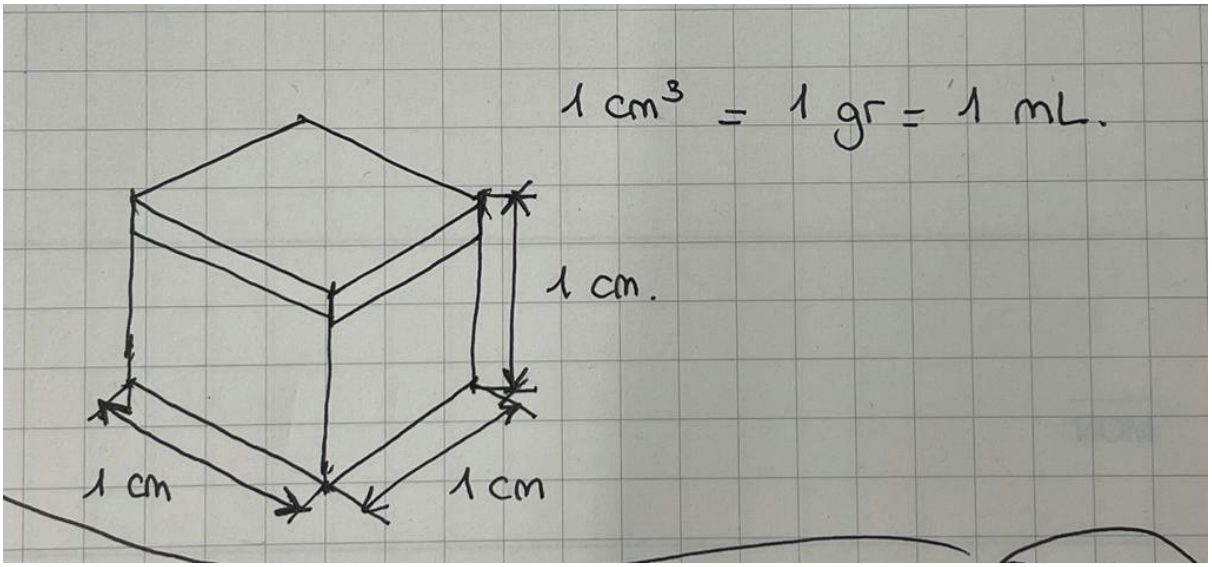
How to reproportion ingredients from a biomaterial recipe

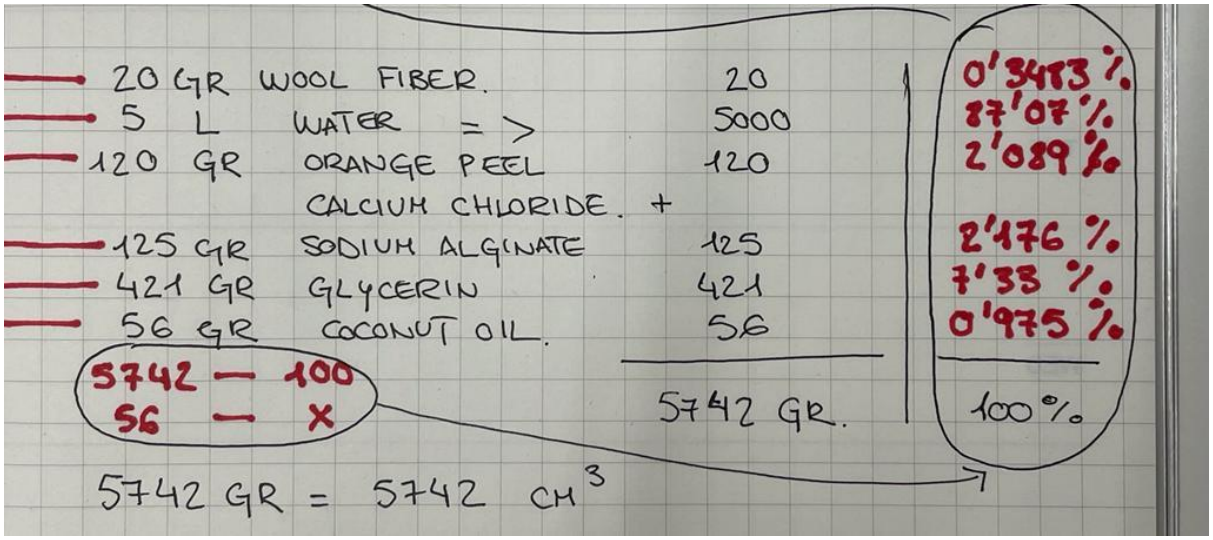
1. The first thing we have to know is: In a 1 **cm x 1cmx 1cm cube**, we have a 1cm3, which is equal to **1 gr**, and is equal too to **1 mL.**



2. Knowing this, we have a basic recipe with gr and L. We can **transfer the liters to ml**, and once we have everything in grams and millimeters, we add everything equally.

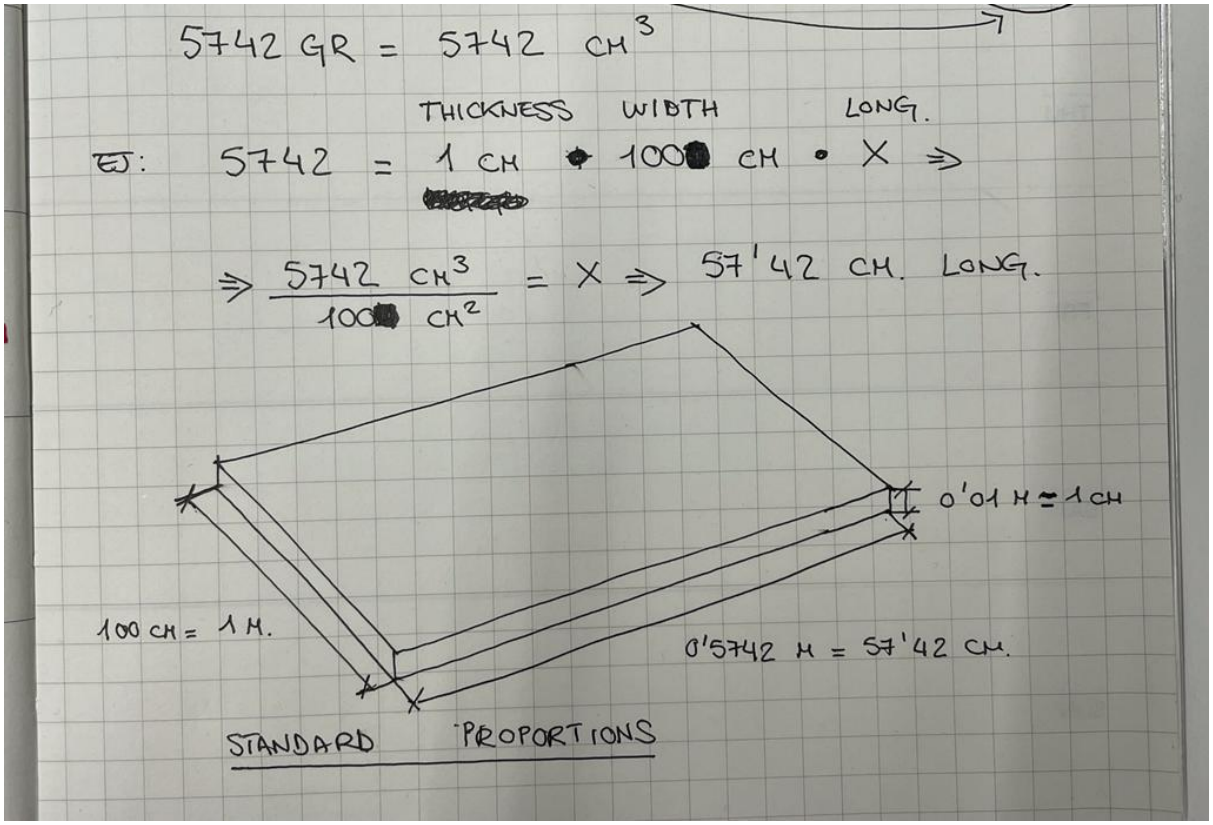
   In this case we have a recipe of **5742 gr or ml** (as we want to consider it) and this is **100%** of the initial recipe.

   Knowing that 5742 gr is 100% of the recipe, we are going to **calculate (with a simple rule of 3) the percentages of each ingredient** has in the recipe. (The more decimal numbers we write down, the more precise the recipe will be).

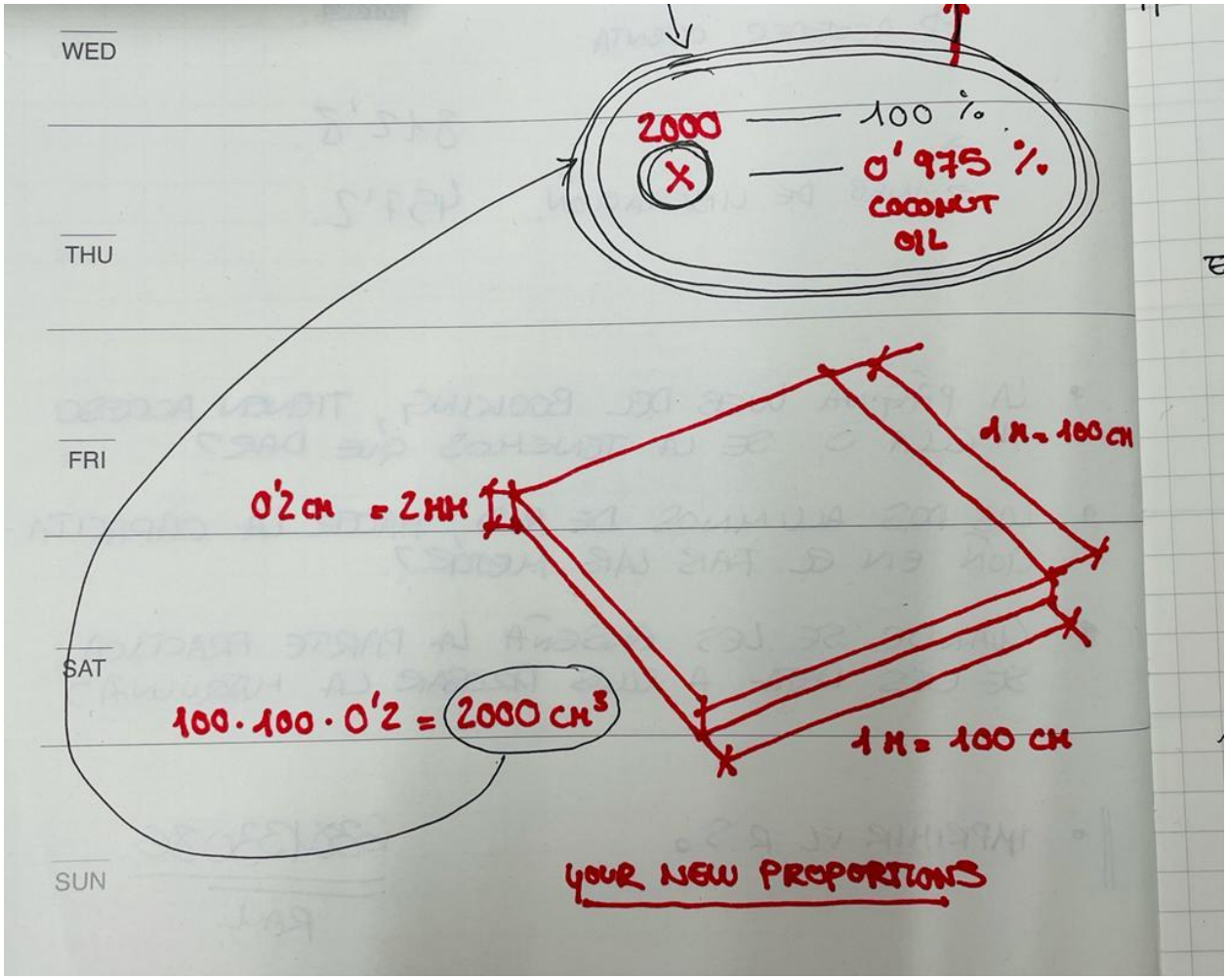


3. To get an idea of what this recipe is in measurements, I have considered (hypothetically) that this bioleather is 1 cm thick, by 1 m (100 cm) long, but I don't know how wide the bioplastic is.

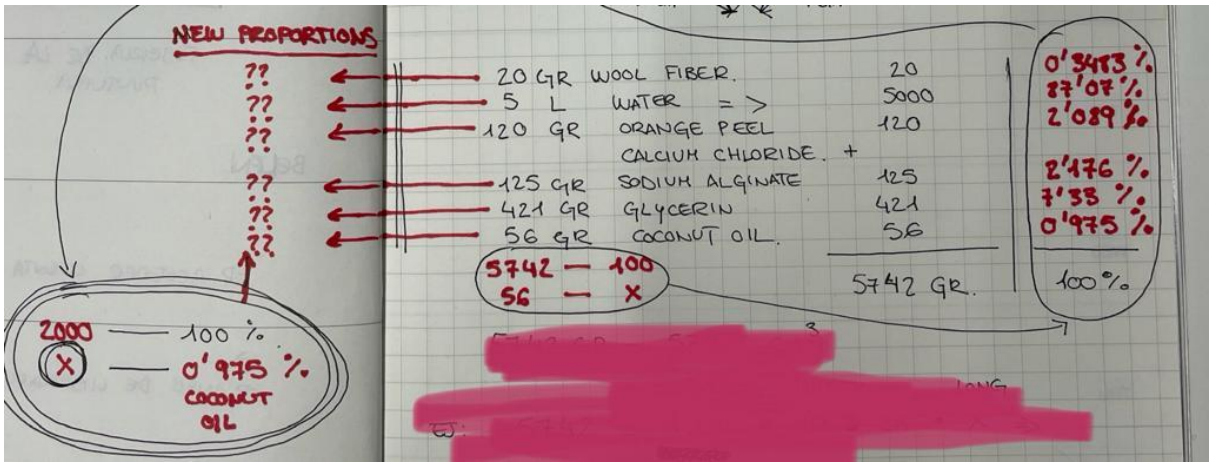
   So, I consider the equation, where the unknown is the width. And when clearing it, I see that this bioplastic for a 1 cm thickness has to be 1 m long by 57.42 cm wide.



4. So, in the event that you want to make a bioplastic mold with (an example) measure of 2 mm (0.2 cm), by 1 m wide (100 cm) by 1 m long (100 cm). You need a bioplastic mix of 2000 gr or ml or cm3.



5. Knowing that the 2000 gr, ml or cm3 is going to be 100% of your mix. Now, as you know what the percentages of each ingredient are, you have to **make a rule of three** for **each of the ingredients using the percentages**.



That´s it! ^^