

A point charge of  $+3.0 \times 10^{-7}$  coulomb is placed  $2.0 \times 10^{-2}$  m from a second point charge of  $+4.0 \times 10^{-7}$  coulomb. The magnitude of the electrostatic force between the charges is \_\_\_\_\_.

**Answer:** the magnitude of the electrostatic force between the charges is  $5.4 \times 10^{-2}$  N.