

Total Mass (g)	Trial 1	Trial 2	Trial 3	AVE
	Final length of spring (cm)			
50	0.002	0.002	0.002	0.002
100	0.005	0.005	0.006	0.005
150	0.008	0.007	0.008	0.008
200	0.011	0.011	0.011	0.011
250	0.014	0.014	0.014	0.014
300	0.016	0.017	0.018	0.017
350	0.021	0.022	0.022	0.022
400	0.024	0.025	0.025	0.025
450	0.028	0.031	0.031	0.030
500	0.039	0.039	0.041	0.040

Length of Compression of spring (m)	Change in height of cart (m); Trial 1	Change in height of cart (m); Trial 2	Change in height of cart (m); Trial 3	Change in height of cart (m); Trial 4	Change in height of cart (m); Trial 5	Change in height of cart (m); Trial 6	Change in height of cart (m); Trial 7	Change in height of cart (m); Trial 8
0.02	0.014	0.013	0.013	0.012	0.014	0.015	0.012	0.013
0.04	0.041	0.044	0.045	0.047	0.042	0.043	0.046	0.044
0.06	0.078	0.079	0.074	0.082	0.079	0.08	0.079	0.078
0.08	0.186	0.133	0.151	0.138	0.149	0.154	0.148	0.178