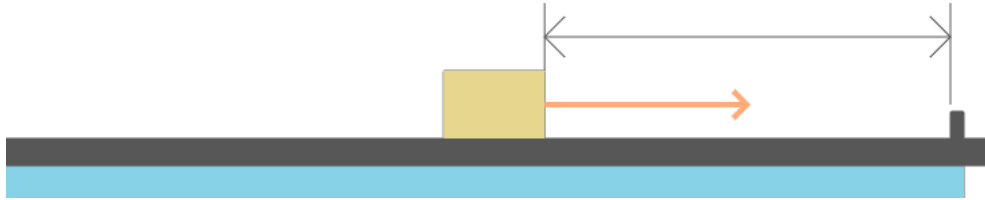
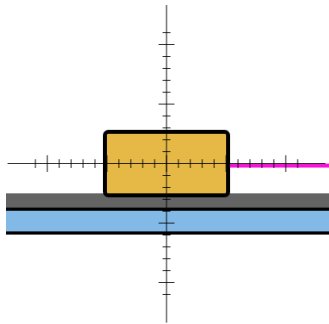


Time to Traverse Table with Friction

Step 1: Fill in all the important data for your system.



Step 2: Draw the free-body diagram for the block on the table. Calculate the values of all the forces. Show your work neatly below



Step 3: Find the net force on the block and then use that to find the acceleration of the block. Show your work below

Step 4: Use your equations of motion to find the time it takes the block to move across the table and its speed when it reaches the end of the table. Show your work and then enter the answers into the computer to see if you did everything correctly