



Project Calculator for _____

Item (What are you going to make?)

$$\frac{\text{Length of item}}{\text{Length of item}} + \frac{\text{Hem or Fringe}}{\text{Hem or Fringe}} = \frac{\text{Total Item Length}}{\text{Total Item Length}} \times \frac{\text{\# of items to be woven}}{\text{\# of items to be woven}} = \frac{\text{Total Woven Length}}{\text{Total Woven Length}}$$

$$\frac{\text{Total Woven Length}}{\text{Total Woven Length}} + \frac{10\% \text{ Takeup}}{10\% \text{ Takeup}} + \frac{\text{Loom Waste}}{\text{Loom Waste}} = \frac{\text{Total Length of Warp}}{\text{Total Length of Warp}}$$

$$\frac{\text{Width (of item) in the reed}}{\text{Width (of item) in the reed}} \times \frac{\text{EPI}}{\text{EPI}} = \frac{\text{Total \# of ends}}{\text{Total \# of ends}}$$

$$\frac{\text{EPI}}{\text{EPI}} \div \frac{\text{Raddle dents per inch}}{\text{Raddle dents per inch}} = \frac{\text{Ends per Raddle Dent}}{\text{Ends per Raddle Dent}}$$

$$\frac{\text{Width in reed}}{\text{Width in reed}} \times \frac{\text{Raddle Dents}}{\text{Raddle Dents}} = \frac{\text{\# of Raddle Groups}}{\text{\# of Raddle Groups}}$$

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| <ul style="list-style-type: none"> The length of the Item is how long it will measure, without tension on the loom. |
| <ul style="list-style-type: none"> Hem or Fringe includes whatever you will weave or allow to finish your item. 1 1/2" works well for a nice hem on most items. Fringe is really a matter of taste. Keep in mind that the fringe loses about 25% in length when plied... |
| <ul style="list-style-type: none"> The 10% for take up is a conservative estimate. Warp Rep with large filler uses more, small wefts and flat weaves use less. Loom waste also varies by person and loom. Bigger looms have more loom waste. Be sure to give yourself plenty of warp! |
| <ul style="list-style-type: none"> Width in reed and Ends per inch come from your pattern. # of raddle dents depend on your raddle. |