Threads/Inch in the Cloth or Fabric Count Thread Density Sett (Woven)

For Woven Fabric: In Warp, EPI

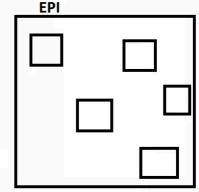
In Weft, PPI

For Knit Fabric: wpi, cpi

Determination of Threads per inch

- 1. Use of Counting Glass (Pick Glass)
- 2. Traversing Thread Counter
- 3. Fabric Dissection (Unravelling the cloth)
- 4. Parallel Line Grating
- 5. Tapper Line Grating

EPI



Method of Using Counting Glass

- Powerful Light Source and Table
- 5 Different palces has to be checked (Should not be same thread twice)
- Should avoid Selvedge
- => If the thread/inch is fewer than 25, No. of thread per 3 inch is taken and then divide the value by 3
- => If the fabric is less than 3", then Total threads has to be counted and then divide by the fabric width.
- => For Pile fabrics, Ground and pile has to be checked saperately
- => Denotaion should be 100 × 80. Should not be like 8,000

Here, Length in Fabric, P = 5000 m Straightened Lenght, L = ?

Crimp,
$$C = 3\%$$

We Know,
$$C = \frac{L - P}{P} * 100 \%$$

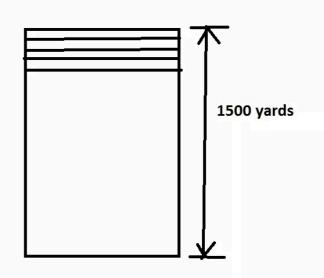
Problem 02: Do



Problem 03:

Straightended length of each picks =
$$\frac{6\% * 56 \text{ inch}}{100\%} + 56 \text{ inch}$$

= 59.36 inch



= 530 lb

No. of cones