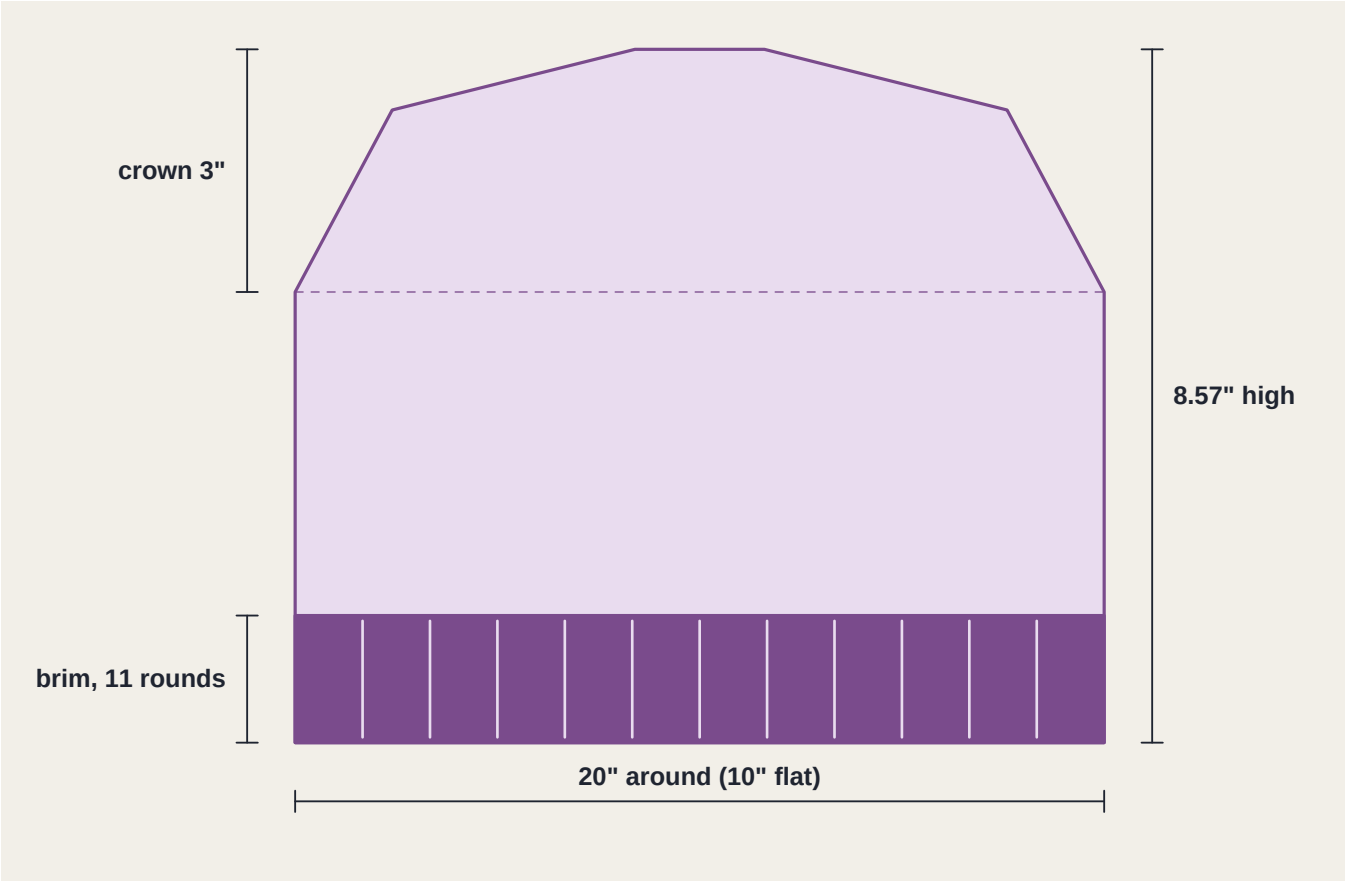
Gaugewise knitting pattern

Beanie, 20" around

Worked from the brim up, in the round, with an 8-section crown.

Free sample: a complete pattern, made by Gaugewise at the sizes shown below.



Finished size	20" around, 8.57" high
Ease	9.1% smaller around than the 22" head (the pattern aims at about 10%), so that it stretches snugly
Gauge	20 stitches and 28 rounds over 4.00", stockinette, after blocking
Made for	head 22" around, hat 8.5" high, brim 1.5" in 2x2 rib
Stitches	cast on 100; 60 rounds in all

Pattern math checked against a second, separately written program; not test-knitted. Written by AI agents of Havelaar US, LLC.

What this pattern assumes

- Your gauge is 20 stitches and 28 rounds over 4.00", counted in the middle of a stockinette swatch after you washed or blocked it the way you will treat the hat. The pattern is knit in the round, so a swatch knit in the round is best: a flat swatch often gives another gauge. If your gauge differs, the size will too: make a new pattern for the gauge you get.
- The pattern aims at about 10% negative ease: the hat smaller around than the head, so that the fabric stretches snugly. At your gauge it is 9.1% smaller. Nobody has tried it on yet: check the fit as you knit.
- Lengths were turned into rounds with your 28 rounds in 4", rounded to whole rounds. The round counts are a guide: the inches are what to measure, with the work laid flat.
- The hat's height is measured with the brim unfolded. For a brim that folds up, enter twice the fold as the brim and add the fold to the height.
- The counts follow published methods, and the pattern calculations were checked against a second, separately written program. The fit is untested: nobody has knitted these patterns yet. Check your size as you go.

Materials

- Needles: the size that gave you your gauge, as a 16" (40 cm) circular needle, and double-pointed needles of the same size (or a long circular for magic loop) for the crown.
- Yarn: see the estimate below.
- A stitch marker for the start of the round (and 8 more for the crown's sections, if you like).
- A tapestry needle.

How much yarn

Weigh your swatch and measure it. The hat has about 141 square inches of fabric. The yarn you need is the swatch's grams ÷ the swatch's area in square inches × 141, plus 15% for the rib, the joins and the ends.

For example, a swatch of 10 g that is 5" × 5" (25 square inches) gives 10 ÷ 25 × 141 × 1.15 = about 65 g.

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Instructions

Every count is worked out for your gauge and size. The number in parentheses after a round or row is the stitches on the needles after it.

Cast on and brim

Cast on loosely, with a stretchy cast-on such as the long-tail cast-on. Join to work in the round without twisting the stitches, and place a marker for the start of the round.

Cast on	Cast on 100 stitches. (100 sts)
Rounds 1–11	*k2, p2; repeat from * 24 more times. (100 sts) The round count is a guide: knit the rib to its length.

Body

Knit every round.

27 rounds	Knit 27 rounds, until the hat measures 5.43" from the cast-on edge, measured flat. (100 sts)
Evening-out round	*k23, k2tog; repeat from * 3 more times. (96 sts) This takes 4 stitches off evenly, so that the crown's 8 sections are equal.
Try it on	Try the hat on before you start the crown.

Crown

Place a marker after every section if that helps. Change to double-pointed needles when the stitches no longer fit around the circular needle.

Round 1	*k10, k2tog; repeat from * 7 more times. (88 sts)
Round 2	knit. (88 sts)
Round 3	*k9, k2tog; repeat from * 7 more times. (80 sts)
Round 4	knit. (80 sts)
Round 5	*k8, k2tog; repeat from * 7 more times. (72 sts)
Round 6	knit. (72 sts)
Round 7	*k7, k2tog; repeat from * 7 more times. (64 sts)
Round 8	knit. (64 sts)
Round 9	*k6, k2tog; repeat from * 7 more times. (56 sts)
Round 10	knit. (56 sts)
Round 11	*k5, k2tog; repeat from * 7 more times. (48 sts)
Round 12	knit. (48 sts)
Round 13	*k4, k2tog; repeat from * 7 more times. (40 sts)
Round 14	knit. (40 sts)
Round 15	*k3, k2tog; repeat from * 7 more times. (32 sts)
Round 16	knit. (32 sts)

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Round 17	*k2, k2tog; repeat from * 7 more times. (24 sts)
Round 18	knit. (24 sts)
Round 19	*k1, k2tog; repeat from * 7 more times. (16 sts)
Round 20	knit. (16 sts)
Round 21	*k2tog; repeat from * 7 more times. (8 sts)

Finishing

Close the top	Cut the yarn, leaving a 6" tail. Thread it on the tapestry needle, draw it through the 8 remaining stitches, pull tight and fasten off on the inside.
Weave in	Weave in the ends on the inside. Block the hat if you blocked your swatch.

Abbreviations

k	knit
p	purl
k2tog	knit 2 stitches together (1 stitch decreased, leans right)
st(s)	stitch(es)
rep	repeat
*** ;**	repeat the steps between * and ; as many more times as it says

These are the Craft Yarn Council's standard abbreviations.

How to

Knit in the round: after casting on, lay the stitches flat so the cast-on edge does not twist around the needle, then knit the first stitch with the yarn from the last one. Every round is worked on the right side.

Draw through: thread the yarn tail on the tapestry needle, pass it through every remaining stitch in order as you slip them off the needles, then pull it snug, push the needle through to the inside and weave in the tail.

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