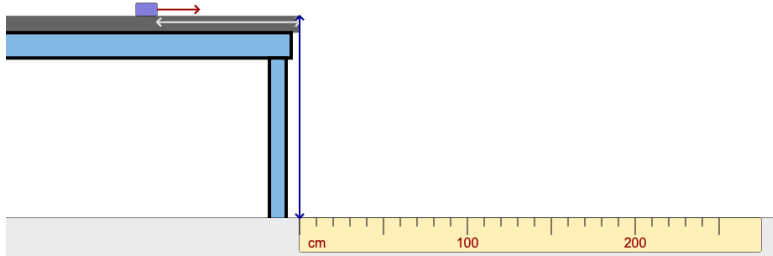
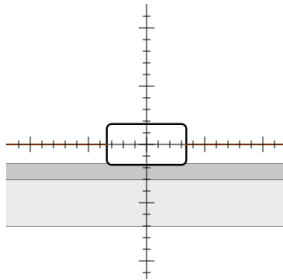


Friction to Projectile Problem

Step 1: Label all the information in the picture below



Step 2: Complete the free body diagram for the block sliding along the table. Show your calculations for all the forces neatly below



Step 3: Find the acceleration of the block and then calculate the speed when it reaches the end of the table. Show your calculations neatly below

Step 4: Focusing on the block once it leaves the table, calculate the time it will spend in the air and the distance it will travel horizontally before hitting the floor. Enter your answers into the program to make sure you did everything correctly