Two identical small charged spheres, each having a mass $m = 30$g, hang in equilibrium at an anlge of $\theta = 5°$ from the vertical. The length of the strings is $L = 15$cm.

- Identify all forces acting on each sphere.
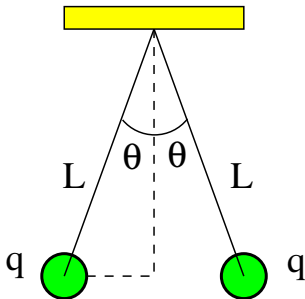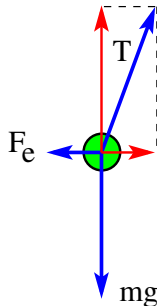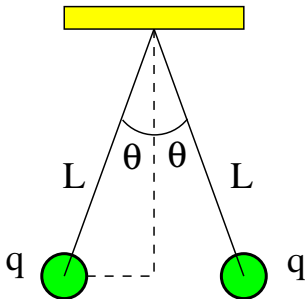- Find the magnitude of the charge q on each sphere.

Coulomb Force in Two Dimensions (5)

Two identical small charged spheres, each having a mass $m = 30$g, hang in equilibrium at an anlge of $\theta = 5°$ from the vertical. The length of the strings is $L = 15$cm.

- Identify all forces acting on each sphere.
- Find the magnitude of the charge q on each sphere.

tsl13