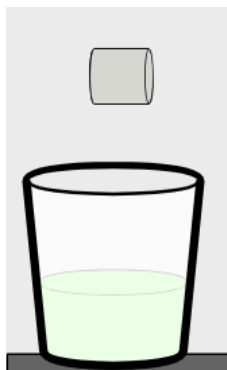


Final Temperature of a System

Step 1: In the pictures below, fill in all the information you are given about the objects that make up your system before the objects are mixed and after they are mixed.



Step 2: Set up your equation where you set your heat gained by the cooler object equal to the heat lost by the hotter object. Then work through the algebra to get the final temperature. If your final temperature is not between the temperature of the cooler object and the temperature of the warmer object, check your math for errors. Show your work neatly below

Step 3: Use the final temperature that you just found to calculate the heat that was transferred from your solid to your liquid. Show your work neatly below. Enter your answers into the program to see if you did everything correctly.