

Spring Lab Sample Data

1 Spring Constant vs. Period

Constants: mass (150 g) and amplitude (5 cm)

Spring Constant (N/m)	Period (s)
2.5	1.50
7.5	0.90
15	0.61
20	0.53
30	0.47

2 Amplitude vs. Period

Constants: mass (150 g) and spring constant (7.5 N/m)

Amplitude (cm)	Period (s)
2	0.96
4	1.00
6	0.99
8	0.99
10	1.00

3 Mass vs. Period

Constants: amplitude (3 cm) and spring constant (7.5 N/m)

Mass (g)	Period (s)
50	0.49
70	0.58
100	0.72
150	0.91
230	1.09