

Plan Your Project

	ram going to make:			Item*		Project Yarn*		
Warp	Calculat	ions:						
	Finished Length of Item*		.+ Hem or Fringe*			Total Length of Each Item		
	# of Items to be Woven			ength of Each Ite		Woven Length (inches)		
	Take-up*			oven Length (incl		= Total Take-up and Shrinkage (inches)		
	+ Waste*	Total Take-up and Sh	 ırinkage	+ Woven I	ength	Total Length of Warp (inches)		
			÷	36 =				
	l otal L	ength of Warp (inches	x	=	lotal	Length of Warp (yards)		
	Width	(of item) in the Reed		EPI	7	Total # of Ends		
Color 1:		ength of Warp (yards)	X	# \\/over Fn do*	= -			
Color 2:		ength of Warp (yards) ength of Warp (yards)	Х	# Warp Ends* # Warp Ends*	= _	Yards Needed for Warp —————— Yards Needed for Warp		
Color 3:		ength of Warp (yards)	Х		= _	Yards Needed for Warp		

Weft Calculations:

>	:	x		Х		x _	=	=
# Items to be	Total Length	Width in	Reed	Se	ett		Take up &	Total Weft Needed
Woven	of Each Item						shrinkage*	(inches)
			÷	36	=			
	Total Weft Needed	d (inches)				T	otal Weft Need	ed (yards)
Color 1:			Χ			=		
	Total Weft Needed	d (yards)		% Of V	Veft*		Yards Needed	l for Weft
Color 2:			Χ			=		<u></u>
	Total Weft Needed	d (yards)		% of W	/eft*		Yards Needed	for Weft
Color 3:			Χ			=		
	Total Weft Needed	d (yards)		% of W	/eft*		Yards Needed	for Weft

Add warp and weft together to find total yarn needed:

Color 1:		+		=	
	Total Warp Needed (yards)		Total Weft Needed (yards)		Total Yards Needed for Project
Color 2:		+		=	
	Total Warp Needed (yards)		Total Weft Needed (yards)		Total Yards Needed for Project
Color 3:		+		=	
	Total Warp Needed (yards)		Total Weft Needed (yards)		Total Yards Needed for Project

Explanations

- The Item is what you are going to make. For example: a Scarf, Dishtowel or Mug Rug.
- * **Project Yarn** is what yarn you are planning to use for the warp. For example: 5/2 mercerized cotton yarn.
- * The Finished Length of Item is how long each item will be when it is finished.
- * Hem or Fringe includes whatever you will weave or allow to finish your item. 1.5 " on each side works well for a nice hem on most items. Fringe is really a matter of taste: for short fringe use 3", for medium fringe use 6" and for long fringe use 12" for each side of the item. Keep in mind that the fringe length loses about 25% when plied. Remember to include hem or fringe on both sides of your item.
- * **Take-up** is the extra yarn that will be needed to go over and under the weft yarns. We usually use 10% for take-up with mercerized cotton yarn. Warp Rep with large filler uses more, small wefts and flat weaves use less. Use the number as a decimal on the sheet, e.g. 0.1 for 10%)
- * Shrinkage is how much you expect the yarn to shrink in washing and drying. This varies by fiber. Wool shrinks more than cotton, unmercerized cotton yarn shrinks more than mercerized. We usually use 5% for shrinkage with mercerized cotton yarn, 10% for unmercerized yarn. Use the number as a decimal on the sheet, e.g. 0.1 for 10%)
- * **Loom Waste** is the amount of warp yarn that you will not be able to weave or used for sampling. Included in this number is the amount used at the beginning to tie to the front apron rod, the yarn that you won't weave at the end. We usually use 27" or 36".
- * Width in Reed and EPI (Ends Per Inch) come from your pattern.
- * Raddle Dents per Inch depends on your raddle. Most commercial raddles have 1, 2 or 4 dents per inch.