch, K1

Row 2: (P1, K1) to last stitch, P1.

Repeat these two rows until cuff is 1 inch long.

Next row: Bind off 6 sts (B – 23 divided by 2, rounded to 12, itself divided by 2). Work remaining stitches in rib as established. 17 stitches remain.

Next row: Bind off 6 sts. and work the remaining sts in rib. 11 stitches remain.

Foot

Now switch to stockinette stitch (K 1 row, P 1 row) on the remaining 11 sts.

Work even for ¾ " (H – 1.5 divided by 2), ending with a wrong side row.

Toe

Next row: SSK, knit to last two stitches, K2 tog.

Next row: Purl.

Repeat these two rows a total of three times (D – 11 divided by 4, rounded).

Next row: K1, make 1, knit till one stitch left, make 1, K1.

Next row: Purl.

Repeat these two rows a total of three times.

Work even for ¾ " (H again), ending with a wrong side row.

Heel

Next row: SSK, knit to last two stitches, K2 tog.

Next row: Purl.

Repeat these two rows a total of three times (D again).

Next row: K1, make 1, knit till one stitch left, make 1, K1.

Next row: Purl.

Repeat these two rows a total of three times.

Bind off all stitches in knit.

Sew together as described above.

Flat Knit Doll Socks

Sample 2 (6" doll)



This pair was made for a Tinybear Moona. She is really small, with legs measuring 1 inch around (L) and feet $\frac{3}{4}$ " in length. My gauge was 11.5 stitches per inch (G).

Cuff

Cast on 15 sts (C, 11.5 times 1 times 1.3). Work in rib as follows:

Row 1: (K1, P1) to last stitch, K1

Row 2: (P1, K1) to last stitch, P1.

Repeat these two rows until cuff is $\frac{5}{8}$ " long.

Next row: Bind off 4 sts (B - 15 divided by 2, rounded up to 8, itself divided by 2), work to end in rib as established (11 sts remain).

Next row: Bind off 4 sts, work to end in rib as established (7 sts remain).

Foot

Now switch to stockinette stitch (K 1 row, P 1 row) on the remaining 11 sts.

Work even for $\frac{3}{8}$ " (H), ending with a wrong side row.

Toe

Decrease for toe.

Next row: SSK, knit to last two stitches, K2 tog.

Next row: Purl.

Repeat these two rows a total of two times (D, which is 7 over 4 rounded).

Next row: K1, make 1, knit till one stitch left, make 1, K1.

Next row: Purl.

Repeat these two rows a total of two times.

Work even for $\frac{3}{8}$ " , ending with a wrong side row.

Heel

Next row: SSK, knit to last two stitches, K2 tog.

Next row: Purl.

Repeat these two rows a total of two times (D, which is 7 over 4 rounded).

Next row: K1, make 1, knit till one stitch left, make 1, K1.

Next row: Purl.

Repeat these two rows a total of two times.

Bind off all stitches in knit.

Flat Knit Doll Socks

Sample 3 (SD Male)



This pair was made for my Timothy, a male SD-sized doll. His ankles are 3 ¼" around (and the distance up the leg that I want is 2 inches). The length of the foot is 2 ¾". My gauge was 8 stitches per inch (G).

Cuff

Cast on 33 sts (C – 3.25 * 8 * 1.3). Work in rib as follows:

Row 1: (K1, P1) to last stitch, K1

Row 2: (P1, K1) to last stitch, P1.

Repeat these two rows until cuff is 2 inches long.

Next row: Bind off 8 sts (B – 33 divided by 2, rounded to 16, itself divided by 2). Work remaining stitches in rib as established. 25 stitches remain.

Next row: Bind off 6 sts. and work the remaining sts in rib. 17 stitches remain.

Foot

Now switch to stockinette stitch (K 1 row, P 1 row) on the remaining 17 sts.

Work even for 1 3/8 " (H – 2 3/4 divided by 2), ending with a wrong side row.

Toe

Next row: SSK, knit to last two stitches, K2 tog.

Next row: Purl.

Repeat these two rows a total of four times (D – 17 divided by 4, rounded).

Next row: K1, make 1, knit till one stitch left, make 1, K1.

Next row: Purl.

Repeat these two rows a total of four times.

Work even for 1 3/8 " (H again), ending with a wrong side row.

Heel

Next row: SSK, knit to last two stitches, K2 tog.

Next row: Purl.

Repeat these two rows a total of four times (D again).

Next row: K1, make 1, knit till one stitch left, make 1, K1.

Next row: Purl.

Repeat these two rows a total of four times.

Bind off all stitches in knit.

Sew together as described above.