Drafting Your Panties Basic Block

Waist measurement:	Hip measurement:	Total rise measurement:
66.4	93	68.3

Drafting Instructions	Working it out	Drafting Plan
1. Line A to B Draw a vertical line on your paper equal to the total rise measurement plus 4 cm and multiply this measurement by the Negative Ease Reduction Factor (NERF) NOTE: if your fabric is stable and does not stretch in both directions then you can omit multiplying by the NERF and just use the total rise plus 4 cm for line A to B,	Total Rise = 68.3 + 4 centimetres = 72.3 Multiplied by NERF 0.85 Line A to B = 61.5 NOTES:	A B
2. Mark Point C Mark point C halfway between points A and B	Line A-B = 61.5 Divided by 2 = 30.7 Measure down from point A by this quantity.	A *C B

3. Mark points A to D and B to E Points A to D and points B to E are 1/6 of the total hip measurement plus 2 cm	Total Hip = **93** Divided by 6 = **15.5** Plus 2 cm = **17.5** Measure down from point A by this quantity and mark point D. Measure up from point B by this quantity and mark point E	A D C E B
4. Mark points D to F, G from C and C to H. D to F G from C C to H Are all equal to 1/3 of the measurement D to C	Measurement A to C = **30.7** Takeaway A to D = **17.5** measurement D to C = **13.2** Divided by 3 = **4.4** Measure from point D to F G from C C to H by this quantity.	A D F G C H E B
5. Square out from A By ¼ of the HIP measurement multiplied by the NERF. Mark this point A1 Repeat this for point B and	Hip = **93** Divided by 4 = **23.3** Multiplied by NERF of **0.85**	A1 — A D1 — D F G C

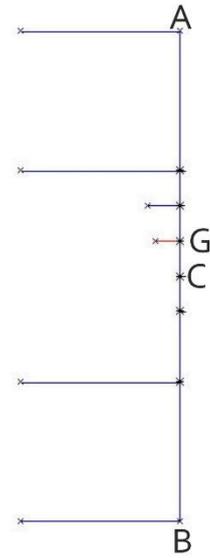|		
mark point B1 This creates the front and back waistline guidelines.	= **19.8** Square out from point A by this quantity and mark point A1 – repeat for point B to B1	
6. Square out from D By the same quantity used above Mark this point D1 Repeat this for point E and mark point E1 This creates the hip guidelines.	**19.8** Square out from point D by this quantity and mark point D1 – repeat for point E to E1	
7. Square out from F By 4 cm -	Set quantity for all sizes **4** Notes: (if you change this set measurement after making your toile then use the notes space to record your personal preference) Mark point F1	A1 ———— A D1———— D —— F G C H E1———— E B1——— B

8. Square out from G By 3 cm -	Set quantity for all sizes 3 Notes: Mark point G1	
9. Square out from C By 3.5cm -	Set quantity for all sizes 3.5 Notes: Mark point C1	
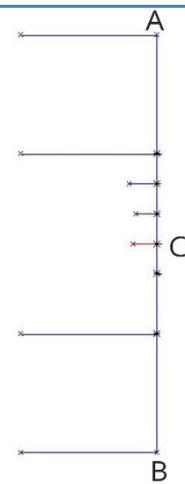
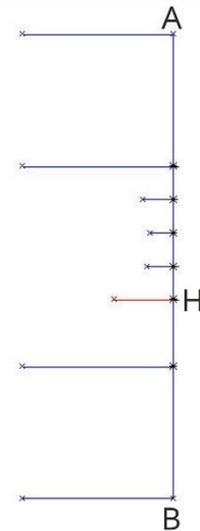|		
10. Square out from H By 1/12 of the total hip measurement.	Hip= 93 Divided by 12 = 7.8 Square out from H by this ammount. Mark point H1	

The basic draft is now complete – now we just need to shape the panties!

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11. Mark a point down from A by 1 to 1.5cm depending on how round your tummy is. (The rounder your tummy the less you need to drop this point – you can also leave this flat) 12. Mark a point up from B by 1.5 to 2 cm depending on how much your back dips in. (The rounder your shape the less you should lower as you need the extra fabric to allow for your curves) Now draw in the waistline curves as illustrated keeping a right angle at centre back and centre front. (illustrated in blue) 13. Mark in from A1 and from B1 by 2 cm call these points A2 and B2 (if you don't have much difference between your hips and waist measurement then you can reduce this amount.) **Please note that the above measurements are guidelines and you can experiment with them to achieve your perfect**	
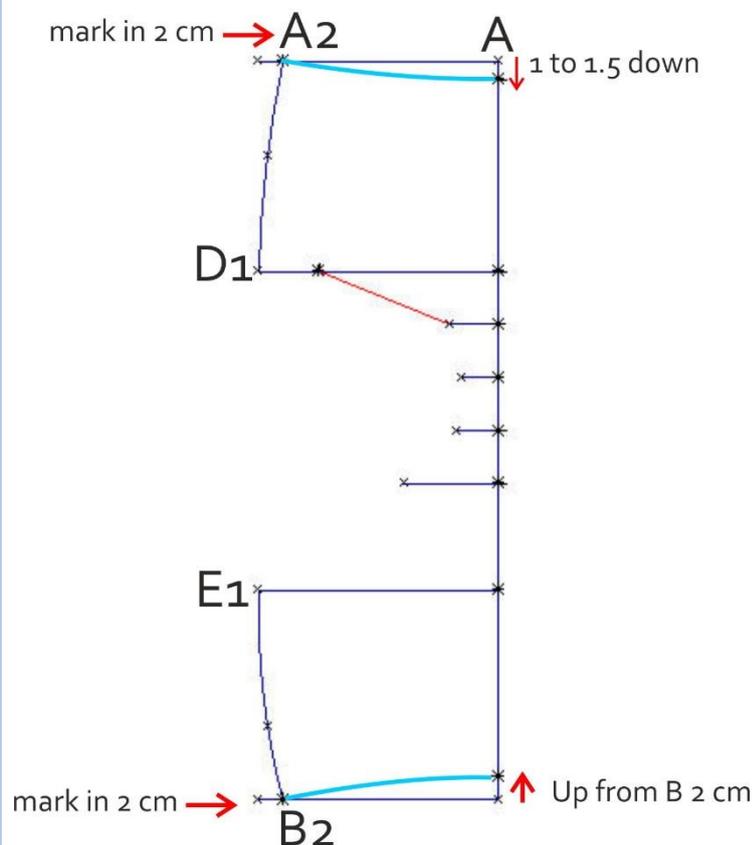
fit.

Connect point A2 to point D1 with a curved line for the hip – do the same for B2 to E1

Shaping the leg curve

14. From point D1 mark a point 5 cm along – call this D2 connect this point with a straight line to point F1

Find the centre of this new line (D2 to F1) and make a guide point 1.5 cm at a right angle upwards. Gently draw in the leg curve.
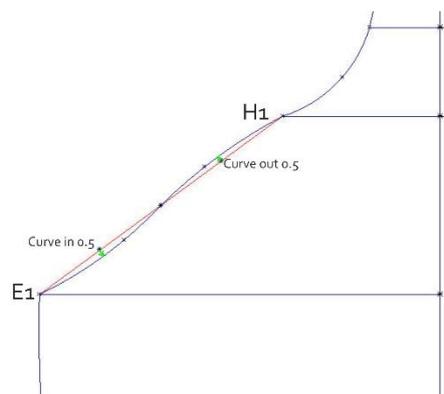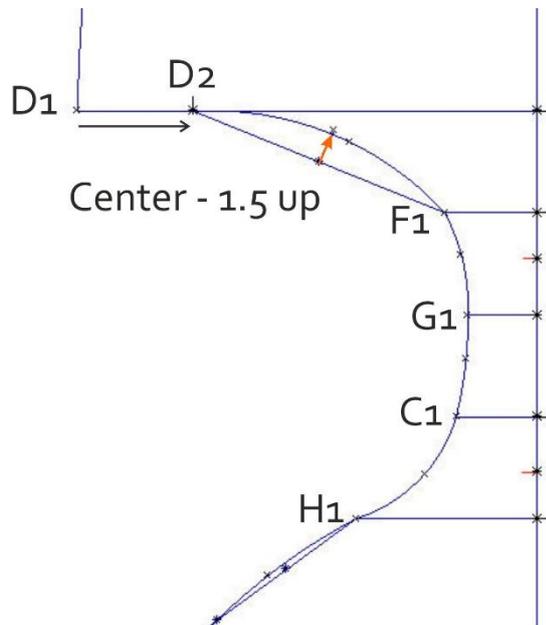
15. **Connect F1 to G1**
With a gentle curve

16. **Connect G1 to C1 and C1 to H1**
With a gentle curve.

17. **Connect H1 to E1**
With a straight line. Divide the straight line into quarters.

Draw a curve to touch the centre as shown to follow the contours of the body.

The flatter your bottom the flatter the line should be.

D1   D2

Center - 1.5 up   F1

G1

C1

H1

H1

Curve out 0.5

Curve in 0.5

E1

Planning the gusset	

18. From point F Mark a point 2 cm down **From point H** mark a point 2 cm up. Gently curve the gusset shaping as shown. **Trace off the gusset piece and mirror on the centre line to create a whole piece.**	 Trace & mirror