

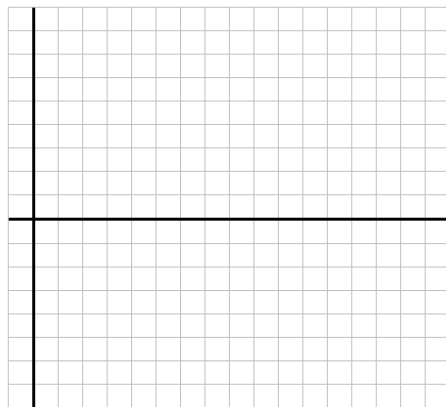
**Objective:** Model the relationship between  $F_{AB}$  (read “Force of object A acting on object B”) and  $F_{BA}$  (read “Force of object B acting on object A”). Phet Hooke’s Law lab found at [https://phet.colorado.edu/sims/html/hookes-law/latest/hookes-law\\_en.html](https://phet.colorado.edu/sims/html/hookes-law/latest/hookes-law_en.html) . Choose “Intro” from the home screen. In the upper right corner, check “Applied Force”, “Spring Force”, and “Values”. Use the grabbers to pull the spring. Let the action/reaction pair under investigation be the interaction between the grabbers and the spring.

**Diagrammatical:**

**Experimental Design:**

**Graphical:**

$F_{AB}$ (N)	$F_{BA}$ (N)



**Mathematical:**

**Word:**