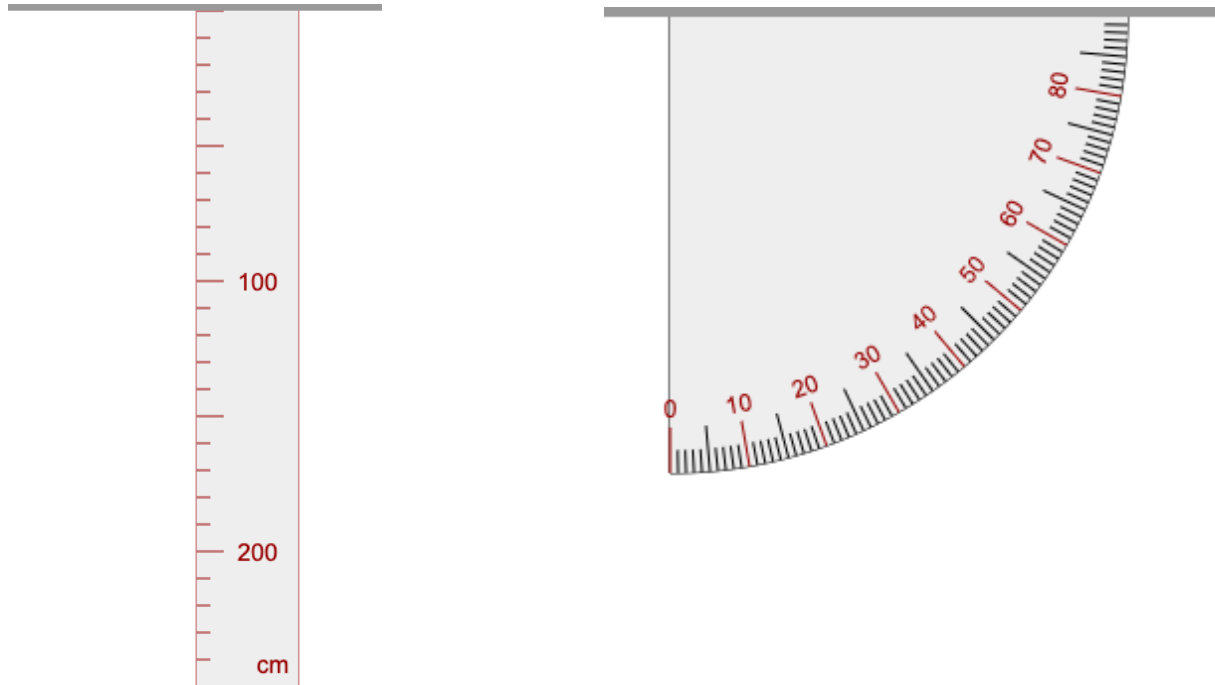


Energy of Displaced Pendulum

Step 1: Draw in your pendulum when it is hanging straight down. Make sure you draw it to the proper length as shown in your program. Then draw it displaced to its maximum angle as shown in your program. Record all the important information for your pendulum below.



Step 2: Calculate the change in height of the pendulum as you pull it from hanging straight down to its angle of maximum displacement. Show all your work neatly below.

Step 3: Use this change in height to find the PEG of the pendulum at maximum displacement and then use that to find the speed of the pendulum bob at the bottom of its swing. Show all work neatly below and enter your answers into the program to show that you did everything correctly