**Experiment Mass-Spring Oscillator - Data Sheet**

**Use the following space to record spring constants complete with uncertainty (in standard form).**

**Spring 1: k1 ± σ1 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Spring 2: k2 ± σ2 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Springs 1 and 2 in Series: ks ± σs = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Use the following space to record times and number of full oscillations from the Part 2 measurements.**

**Spring 1: N1 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (# of oscillations)**

**t1 = N1T1 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (N periods)**

**T1 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Period of osc.)**

**Spring 2: N2 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (# of oscillations)**

**t2 = N2T2 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (N periods)**

**T2 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Period of osc.)**

**Springs 1 and 2 in Series: Ns = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (# of oscillations)**

**ts = NsTs = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (N periods)**

**Ts = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Period of osc.)**