

SE2SE Wooly Weaving Challenge

Weaving Project Worksheet with notes

Name of Project: _____ Date: _____

Warp Information

Warp Yarn: _____

EPI: _____

Warp Width: _____

Total Ends: _____

Warp Length: _____

Total Yards for Warp: _____

Width X EPI = Total Ends

Total Ends X Length = Total Yards for Warp

EPI = Ends Per Inch, also called Set or Sett. If your yarn falls into a standard knitting yarn category, you can estimate your set.

Or you can use the WPI system - Wraps Per Inch

Wrap your yarn around a ruler or dowel, aligning it carefully but not tightly.

Your WPI _____ / 2 = EPI for plain weave.

Fingering	18-24 WPI	12 epi
DK/Sport	12-20 WPI	10 epi
Worsted	8-16 WPI	8 epi

The **width** of your finished cloth will be 10-15% narrower than your warp in the heddle or reed, due to draw in that occurs as you weave and shrinkage during wet finishing. Plan your warp width to accommodate this loss. My finished scarves are between 9"-12" wide.

The **length** of your warp is determined by your desired finished length, plus

Add 8-12" for fringe if desired OR 1.5-2" for hems,

Add 10-15% for take up and shrinkage

Add 24"-36" for loom waste for your loom.

Add about 10" for sampling before you start weaving your project

For example.:

Scarf length 60"

Fringe 12"

Take Up 11" (72 x 15% = 10.8")

Loom Waste 24"

Sampling + 10"

Warp Length 117" or 3.25 yards (3 yards plus 9")

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Weft Information

Weft Yarn: _____

PPI: _____

PPI x width of warp = yarn required for one inch of weaving

Multiply this number by the length of your woven scarf

And then add 10% for take up.

For example:

PPI:	12
Width of warp:	<u>X 10"</u>
Weft inches	120" for one inch of weaving
Weft inches	120" for one inch of weaving
Length of scarf	<u>X 60"</u>
Approx. Weft inches	7,200" for scarf
Approx. Weft inches	7,200" for scarf
Add 10%	<u>+ 720"</u>
Total Weft for Scarf	7,920" or 220 yards (7,920/36" = 220")

PPI = Picks Per Inch, or the number of weft threads per inch as you weave. For a balanced weave using the same yarn for warp and weft, the EPI and PPI are the same or very close. For a colorful handspun warp, I often use a much finer weft yarn, fingering or laceweight, and beat it gently for a light fabric, at approximately the same PPI as the warp EPI. This makes a warp dominant fabric that shows off the handspun well.

Examples:

Plaid scarf, 60" long, 10" wide

Warp: Blue Face Leicester DK – 3 yard warp requires 360 yards

Weft: Blue Face Leicester DK – 264 yards total

EPI: 12

PPI: 12

Handspun warp scarf, 60" long, 10" wide

Warp: handspun wool, approx. DK weight – 3 yard warp requires 300 yards

Weft: laceweight wool yarn – 165 yards total

EPI: 10

PPI: 9