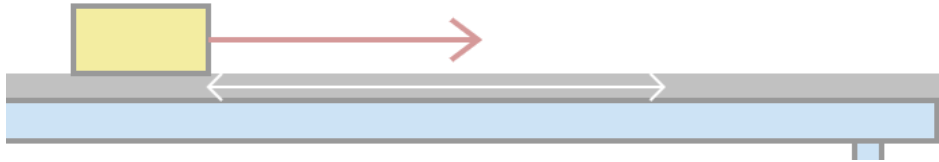
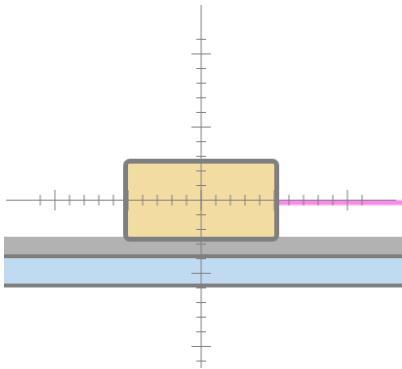


Work (Horizontal Force with Friction)

Step 1: Fill in all the information from your program into your picture



Step 2: Draw in the four forces that are acting on the block and then show your calculations for the three that are not given to you directly in the program



Step 3: Calculate the work done by tension the block from the spot shown in the program through the distance indicated in the program

Step 4: Calculate the work done by friction in moving the block from the spot shown in the program through the distance indicated in the program

Step 4: The work from tension will add energy to the block and the work from friction will take energy away from the block. Show the calculation of this final velocity based on these two. Enter your answers into the program to verify that you did everything correctly