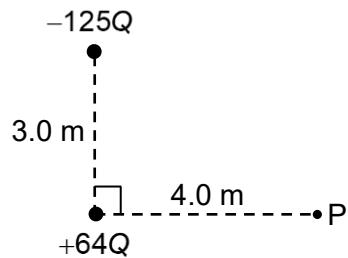


- 22** Two charged particles of charges $+64Q$ and $-125Q$ are separated by a distance of 3.0 m. Point P is at a distance 4.0 m to the right of the particle of charge $+64Q$.



What is the magnitude of the electric field strength at point P?

A $\frac{Q}{4\pi\epsilon_0}$

B $\frac{3Q}{4\pi\epsilon_0}$

C $\frac{9Q}{4\pi\epsilon_0}$

D $\frac{41Q}{4\pi\epsilon_0}$