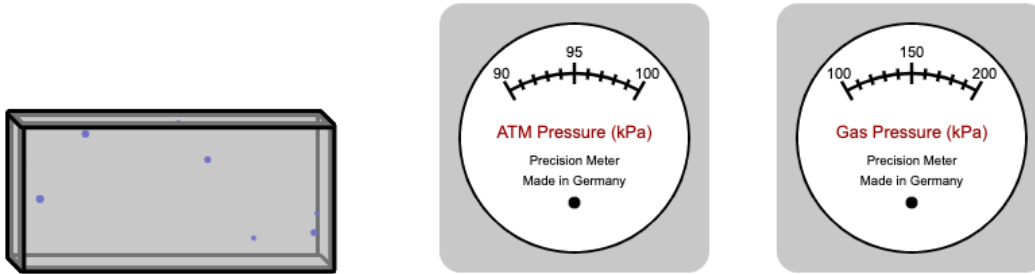


Force on Lid of Confined Gas

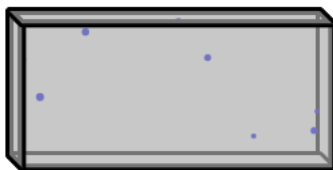
Step 1: Draw in the dimensions of the box and show the needles for the pressure meters given below



Step 2: Show your calculation for the area of the lid of the container neatly in the space below.

Step 3: Show your calculation for the force on the lid from both the atmosphere and the confined gas in the space below

Step 4: Show the directions of the two forces that you calculated in step 3 in the space below



Step 5: Calculate the net force on the lid and then enter your answers into the program to make sure that you did everything correctly