**Name:**

**Count** refers to the thickness of a **yarn** and is determined by its mass per unit length. It is usually measured by the number of grams per one kilometer of **yarn**, a unit of measure called “Tex”.

>>>>>>>>>>>.Tex: No. of grams per 1'000 meters<<<<<<<<<<<<<<

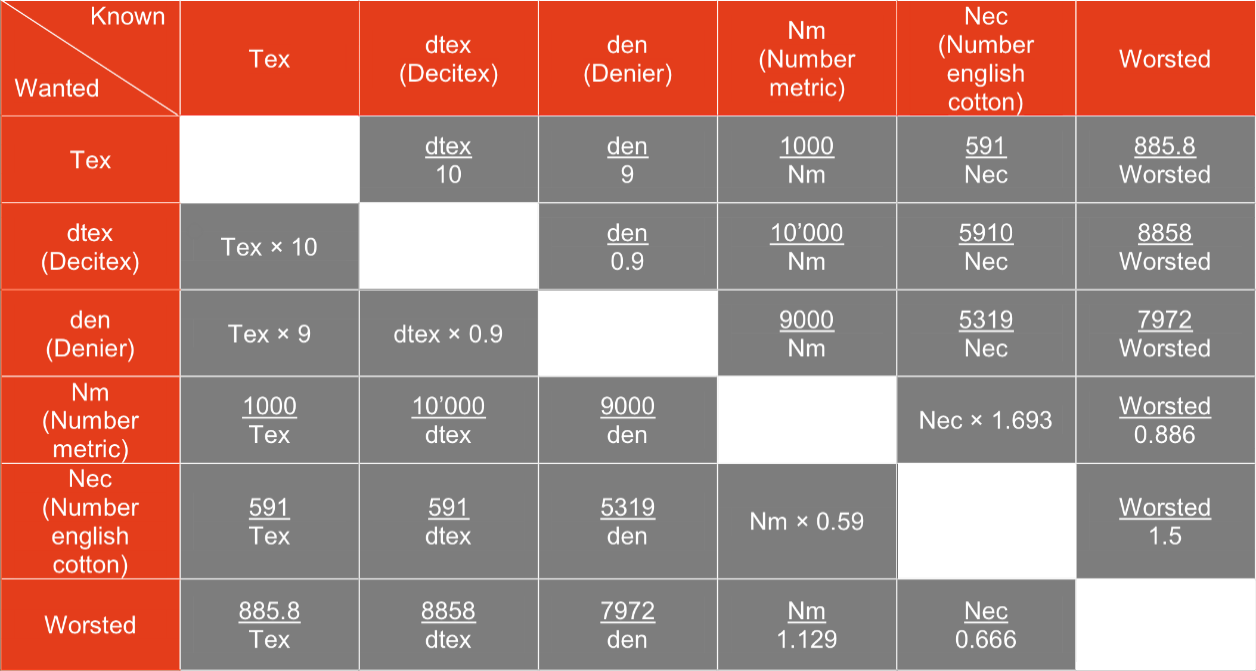
**PROBLEM 1: Calculate thread count TEX of the provided thread.**

1. **Cut the thread of 10meter ( do it 5 times)**
2. **Measure the Grams of each thread on measuring scale**
3. **Calculate TEX, ( do not forget to convert meter to km)**

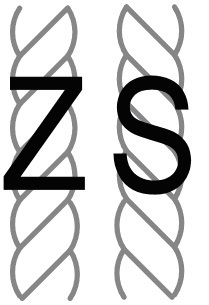
(Cut 10 meter of the provided sewing thread and weigh it on a scale and calculate number of grams for 1 kilo meter)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 |
| Grams |  |  |  |  |  |
| Tex |  |  |  |  |  |
|  |  |  |  |  |  |

**PROBLEM 2: Use the following table to convert the thread count in to different measuring units around the world.**



|  |  |
| --- | --- |
|  | Tex |
| Tex |  |
| Deci Tex |  |
| Denier |  |
| Number Metric |  |
| Number English Cotton |  |

**PROBLEM 3: Check if the thread is Z or S twist?**