

Force Electric Between Two Charges

Step 1: Draw in your charges on the correct spot on the number line below. Make sure to show the value of the charges and the precise location of the charges. Write down the distance between the center of the two charges prominently below



Step 2: Show the direction of the force on each of the charges in the picture above

Step 3: Show your calculation for the force between the two charges neatly in the space below. Enter your answers into the program to make sure you have done everything correctly.

Step 4 (Optional): Cut the distance between the center of the charges in half and work through the problem again. What happens to the value of the force when the distance between the charges is cut in half? (Set up a ratio to see exactly how the force was affected)