$$
\begin{gathered}
\text { Knitting in scottsdale } \\
\text { design studio } \\
\text { e-mail: knitinscotts@cox.net } \\
\text { www.knittinginscottsdale.net }
\end{gathered}
$$



PATTERN HELP
For help on one of our exclusive designs or custom written patterns e-mail your question to: knitinscotts@cox.net

Please include your name and phone number

| YARN USED FOR SAMPLE | Sport weight yarn-approximately 350 yards needles <br> For your socks to be the correct size, it is not the brand of yarn that matters, but the <br> GAUGE that is important. <br> It is best to refer to the yardage to determine how many skeins or balls to purchase. |
| :--- | :--- |
| NEEDLES | Size 2 double pointed needles-4 needles |
| OTHER NOTIONS | gauge ruler <br> one ring marker <br> tapestry needle |
| GAUGE | 28 stitches = 4 inches in stockinette stitch on size 2 needles |
| Exact gauge is essential for proper size. Before beginning the socks, make a sample swatch using the yarn weight and <br> needle size specified. After completing the swatch, measure it, counting your stitches and rows carefully. If your swatch is <br> larger or smaller than specified, make another, changing needle size to get the correct gauge. Keep trying until you <br> find the size needles that will give you the specified gauge. It is worth the effort to redo the gauge to ensure the proper fit of <br> the finished socks |  |

With size 2 needles cast on 28 stitches. Work in stockinette stitch for 30 rows. Slip work from needle. Using a press cloth, press with a steam iron.


To measure the stitch gauge, align the gauge ruler along a row of stitches, count the number of stitches within a two inch width, and divide by 2 .


To measure the row gauge, align the gauge ruler along a column of stitches, count the number of stitches within a two inch length, and divide by 2

COUNT ROWS For accurate knitting it is a good practice to count the rows of each section. If the first knit piece is measured and the rows counted and recorded, then corresponding pieces can be knit to match without measuring. When it comes time to do the finishing all the pieces come together flawlessly. There are spaces provided ( $\qquad$ rows), on both the instruction sheet and schematic to record the number of rows you worked for each section.
YARN MARKERS Use thin cotton thread in a contrasting color, about 12 inches long, to make counting rows easy. Knit it along with your regular yarn for about 6 to 8 stitches. Always knit it on row one (right side) of the section you are counting. Knit one marker above another. Yarn markers on schematics are shown as $\sim \sim$. When a sock is completed a strong tug will remove it.

## ABBREVIATIONS

$\mathbf{k}$ knit p purl $\quad$ * $\quad$ repeat instructions between asterisks
[ ] repeat the instructions inside the brackets by the number of times outside the brackets
slip 1 slip 1 stitch purlwise from the left needle to the right needle without knitting it.
p2tog purl 2 stitches together
$\mathbf{k 2 t o g}$ knit 2 stitches together is a right slanting single decrease
ssk
slip, slip, knit is a left slanting single decrease


1. Separately slip next 2 stitches to the right-hand needle as if to knit.

2. From left to right insert the tip of the left-hand needle through the front loops of these 2 stitches.

## STITCHES

$\mathbf{2 \times 2}$ Ribbing-worked on 4 needles in the round Row 1 (right side): k2, p2 to end

Stockinette Stitch—worked on 4 needles in the round Every Row: knit


## TO BEGIN

Cast on 60 stitches on one double pointed needle. Divide onto 3 double pointed needles, 20 stitches on each needle. Join into a round, being careful not to twist the work.
http://knittersreview.com/article tool.asp?article=/review/profile/010426 b.asp
CUFF-(after a few rounds of the cuff, indicate the beginning of the round-where the tail is- with a safety pin, moving it up as you work).
Option 1 all ribbed: Work in $2 \times 2$ ribbing for 6 inches or desired length.
Option 2 ribbed top with stockinette cuff: Work in $2 \times 2$ ribbing for 1 inch and then continue in stockinette stitch for another 5 inches or desired length.

## HEEL FLAP

DIVIDE STITCHES-Knit next 30 stitches for heel, slipping a ring marker on the right-hand needle after 15 stitches.
Place remaining 30 stitches on one needle for instep, to be worked later.
Work back and forth on heel stitches as follows:
Row 1 (wrong side) slip first stitch and purl the remaining stitches
Row 2 *slip 1, k1* across row
Repeat these two rows until heel measures $21 / 2$ inches, ending ready for a purl row.
TURN HEEL http://www.youtube.com/watch?v=essddfW7Ud8

Row 1: Slip 1 p16 stitches, p2tog, p1, turn
Row 2: Slip 1, k 5 stitches, k2tog, k1, turn
Row 3: Slip 1, p6 stitches, p2tog, p1, turn
Row 4: Slip 1, k7 stitches, k2tog, k1, turn
Row 5: Slip 1, p8 stitches, p2tog, p1, turn
Row 6: Slip 1, k9 stitches, k2tog, k1, turn

Row 8: Slip 1, k11 stitches, k2tog, k1, turn
Row 9: Slip 1, p12 stitches, p2tog, p1, turn
Row 10: Slip 1, k13 stitches, k2tog, k1, turn
Row 11: Slip 1, p14 stitches, p2 tog, p1, turn
Row 12: Slip 1, k15 stitches, k2tog, k1, turn $=18$ stitches
Row 13 Slip 1, purl across

Row 7: Slip 1, p10 sts, p2tog, p1, turn
The heel is turned; there are 18 stitches on the heel needle and 30 stitches on the instep needle.

## GUSSET

## Next row and set up row:

knit across 9 heel stitches, remove ring marker.
Using another needle (needle \#1) k the other 9 heel stitches from heel, and using the same needle (\#1), pick up and knit 15 stitches along the side of the heel.

Using another needle (needle \#2) knit across the 30 instep stitches.
Using another needle (needle \#3) pick up and knit 15 stitches along the other side of the heel, using the same needle (\#3) knit across the 9 heel stitches.

The middle of the heel is now the beginning of the round. Mark the row below with a safety pin between needles 1 and 3 . You have 24 stitches on needle \#1, 30 stitches on needle \#2(instep), and 24 stitches on needle \#3 =78 stitches.

## Round 1

needle \#1 knit to within 3 stitches of end of needle, k2tog, $\mathrm{k} 1=23$ stitches
needle \#2 Knit across
needle \#3 k1, ssk (see page 2), knit to end
Round 2 knit without decreases
Repeat rounds 1 and 2 until 15 stitches remain on needles 1 and 3 and 30 stitches are still on needle $\# 2=60$ stitches.

## FOOT

Work even on 60 stitches until foot of sock measures 2 inches less than total finished length. The finished length is from the back of the heel to the end of the big toe; end ready for needle \#1 (center of heel).

## SHAPE TOE

## Round 1

needle \#1 knit to within 3 stitches of end of needle, k 2 tog , k 1
needle \#2 k1,ssk, k to last 3 stitches, k 2 tog , k 1
needle \#3 k1, ssk, knit to end
Round 2 knit without decreases
Repeat rounds 1 and 2 until 24 stitches remain-
6 stitches on needle\#1
12 stitches on needle \#2
6 stitches on needle \#3
Using needle \#3, knit across the stitches on needle \#1. There should be 12 stitches on two needles. Break off yarn leaving a 24 -inch tail. Use the Kitchener stitch to weave the toe stitches

## KITCHENER STITCH (used to graft stitches together to look like stockinette stitch).

Place the stitches to be grafted onto two needles and break the working yarn, leaving a tail roughly twice the length of the seam. Thread the tail of yarn onto a tapestry needle. Hold the two knitting needles together in the left hand with the needle's points facing right and the wrong sides of the knitting facing together. Hold the threaded tapestry needle in the right hand. For best results, position the stitches near the points of the needles.
In preparation, Insert tapestry needle into the first stitch on the front needle as to purl. Draw yarn through stitch, leaving stitch on knitting needle. Insert tapestry needle into the first stitch on back needle as to knit, leaving stitch on knitting needle. Then continue steps 1 through 4 until all stitches are joined. Keep the tension the same as the knitting.

1. Insert tapestry needle into the first stitch on the front needle as to knit. Slip stitch off knitting needle.

2. Insert tapestry needle into the next stitch on same (front) needle as to purl. Draw yarn through stitches, leaving stitch on knitting needle.

3. Insert tapestry needle into the first stitch on back needle as to purl. Draw yarn through stitch and slip the stitch off knitting needle.

4. Insert tapestry needle into the next stitch on back needle as to knit, leaving stitch on needle.


When weaving, do not pull yarn tightly or too loosely; woven stitches should be the same size as adjacent knitted stitches.

TRACKING SHEET the numbers below are not the number of rows required to reach your measurement (for the cuff, heel flap or foot length)-it is only an aid to help keep track of rows. Mark rows where shaping is worked and any other notes that are helpful to you.
Mark rows wherever you knit in a yarn marker
SOCK 1

| cuff |  | heel flap-30 sts | foot 60 sts |  | toe shaping |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 51 | 1 | 1 | 61 |  |
| 2 | 52 | 2 | 2 | 62 | 2 |
| 3 | 53 | 3 | 3 | 63 | 3 |
| 4 | 54 | 4 | 4 | 64 | 4 |
| 5 | 55 | 5 | 5 | 65 | 5 |
| 6 | 56 | 6 | 6 | 66 | 6 |
| 7 | 57 | 7 | 7 | 67 | 7 |
| 8 | 58 | 8 | 8 | 68 | 8 |
| 9 | 59 | 9 | 9 | 69 | 9 |
| 10 | 60 | 10 | 10 | 70 | 10 |
| 11 | 61 | 11 | 11 | 71 | 11 |
| 12 | 62 | 12 | 12 | 72 | 12 |
| 13 | 63 | 13 | 13 | 73 | 13 |
| 14 | 64 | 14 | 14 | 74 | 14 |
| 15 | 65 | 15 | 15 | 75 | 15 |
| 16 | 66 | 16 | 16 | 76 | 16 |
| 17 | 67 | 17 | 17 | 77 | 17 |
| 18 | 68 | 18 | 18 | 78 | 18 |
| 19 | 69 | 19 | 19 | 79 |  |
| 20 | 70 | 20 | 20 | 80 |  |
| 21 | 71 |  | 21 | 81 |  |
| 22 | 72 | turn heel $=30$ sts | 22 | 82 |  |
| 23 | 73 | turn heel =30 sts | 23 | 83 |  |
| 24 | 74 | th | 24 | 84 |  |
| 25 | 75 | 1 | 25 | 85 |  |
| 26 | 76 | 2 | 26 | 86 |  |
| 27 | 77 | 3 | 27 | 87 |  |
| 28 | 78 | 4 | 28 | 88 |  |
| 29 | 79 | 5 | 29 | 89 |  |
| 30 | 80 | 6 | 30 | 90 |  |
| 31 | 81 | 7 | 31 | 91 |  |
| 32 | 82 | 8 | 32 | 92 |  |
| 33 | 83 | 9 10 | 33 | 93 |  |
| 34 | 84 | 10 | 34 | 94 |  |
| 35 | 85 | 11 | 35 | 95 |  |
| 36 | 86 | $12$ | 36 | 96 |  |
| 37 | 87 | $13$ | 37 | 97 |  |
| 38 | 88 | $=18$ stitches | 38 | 98 |  |
| 340 | 89 | set up gusset -78 sts sts | 39 | 99 |  |
| 41 | 90 |  | 40 | 100 |  |
| 42 | 91 | shape gusset | 41 | 101 |  |
| 43 | 92 |  | 42 | 102 |  |
| 44 | 93 |  | 43 | 103 |  |
| 45 | 94 | 2 | 44 | 104 |  |
| 46 | 95 | 3 | 45 | 105 |  |
| 47 | 96 | 4 | 46 | 106 |  |
| 48 | 97 | 5 | 47 | 107 |  |
| 49 | 98 | 6 | 48 | 108 |  |
| 50 | 99 | 6 7 | 49 | 109 |  |
|  | 100 | 8 | 50 | 110 |  |
|  |  | 8 9 | 51 | 111 |  |
|  |  | $\begin{gathered} 9 \\ 10 \end{gathered}$ | 52 | 112 |  |
|  |  | $\begin{aligned} & 10 \\ & 11 \end{aligned}$ | 53 | 113 |  |
|  |  | $\begin{aligned} & 11 \\ & 12 \end{aligned}$ | 54 | 114 |  |
|  |  | $\begin{aligned} & 12 \\ & 13 \end{aligned}$ | 55 | 115 |  |
|  |  | $\begin{aligned} & 13 \\ & 14 \end{aligned}$ | 56 | 116 |  |
|  |  | $\begin{aligned} & 14 \\ & 15 \end{aligned}$ | 57 | 117 |  |
|  |  | $16$ | 58 | 118 |  |
|  |  | 17 | 59 | 119 |  |
|  |  | 18 | 60 | 120 |  |
|  |  | $\begin{gathered} =60 \text { stitches } \\ 15 \text { sts- } 30 \text { sts- } 15 \text { sts } \end{gathered}$ |  |  |  |

SOCK 2

| cuff |  |
| :---: | :---: |
| 1 | 51 |
| 2 | 52 |
| 3 | 53 |
| 4 | 54 |
| 5 | 55 |
| 6 | 56 |
| 7 | 57 |
| 8 | 58 |
| 9 | 59 |
| 10 | 60 |
| 11 | 61 |
| 12 | 62 |
| 13 | 63 |
| 14 | 64 |
| 15 | 65 |
| 16 | 66 |
| 17 | 67 |
| 18 | 68 |
| 19 | 69 |
| 20 | 70 |
| 21 | 71 |
| 22 | 72 |
| 23 | 73 |
| 24 | 74 |
| 25 | 75 |
| 26 | 76 |
| 27 | 77 |
| 28 | 78 |
| 29 | 79 |
| 30 | 80 |
| 31 | 81 |
| 32 | 82 |
| 33 | 83 |
| 34 | 84 |
| 35 | 85 |
| 36 | 86 |
| 37 | 87 |
| 38 | 88 |
| 340 | 89 |
| 41 | 90 |
| 42 | 91 |
| 43 | 92 |
| 44 | 93 |
| 45 | 94 |
| 46 | 95 |
| 47 | 96 |
| 48 | 97 |
| 49 | 98 |
| 50 | $\begin{gathered} 99 \\ 100 \end{gathered}$ |


| heel flap- $\mathbf{3 0}$ sts <br> 1 <br> 2 <br> 3 <br> 4 <br> 6 <br> 7 <br> 8 9 <br> 10 <br> 11 <br> 12 <br> 13 <br> 14 <br> 15 <br> 16 <br> 17 <br> 18 <br> 19 <br> 20 |
| :---: |
| turn heel $=30$ sts |
| th 1 2 3 4 5 6 7 8 9 10 11 12 13 $=18$ stitches |
| set up gusset -78 sts sts |
| shape gusset |
| 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 $=60$ stitches 15 sts 30 sts- 15 sts |



| toe |
| :---: |
| shaping |$|$| 2 |
| :---: |
| 3 |
| 4 |
| 5 |
| 6 |
| 7 |
| 8 |
| 9 |
| 10 |
| 11 |
| 12 |
| 13 |
| 14 |
| 15 |
| 16 |
| 17 |
| 18 |
|  |

