Basic pants pattern-drafting tutorial based on your body measurements

anicka.design

Thank you for using my interactive tutorial. This document contains all the dimensions you need to draft your custom basic pants block, based on your body measurements you provided. Every dimension has been calculated for you—just follow the tutorial step-by-step and start drafting with ease.

You'll also find links to other patterns you might find useful, including the basic bodice, basic sleeve, and full basic pants set.

Your measurements overview

Waist circumference: 90.0 cm

Ease at waist: 1.0 cm

Hip circumference: 103.0 cm

Ease at hips: 2.0 cm

Thigh circumference: 65.0 cm

Ease at thigh: 1.6 cm

Waist to hip length: 25.0 cm

Waist to knee length: 57.0 cm

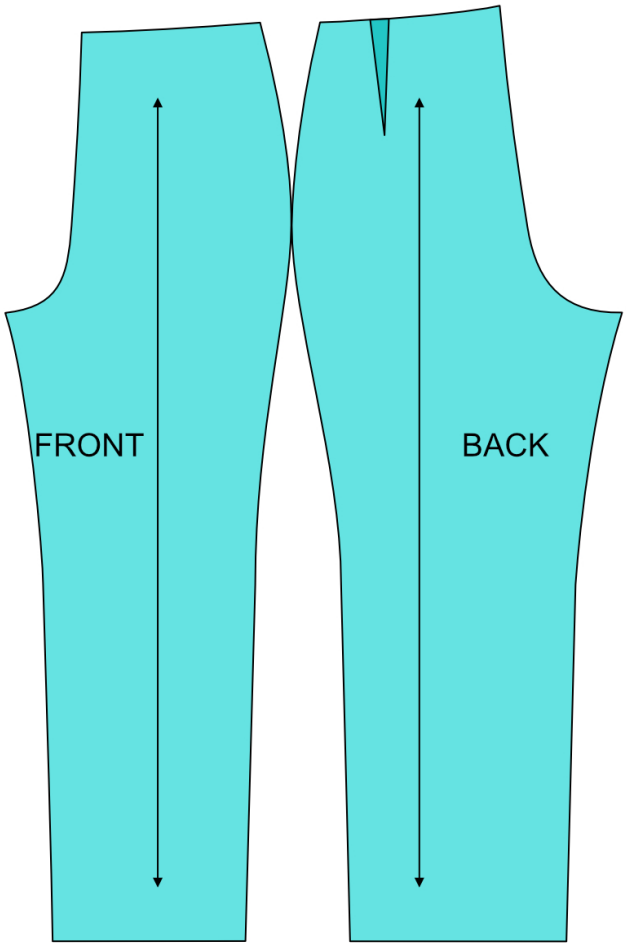
Waist to ankle length: 108.0 cm

Crotch depth: 34.0 cm

Ease at crotch: 3.0 cm

Seam allowance: 2.5 cm

Hem allowance: 2.5 cm

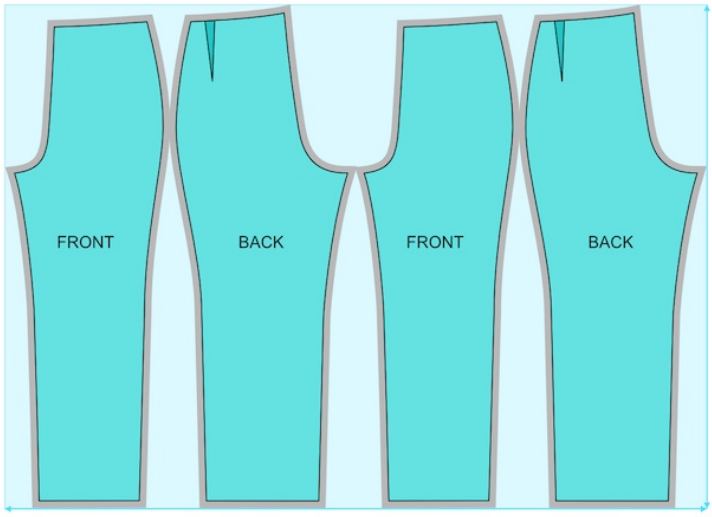


The tutorial uses provided seam and hem allowances only to calculate fabric consumption requirements. The drafting tutorial itself does NOT include seam and hem allowances. Do not forget to add them before cutting the pattern out of the fabric.

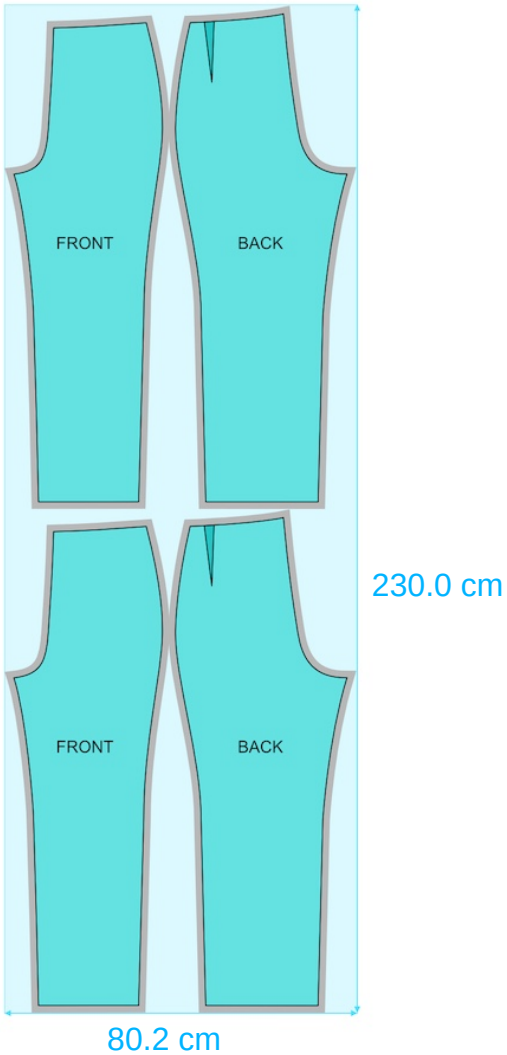
downloaded from anicka.design

Approximate fabric consumption

A



B

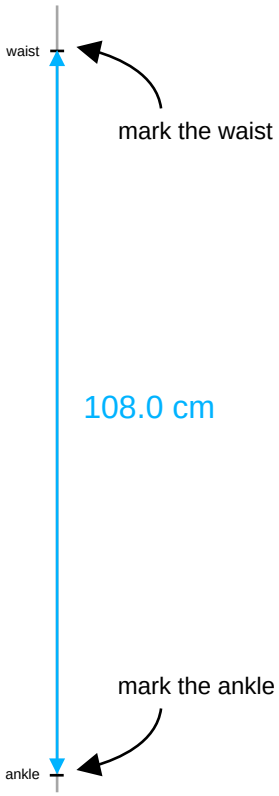


Basic pants pattern
Seam allowance
Fabric consumption

downloaded from anicka.design

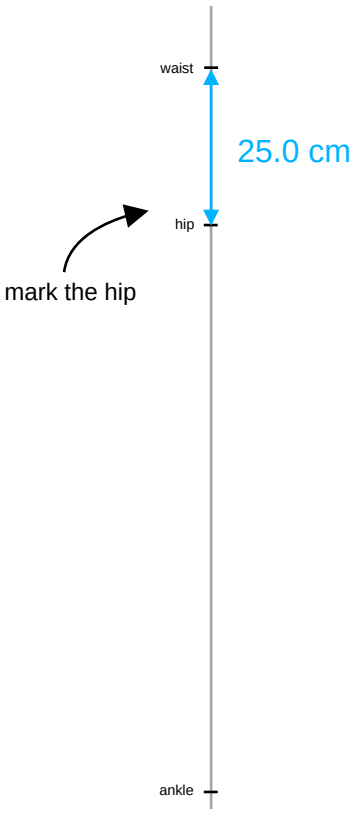
1. Draw a long vertical line.
Mark the waist and waist-to-ankle measurement.

108.0 cm = waist to ankle length



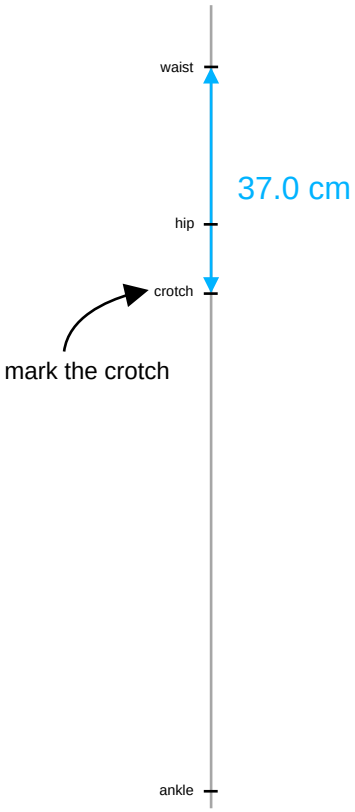
2. Mark the waist-to-hip measurement.

25.0 cm = waist to hip length



downloaded from anicka.design

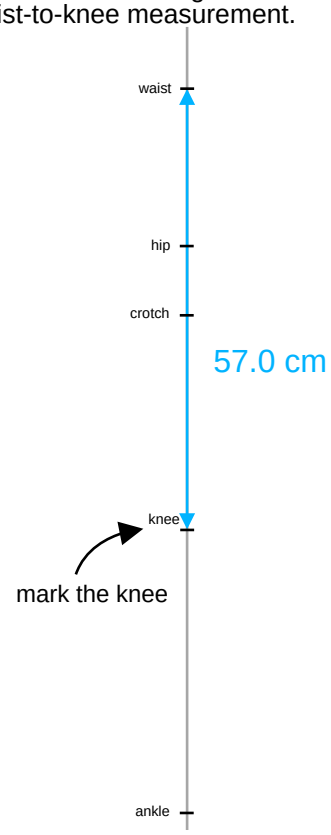
3. Mark the crotch depth including ease.



37.0 cm = crotch depth + ease at crotch

3.0 cm = ease at crotch = 0.5 × ease at hip + 2.0 cm
---
crotch depth = 34.0 cm
hip ease = 2.0 cm

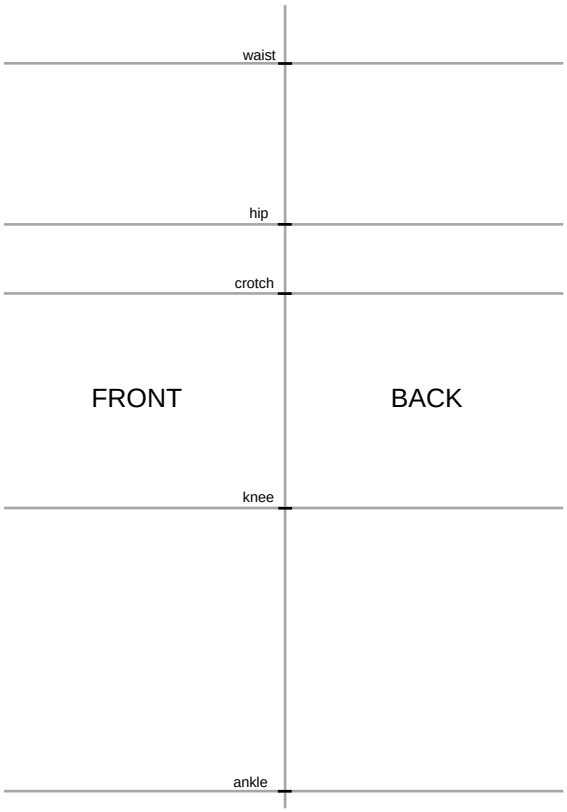
4. Mark the knee line using the waist-to-knee measurement.



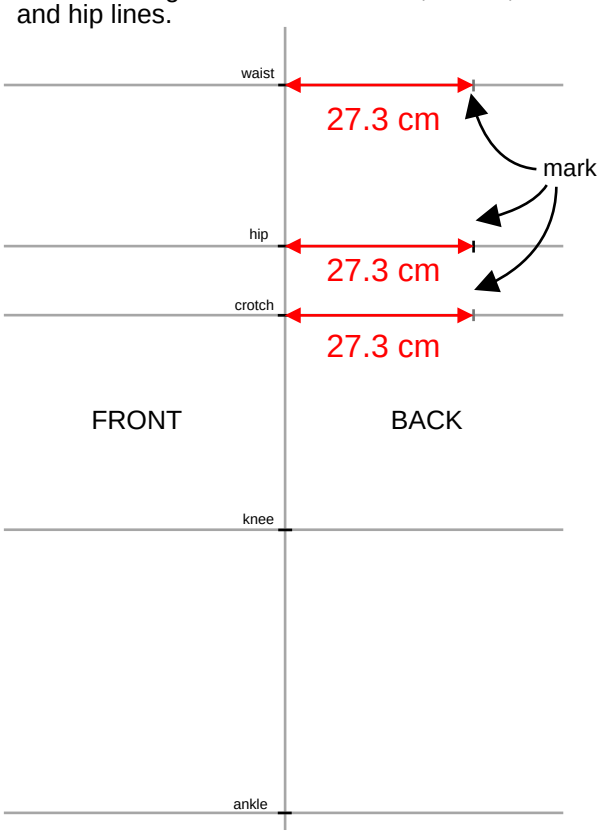
57.0 cm = waist to knee length

downloaded from anicka.design

5. Draw horizontal lines and label the pattern.



6. Draw markings on the BACK waist, crotch, and hip lines.



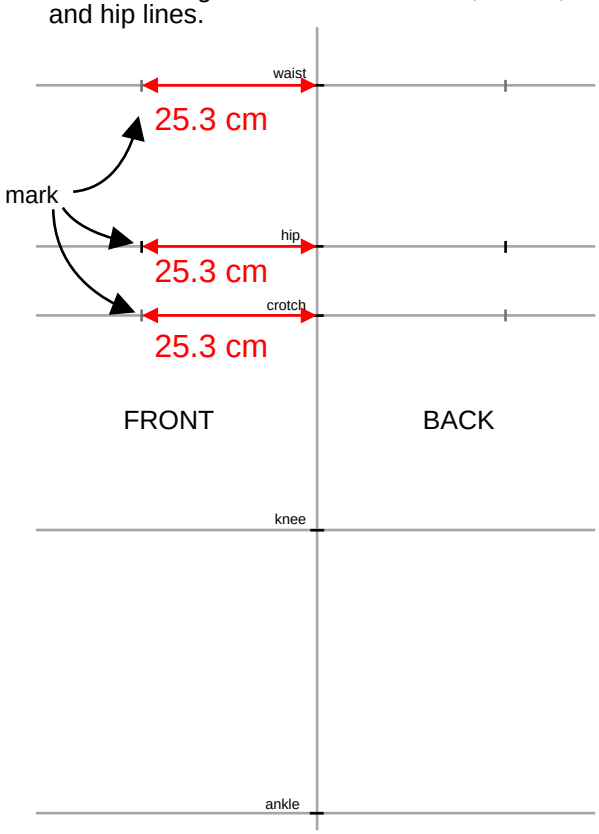
27.3 cm = (hip circumference + ease at hip) / 4 + 1.0 cm

---

hip circumference = 103.0 cm
hip ease = 2.0 cm

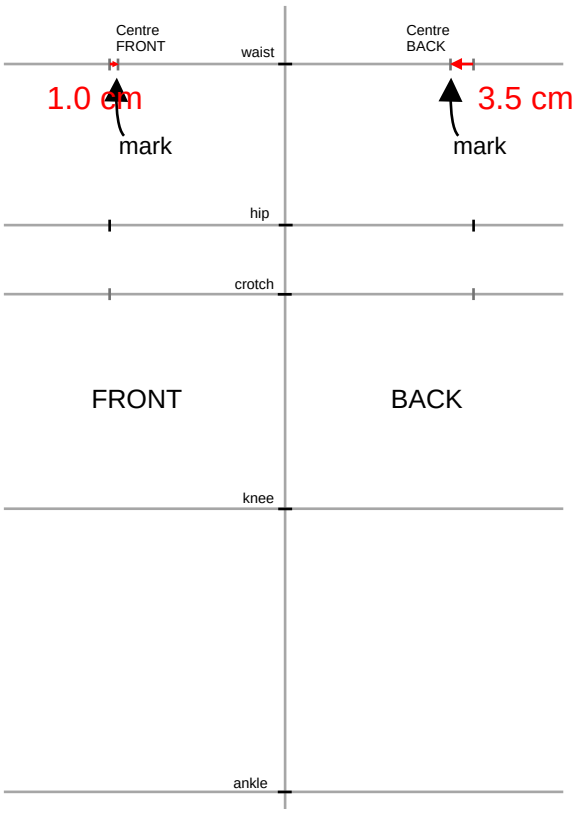
downloaded from anicka.design

7. Draw markings on the FRONT waist, crotch, and hip lines.



25.3 cm = (hip circumference + ease at hip) / 4 - 1.0 cm
---
hip circumference = 103.0 cm
hip ease = 2.0 cm

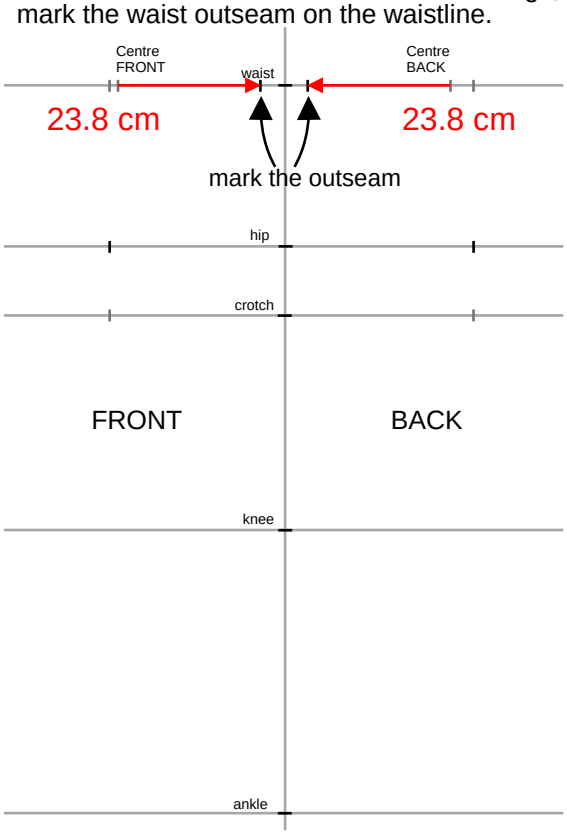
8. Shift the crotch at the FRONT and BACK waist.



centre FRONT shift = 1.0 cm
centre BACK shift = 3.5 cm

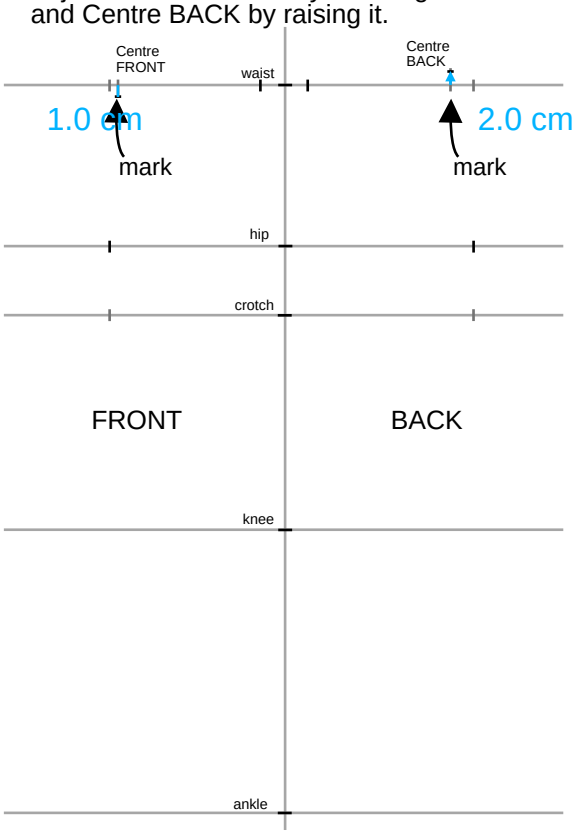
downloaded from anicka.design

9. From the Centre FRONT and BACK markings, mark the waist outseam on the waistline.



23.8 cm = (waist circumference + ease) / 4 + 1.0 cm
---
waist circumference = 90.0 cm
waist ease = 1.0 cm
1.0 cm = half of dart width

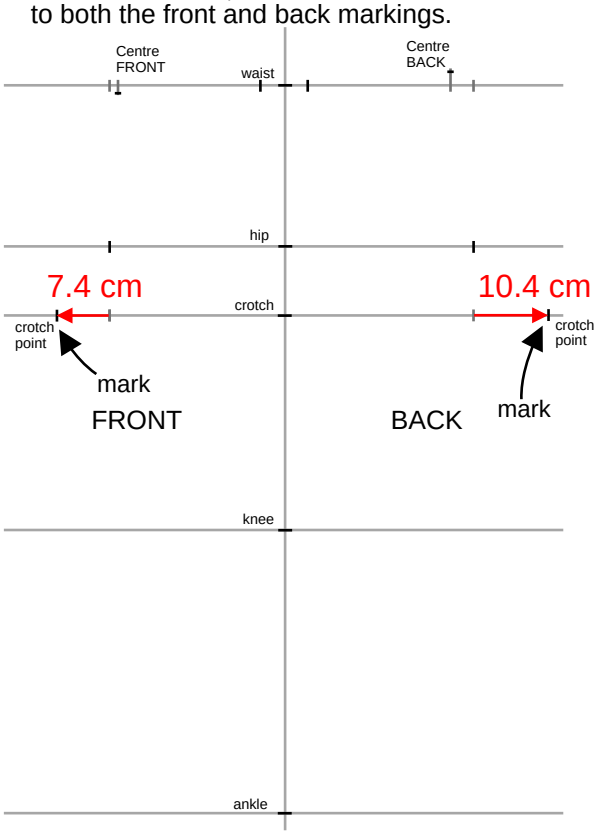
10. Adjust Centre FRONT by lowering it and Centre BACK by raising it.



lower centre FRONT = 1.0 cm
raise centre BACK = 2.0 cm

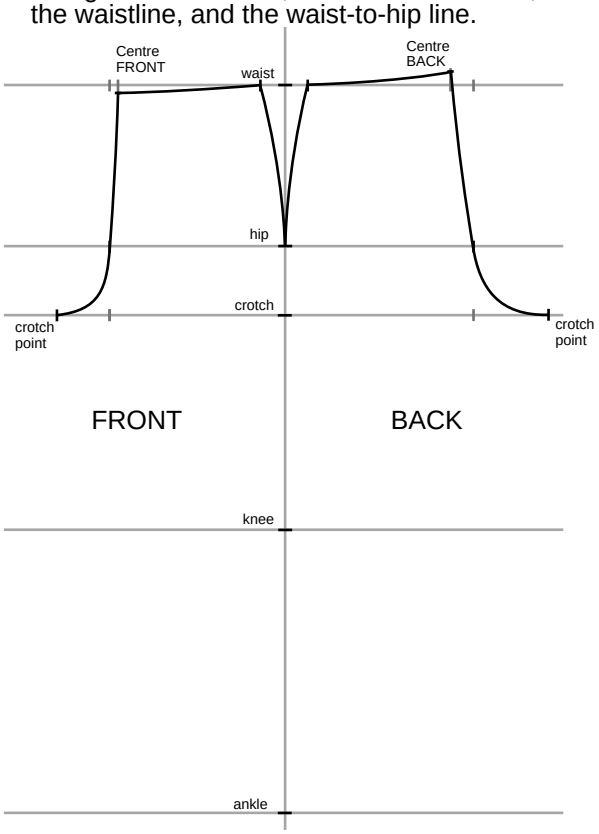
downloaded from anicka.design

11. At the crotch line, add crotch extensions to both the front and back markings.



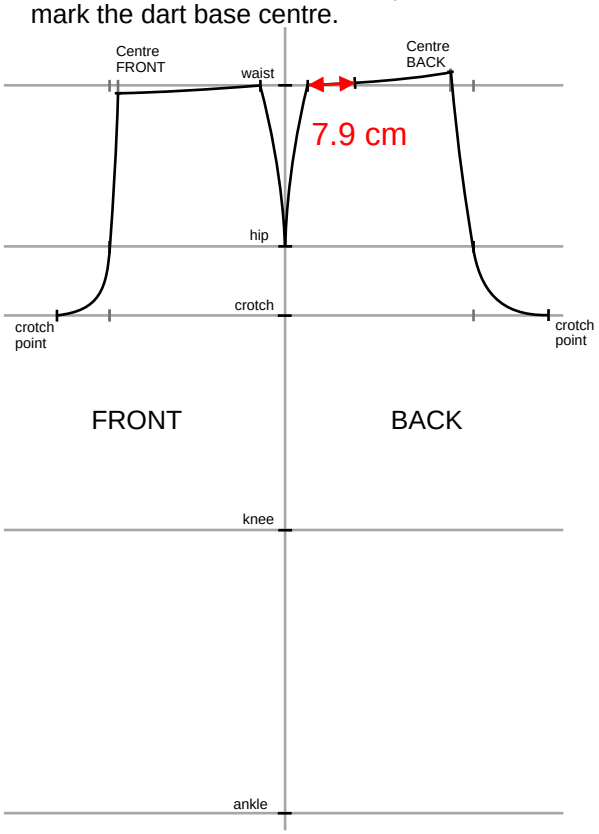
7.4 cm = hip circumference / 14
10.4 cm = hip circumference / 14 + back shift
---
hip circumference = 103.0 cm
back shift = 3.0 cm

12. Using a French curve, Draw the crotch line, the waistline, and the waist-to-hip line.



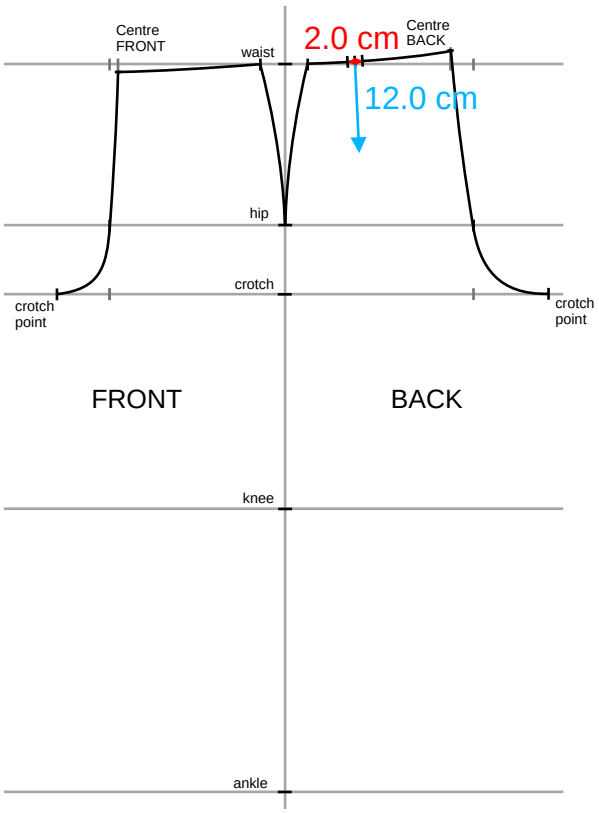
downloaded from anicka.design

13. At 1/3 from the BACK outseam, mark the dart base centre.



7.9 cm = waist length BACK / 3
---
waist length back = 23.8 cm

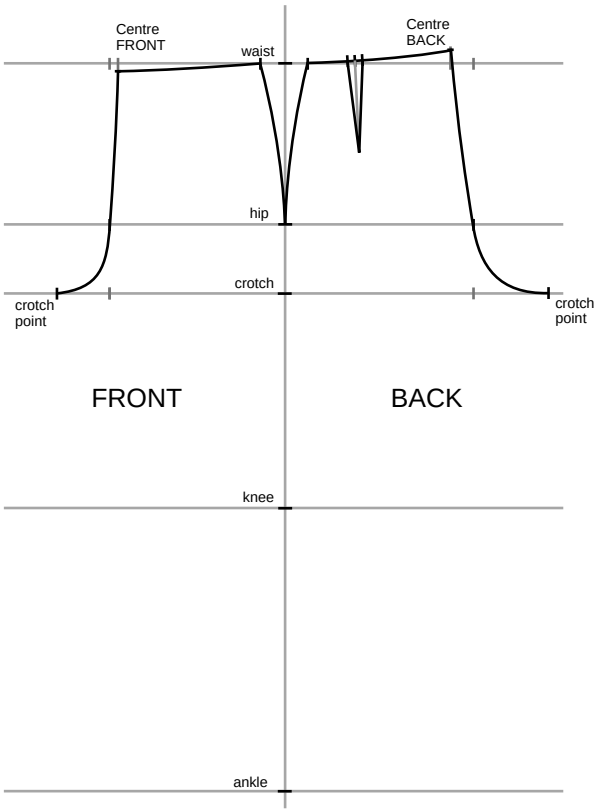
14. Draw the dart base and fold line.



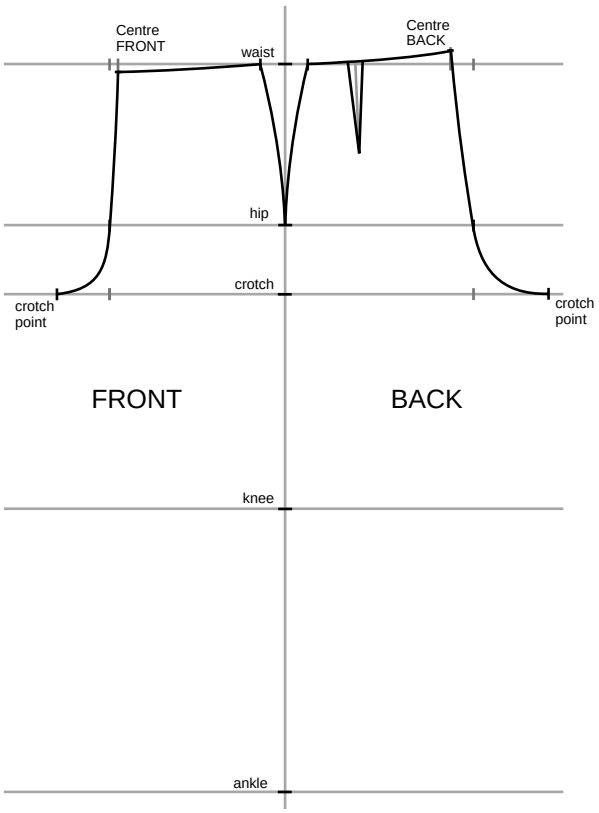
dart width = 2.0 cm
dart length = 12.0 cm

downloaded from anicka.design

15. Draw the dart legs.

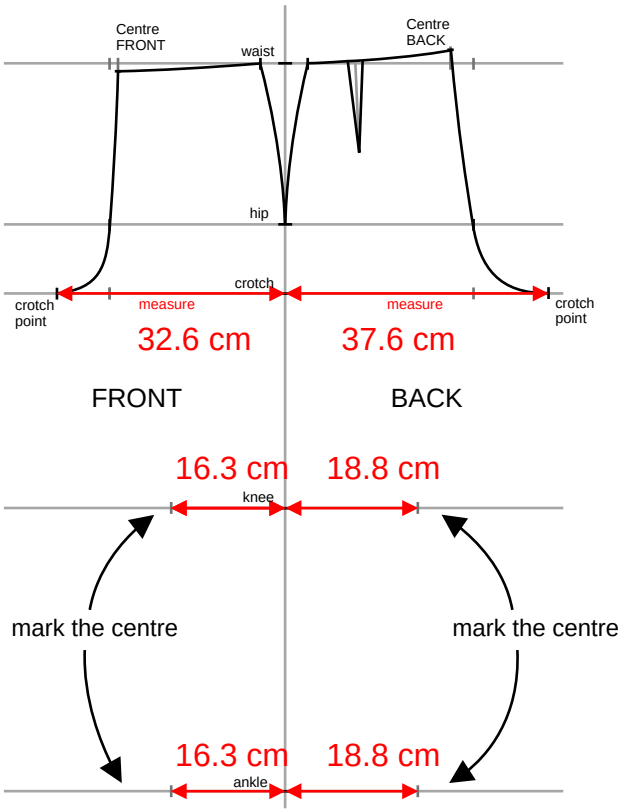


16. True the dart legs by adding to the shorter one.



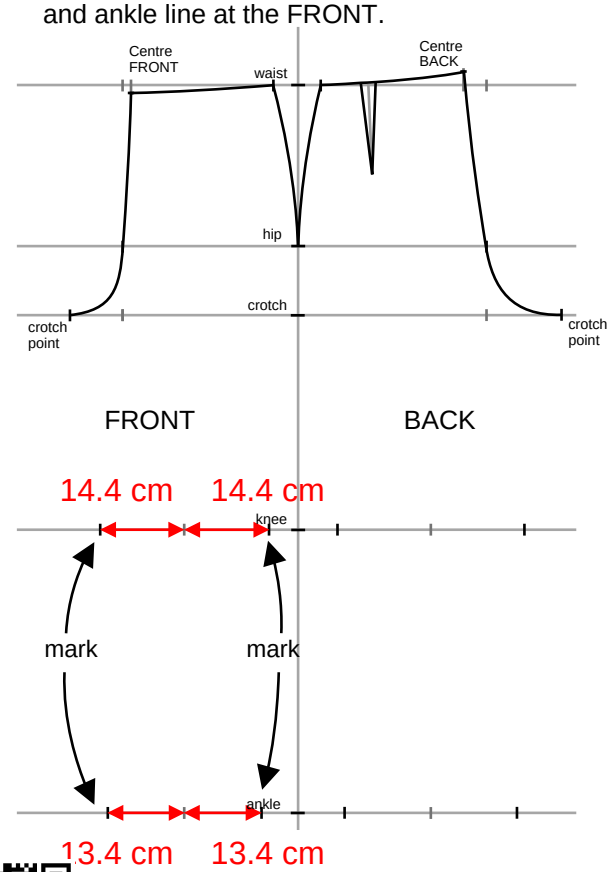
downloaded from anicka.design

17. Locate the centre of each pattern piece.



32.6 cm = crotch width FRONT
37.6 cm = crotch width BACK
16.3 cm = crotch width FRONT / 2
18.8 cm = crotch width BACK / 2

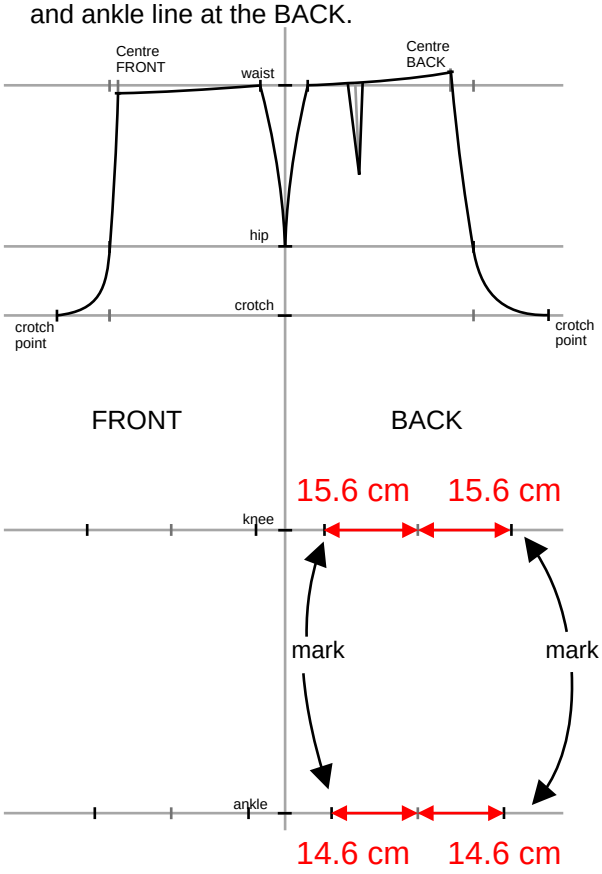
18. Mark the inseams and outseams at the knee and ankle line at the FRONT.



14.4 cm = (thigh circumference + ease at thigh) × 0.9 × 0.47 / 2
13.4 cm = width at knee FRONT - 1.0 cm
---
ease at thigh = ease at hip × 0.8
0.9 = slims thigh fit
0.47 = overall FRONT leg share
2 = halves the leg width
---
thigh circumference = 65.0 cm
hip ease = 2.0 cm
1.0 cm = cuff width reduction for a tapered fit

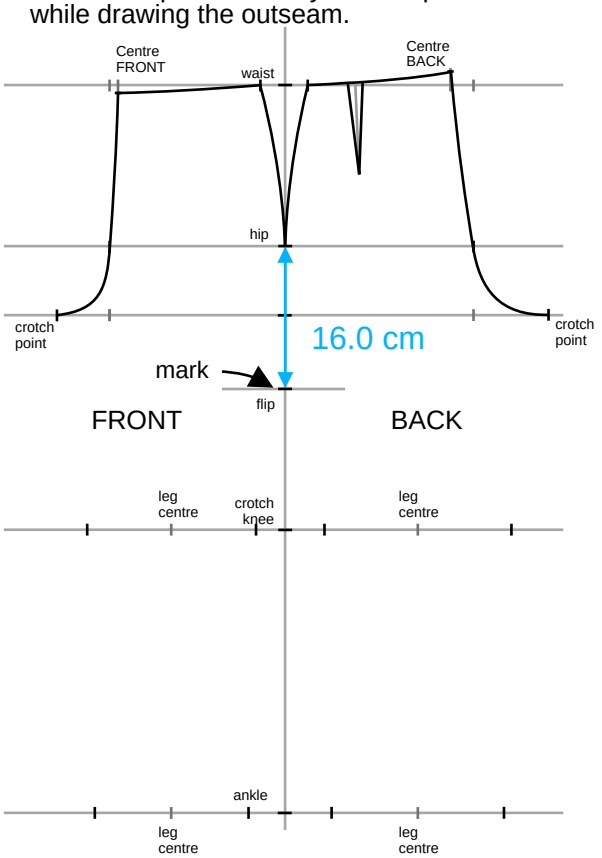
downloaded from anicka.design

19. Mark the inseams and outseams at the knee and ankle line at the BACK.



15.6 cm = (thigh circumference + ease at thigh) × 0.9 × 0.53 / 2
14.6 cm = width at knee BACK - 1.0 cm
---
ease at thigh = ease at hip × 0.8
0.9 = slims thigh fit
0.53 = overall BACK leg share
2 = halves the leg width
---
thigh circumference = 65.0 cm
hip ease = 2.0 cm
1.0 cm = cuff width reduction for a tapered fit

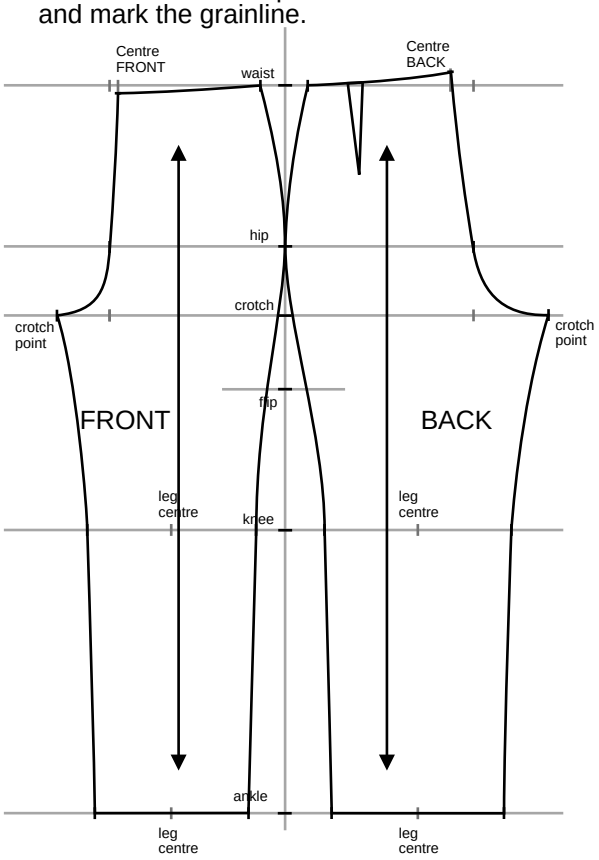
20. Mark the flip line where you will flip the French curve while drawing the outseam.



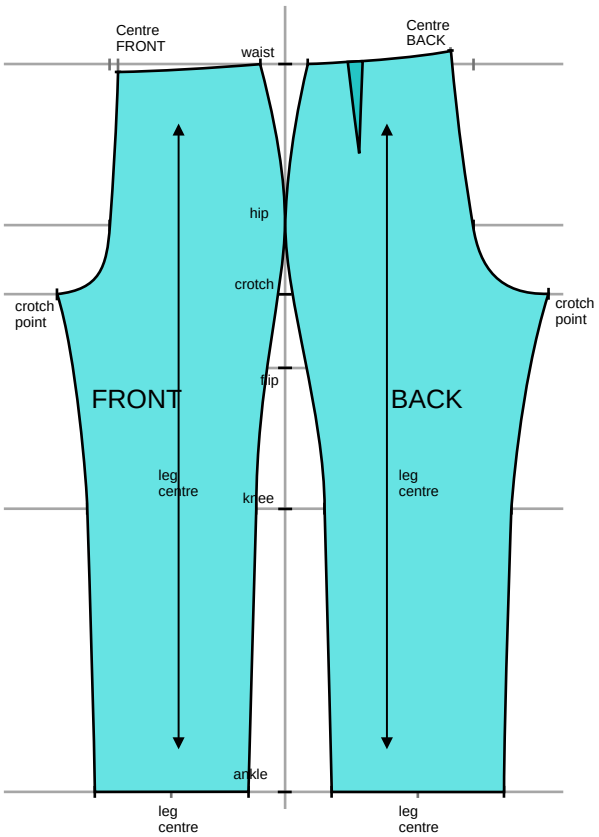
16.0 cm = (hip to knee length) / 2
hip to knee length = 32.0 cm

downloaded from anicka.design

21. Draw the rest of the pattern and mark the grainline.



Your basic pants pattern is complete.



downloaded from anicka.design

Find more information on drafting the basic pants by following the link or QR code below. You can also explore additional drafting tutorials that might interest you:

Learn to draft a basic pants pattern
https://anicka.design/how-to-draft-a-basic-pants-pattern-step-by-step/

Learn to draft a basic skirt pattern
https://anicka.design/how-to-draft-a-basic-skirt-pattern/

Learn to draft a basic bodice pattern
https://anicka.design/how-to-draft-a-basic-bodice-pattern/

Learn to draft a basic sleeve pattern
https://anicka.design/how-to-draft-a-basic-sleeve-pattern/

Draft any type of circle skirt
https://anicka.design/online-circle-skirt-calculator/

downloaded from anicka.design