



Len pushes toward the right on a 12.0 kg box with a force of magnitude 31.0 N. Martina applies a 11.0 N force on the box in the opposite direction. The magnitude of the kinetic friction force between the box and the very smooth floor is 4.50 N as the box slides toward the right. What is the box's acceleration?

Draw the Free-body diagram

Check your Why? with Mr. C before continuing.

How?
Show all work including substitution with units.

Open the short cut **IP F Box** in the folder on one of the lab stations.
Enter the answer you found above. Check your answer by hitting the check button.
If your answer is not correct follow the interactive steps below the problem to work through the solution. Write the correct steps with solution on the back of this page.