

## CALCULATING YARN NEEDS

Project \_\_\_\_\_ Date \_\_\_\_\_  
Finished size desired \_\_\_\_\_ EPI \_\_\_\_\_

### Calculating the number of warp threads:

\_\_\_\_\_ " finished width desired  
+ \_\_\_\_\_ " any special finishing (example: seams)  
+ \_\_\_\_\_ " \_\_\_ % takeup and shrinkage  
= \_\_\_\_\_ " total width in the reed  
x \_\_\_\_\_ EPI (ends per inch)  
= \_\_\_\_\_ number of warp threads needed

### Calculating the length of each warp thread:

\_\_\_\_\_ " finished length desired  
+ \_\_\_\_\_ " \_\_\_ % takeup and shrinkage  
= \_\_\_\_\_ " subtotal (length to weave)  
+ \_\_\_\_\_ " any special finishing (example: hems, fringe)  
= \_\_\_\_\_ " subtotal (inches per item)  
x \_\_\_\_\_ number of items to be woven (example: 6 placemats)  
= \_\_\_\_\_ " \*length in inches needed for total project  
+ \_\_\_\_\_ " loom waste  
= \_\_\_\_\_ " length in inches of each warp thread  
÷ 36 number of inches in a yard  
= \_\_\_\_\_ length in yards of each warp thread  
x \_\_\_\_\_ number of warp threads needed  
= \_\_\_\_\_ yards of warp thread you will need

### Calculating weft yarn needs

\_\_\_\_\_ PPI (picks per inch; number of rows per inch)  
x \_\_\_\_\_ " width of weaving in the reed  
= \_\_\_\_\_ " number of inches of weft yarn needed for 1 inch  
x \_\_\_\_\_ length of weaving (\*length in inches from above)  
= \_\_\_\_\_ total length  
+ \_\_\_\_\_ " \_\_\_ % takeup  
= \_\_\_\_\_ length of weaving + takeup  
+ 36 number of inches in a yard  
= \_\_\_\_\_ yards of weft yarn you will need