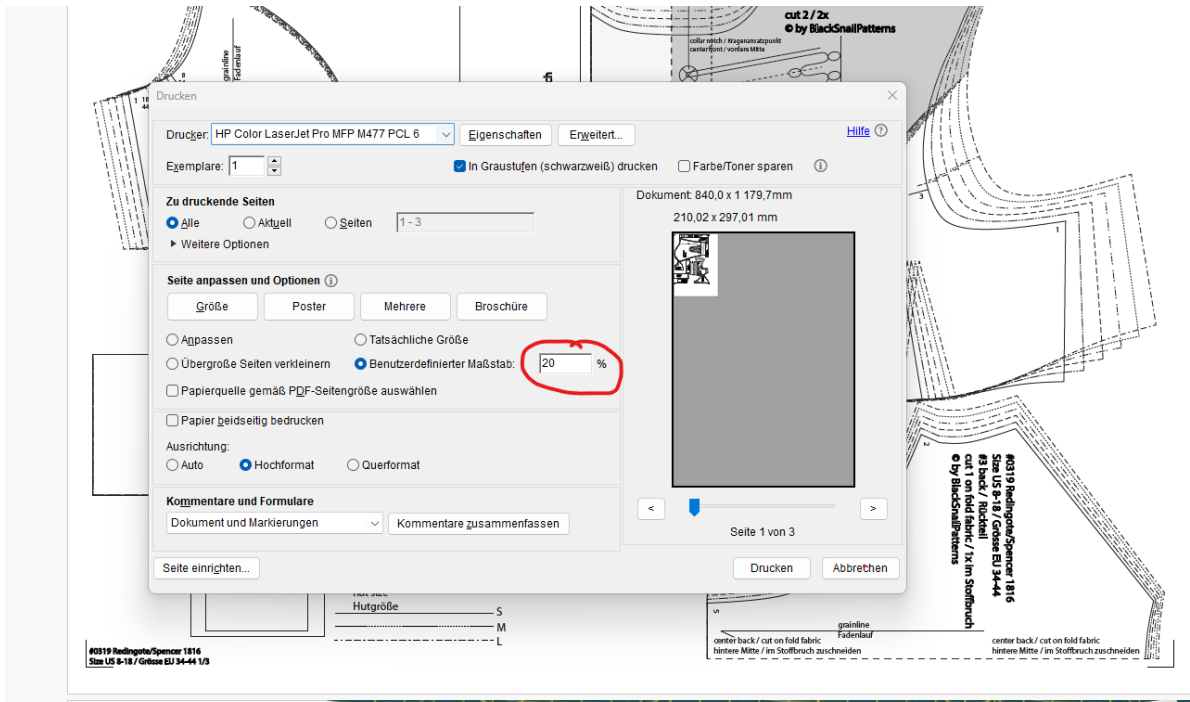


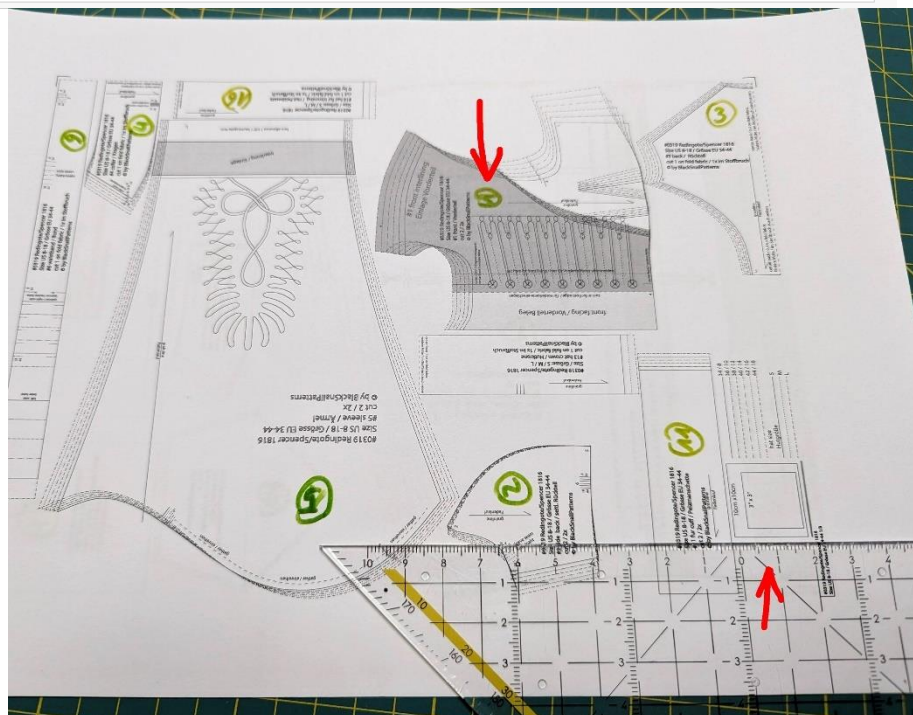
# How do I calculate or measure fabric consumption for different fabric widths, and does the available fabric suffice for my project in my size?

As an illustrative example, I intentionally chose a complex and fabric-intensive pattern, #0319, the Empire Redingote.

**(1)** Print the pattern on A4 / US Letter at a scale of 20%, using the files ending in "\_A0".

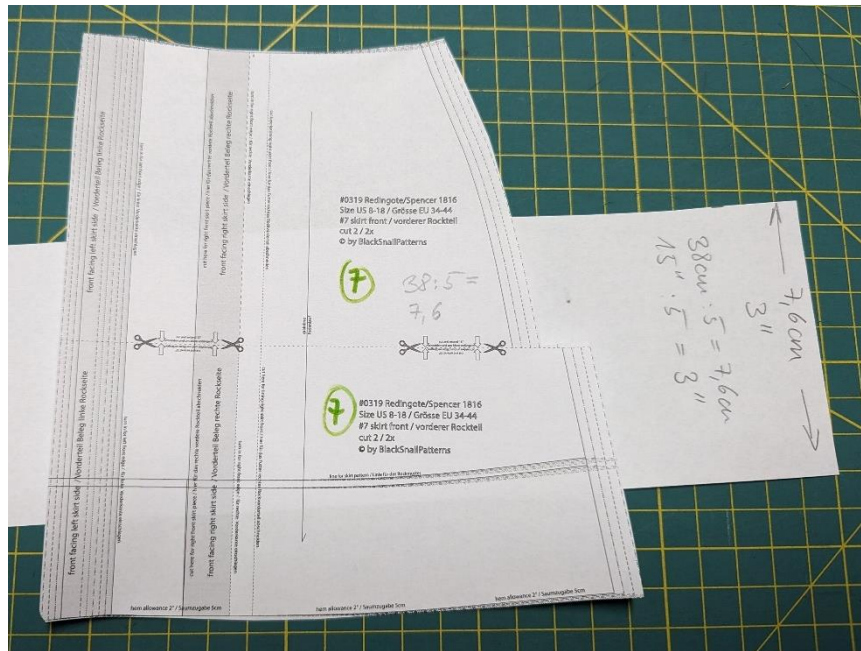


**(2)** Verify the scale (1:5) and clearly label the required pattern pieces.

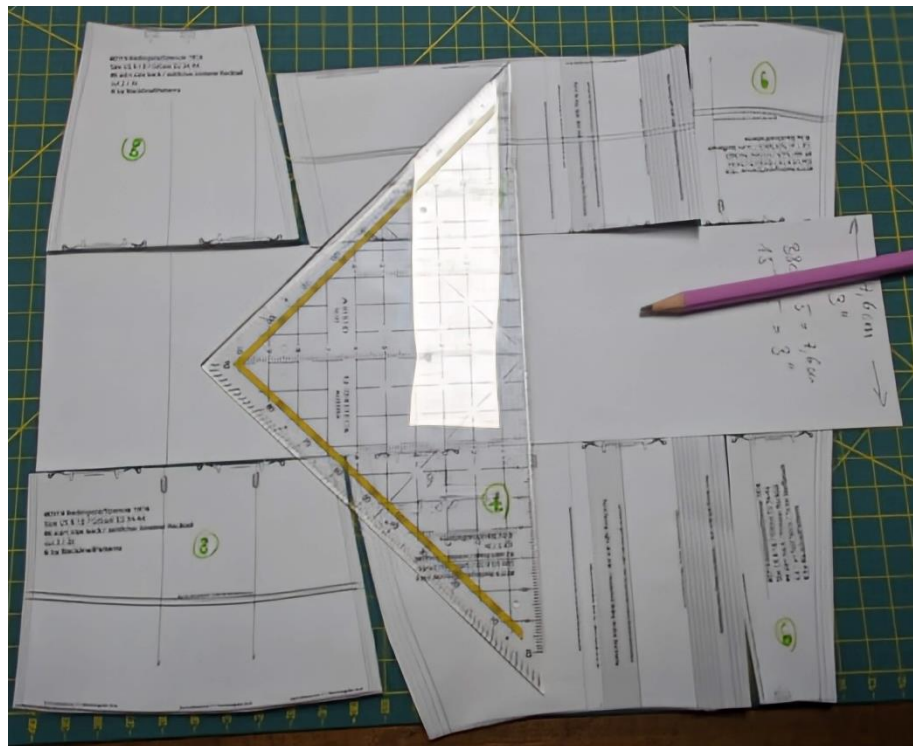


**(3)** Cut out the pieces in your size. It doesn't need to be 100% precise; it is sufficient to roughly follow the corresponding lines since the scale is quite small.

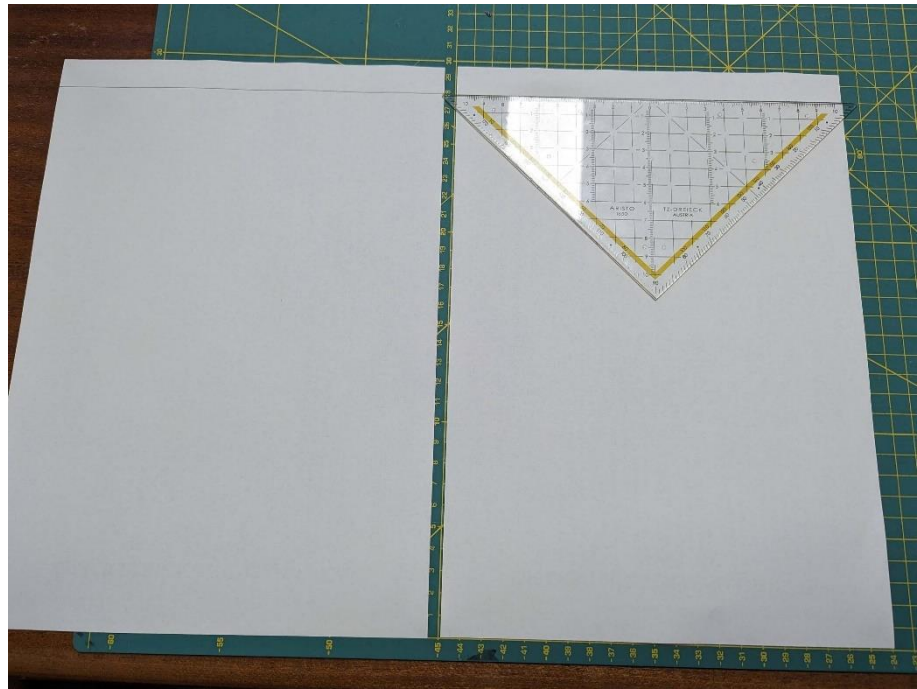
**(4)** For the skirt pieces, just as on the full-sized pattern, you need to insert the shortened part. In this pattern, the skirt pieces were shortened by 38cm (15"). Your calculation is as follows:  $38\text{cm} : 5 = 7.6\text{cm}$  (15" : 5 = 3").



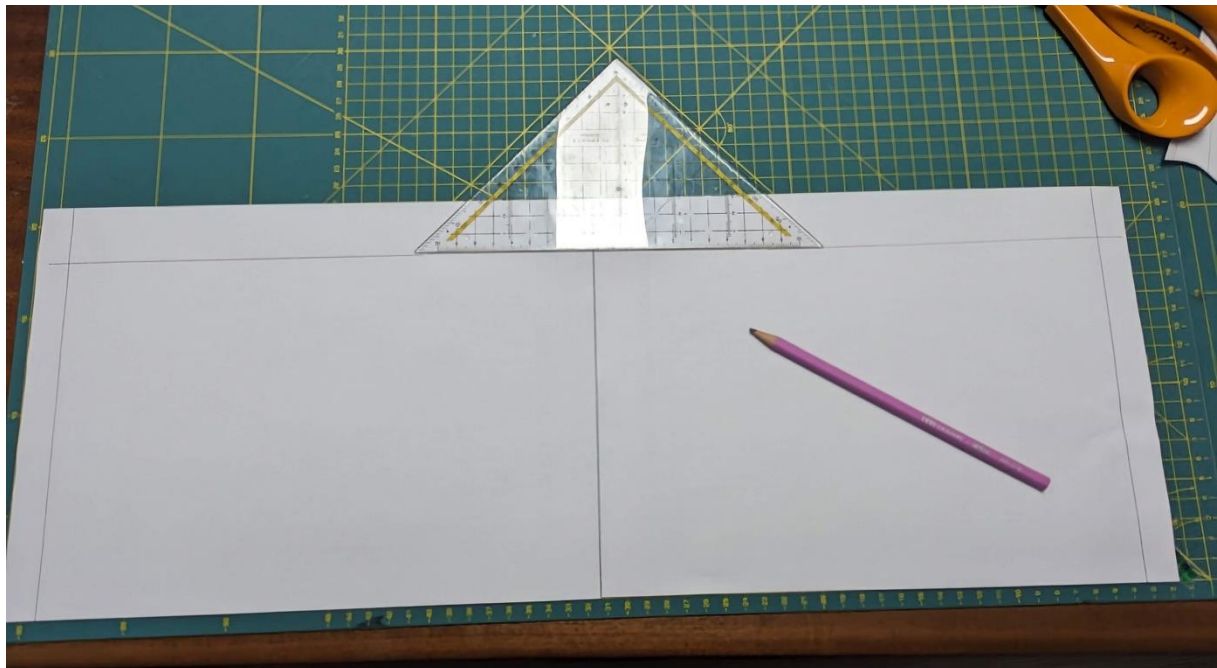
Follow the lines for the grainline while doing this.



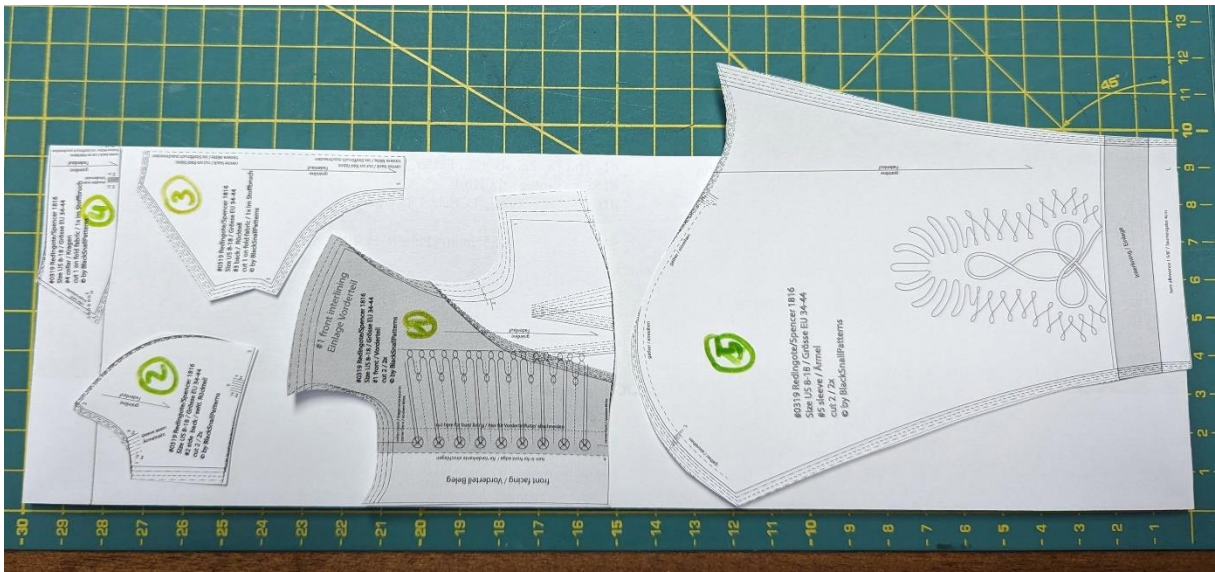
**(5)** Define the width of your fabric. The standard width is typically 135cm - 140cm (53" - 55"), which now corresponds to the amount divided by 5. As an example, let's calculate  $140\text{cm} : 5 = 28\text{cm}$  ( $55" : 5 = 11"$ ). This is approximately the length of an A4 or US Letter page.



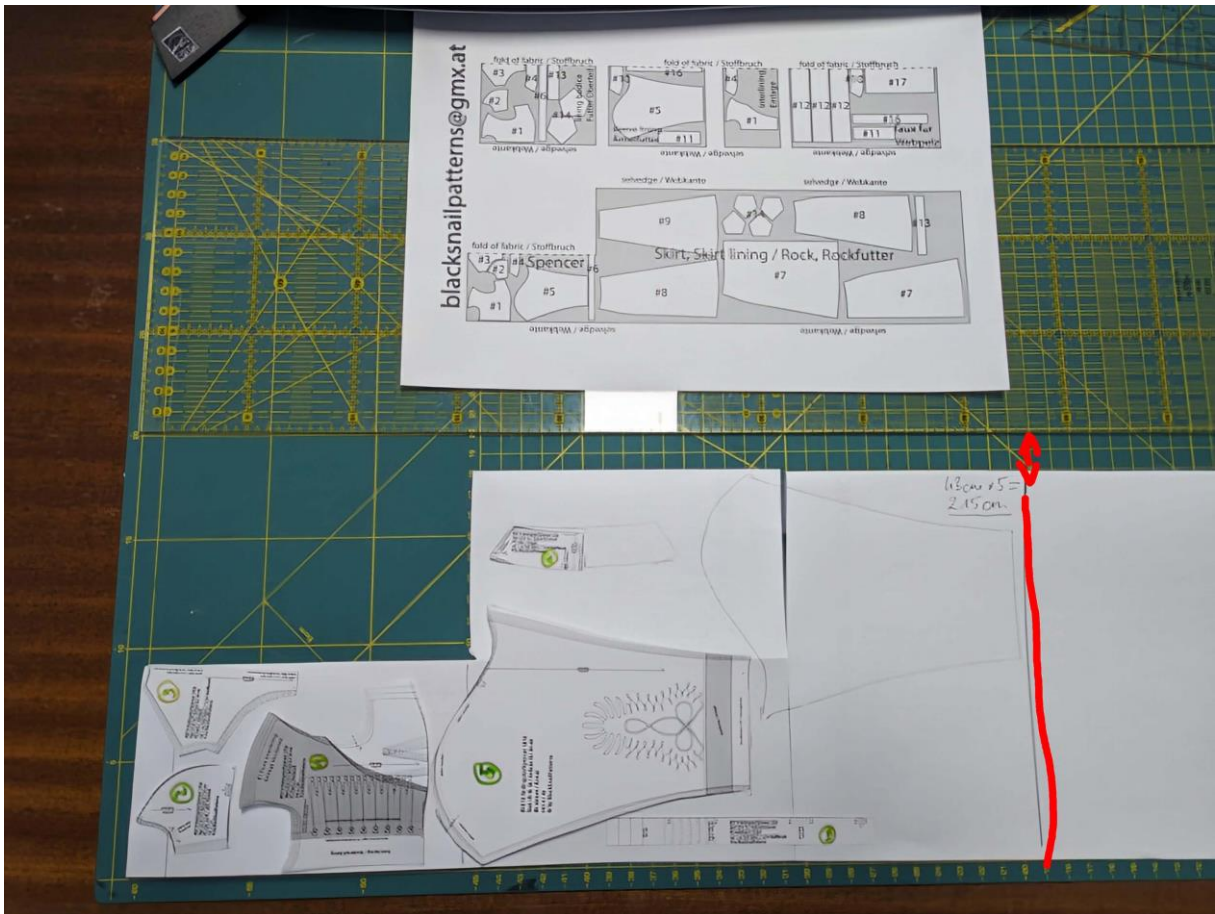
However, let's say we have a fabric width of 90cm (35"). The calculation would be:  $90\text{cm} : 5 = 18\text{cm}$  ( $35" : 5 = 7"$ ). This is approximately the width of an A4 or US Letter page:



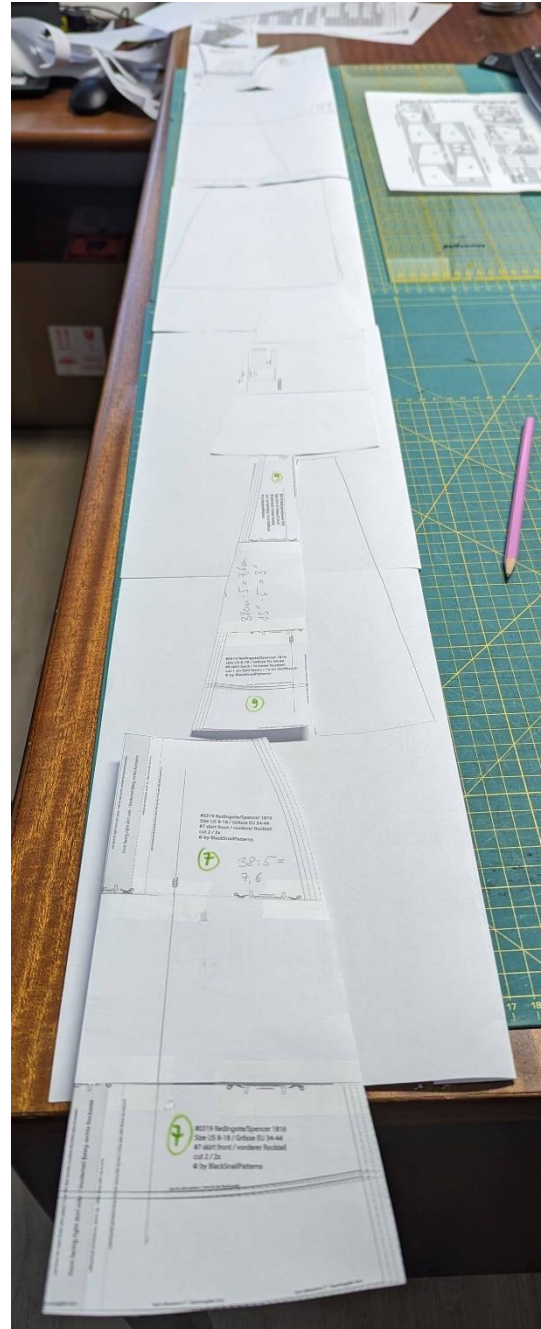
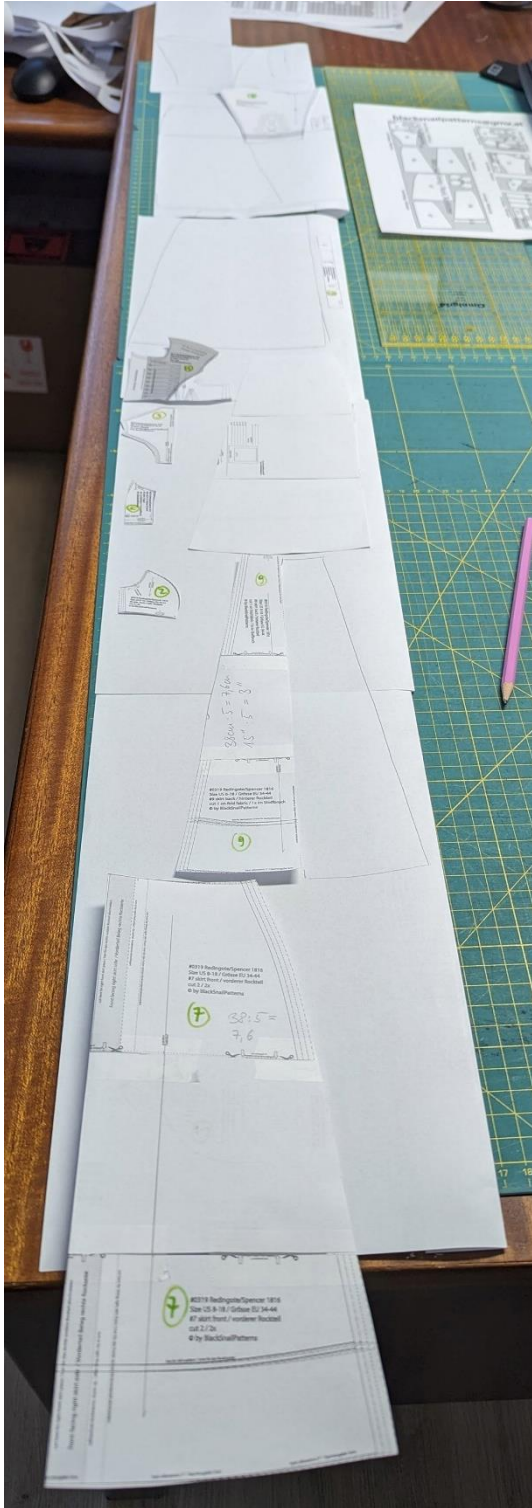
**(6)** Now it's time to puzzle out how the pattern pieces best fit on the fabric. First attempt with the fabric fold, but it doesn't work out.



With one piece unfolded, it looks like this, and we can measure the length, in this case, it's 48cm (19"). So, the calculation is: 48cm x 5 = 240cm (19" x 5 = 95"). For just the top part, we'll need 2.15m (2.35yds) from the 90cm (35") wide fabric.



Now, we not only want to make the Spencer but the entire Redingote, including the skirt part. For this, we need more A4 or US Letter pages, preferably ones that are already printed and no longer needed. Then, it looks like this.



To save some fabric, we can make the bodice from the scraps left from the skirt. Now, we need a total of 5 lengths of A4 or US Letter pages, and we calculate the fabric consumption again:

$147\text{cm} \times 5 = \text{approximately } 7.4\text{m}$  ( $58'' \times 5 = 290''$ , approx. 8.1 yards).