Calculating Warp

A
............ Woven length. Finished project length including hems

B

C
............ OPTIONAL: Fringe. To calculate:

inches of fringe x 2 (____) x number of pieces to be woven (____) =
total fringe ______ (put this figure in box B)

D

E
............ 10% Take-up (of total woven length) (A*.10 = ____)

F
............ 10% Shrinkage (of woven length + fringe) (A + B *.10 = ____)

G
............ Loom waste (unique for different looms)

H
............ Total Length (A + B + C + D + E = F) 1

I

J
............ Finished project width

K
............ Draw in (1 to 2 inches avg.)

L
............ Shrinkage (10% width)

M
............ Width on loom (G + H + I = J) A

N
............ warp sett (e.p.i.)

O
............ warp ends needed (J * K = L)

P
............ total length in inches (from 1 above)

Q
............ total warp needed in inches (L * M = N)

R

S

T

U

V

W

X

Y

Z

Calculating Weft

NOTE: Large letters refer to figures on warp sheet.

A

............Length of one weft shot in inches. Enter \( A \) from warp calculations.

B

............Shots per inch

\( x \)

C

............Inches needed to weave one inch of fabric \( (A \times B = C) \)

D

............Inches to be woven \( (B + 1.1 = D) \)

\( x \)

E

............Inches of weft needed to weave entire project \( (C \times D = E) \)

/ 36

F

............Total yards of weft needed \( (E \div 36 \text{ inches} = F) \)

If using multiple colors in warp or weft, use end/shot count to determine percentages of each color and multiply by total yards (in warp or weft or combination thereof) to determine yards per color.

Example:
A scarf has 90 ends and uses a total of 480 yards in the warp.
45 warp ends are blue, 15 each are yellow, green and red.

45 divided by 90 = 50%
50% of 480 = 240 yards

15/90 = roughly 17%
17% of 480 = roughly 82 yards (each of yellow, green and red)