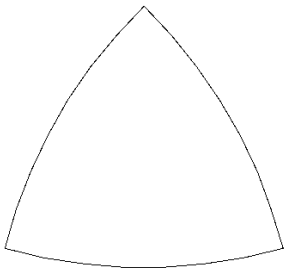
How to make a Roman Army helmet liner

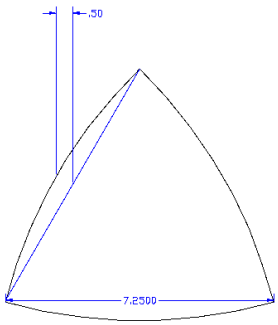
By R. Norton

Start by getting a good piece of felt (crushed wool packed together).
Cut out a template as shown in the diagram.



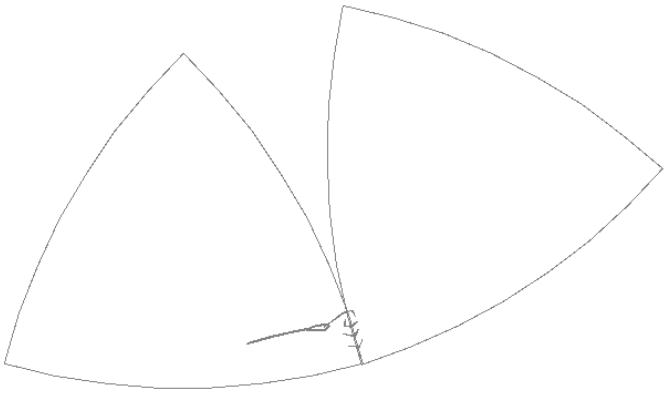
The formula for the size of the template is as follows:
Circumference of head = Internal circumference of helmet – (thickness of felt material X 2) / 4

Make an equilateral triangle with the number obtained, then draw an arc with the center point of the baseline being .5 inches or 1.25 cm.
This is an example:



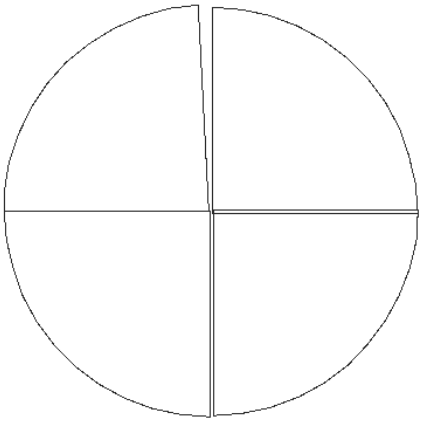
Use the template as a pattern to cut the material into the shape…make four of these.

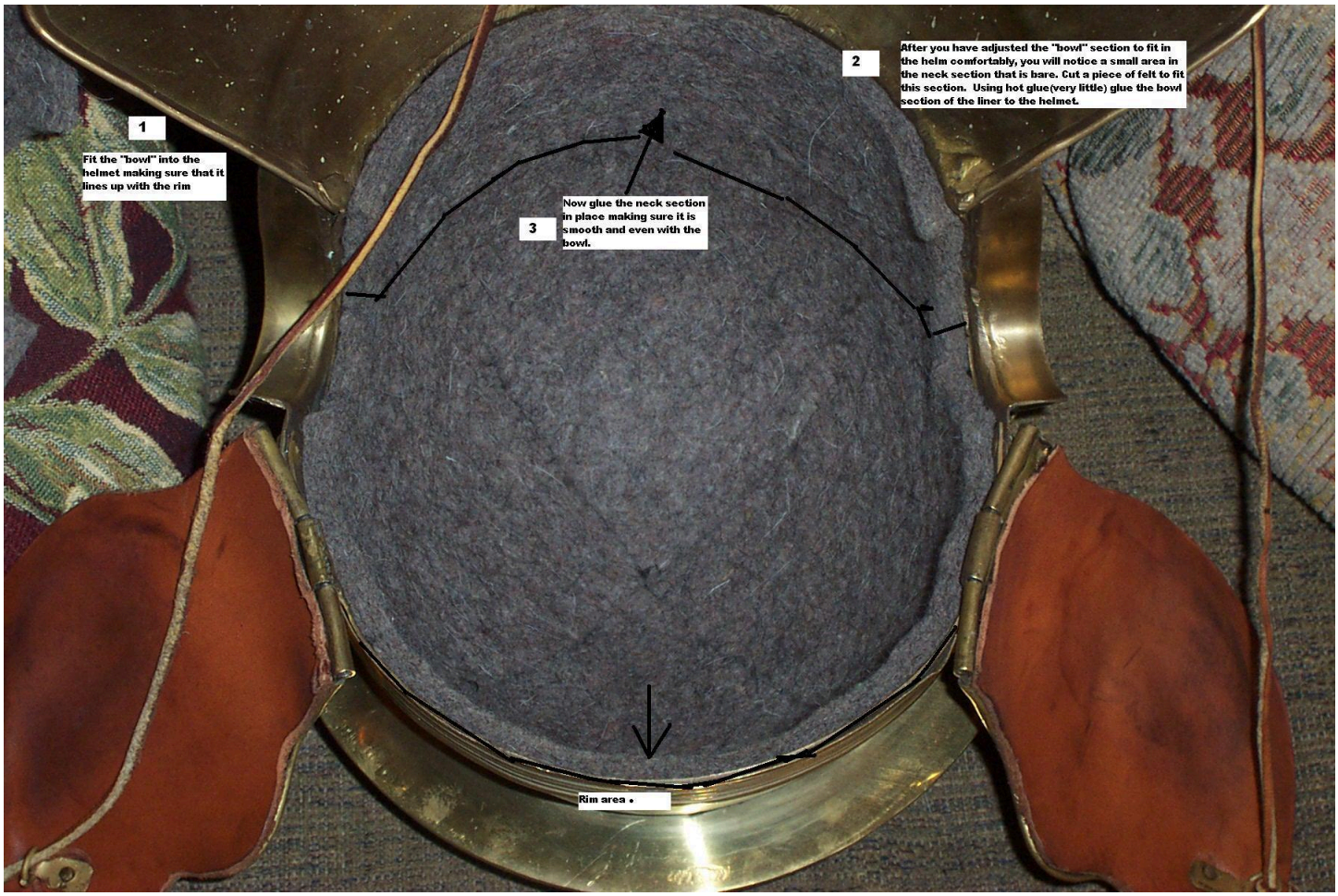
Now sew them together as shown in the diagram.



using the template, measure and cut four pieces of felt. Now sew only the inside portion. as you sew, you will notice that the pieces will form a semi sphere.

Leave the last section of the sphere open the reason for this will become obvious when you place it in the helmet.




1
Fit the "bowl" into the helmet making sure that it lines up with the rim
2
After you have adjusted the "bowl" section to fit in the helm comfortably, you will notice a small area in the neck section that is bare. Cut a piece of felt to fit this section. Using hot glue(very little) glue the bowl section of the liner to the helmet.
3
Now glue the neck section in place making sure it is smooth and even with the bowl.
Rim area .