

Diamond Scarf

This pattern need a basic multiple of 8 stitch cast on plus 1, e.g. I cast on 37 which is $4 \times 8 + 1$, the middle 3 stitches are the ones manipulated , or worked on all through the pattern shaping. I used a ball of chunky which was handy and number UK 6 needles (5mm/USA8). For double knit/sports weight I'd use a UK8 (4mm/USA6). See chart on http://www.getknitting.com/hk_0601needle_sizes.aspx



Cast on 37 stitches

1. knit 1 row
2. Slip 1, knit 16, slip 1 knit 2 together and pass the slipped stitch over knit to end
3. Slip 1 knit to end
4. Slip 1 knit 15, slip 1 and pass slipped stitch over, knit to end
5. and every odd numbered row is the same as row 3.
6. slip 1 knit 14, slip 1 knit 2 together and pass the slipped stitch over. Knit to end

Continue in the manner until you have 15 stitches on the needle.

Knit 1 row.

Now is the mathematical side, really easy don't worry. You need 37 stitches again and you have to keep the 15 which are on the needle

$37 \text{ minus } 15 = 22$ so you need to add 22 stitches

$22 \text{ divided by } 2 = 11$ so you need to cast on 11 stitches either side of the 15 stitches on the needle.

Cast on 11 stitches on the same needle as the 15 stitches. Knit across all the stitches. With all the stitches on the needle, cast on 11 onto this same needles. You should have 37 stitches on the needle again...magic.

Go to row 1 and repeat this all over again until your scarf is as long as you want it.

Here is a great site for modular knitting instructions and other great patterns

http://inahappycamper.eponym.com/blog/_WebPages/FreePatterns.html