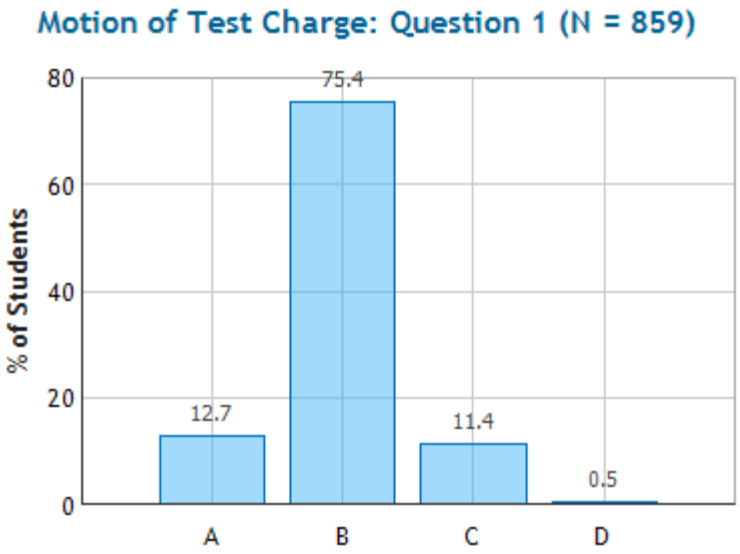
CheckPoint

A positive test charge q is released from rest at distance r away from a charge of +Q and a distance 2r away from a charge of +2Q. How will the test charge move immediately after being released?

8) How will the test charge move immediately after being released?

○ to the left ○ to the right ○ stay still ○ other

A B C D



"(A LEFT) Since the radius is squared, the distance between the 2Q charge makes its pull smaller than that of the 1Q charge."

"(B) Force from Q charge is greater than 2Q because kQq/r^2>2kQq/4r^2 => 1>1/2 and test charge is repelled"

"(C Still) the two electric field are equal in magnitude but opposite in direction"