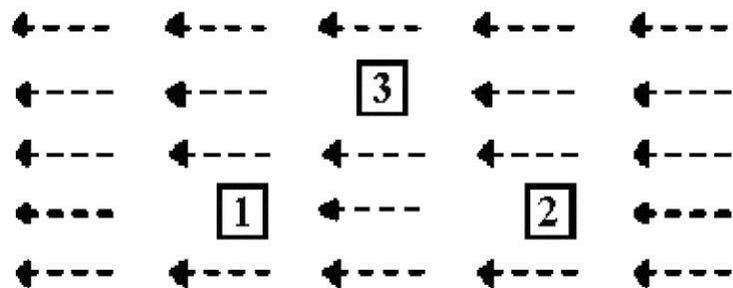


A positive charge might be placed at one of three different locations in a region where there is a uniform electric field, as shown.



How do the electric force,  $F$ , on the charge at positions 1, 2, and 3 compare?

1.  $F$  is greater at 1.
2.  $F$  is greater at 2.
3.  $F$  is greater at 3.
4.  $F$  is zero at all three places.
5.  $F$  at all three positions is the same but not zero.