Mass of Object (KG)	Height Of Structure (Optional)	Ground to bottom of Spring (CM)	Extension From Equilibrium (M)		Hooke's Law F=-kx	Force = Mass * Gravity (Newtons)
0		144.5	0		Force = Spring Constant * Displacement	0
0.017		139.8	0.047		F=M*A	0.1666
0.027		136.5	0.08		Mass in terms of KG	0.2646
0.037		133.8	0.107		Acceleration Due to Gravity	0.3626
0.047		130.9	0.136			0.4606
0.057		127.8	0.167			0.5586
0.067		124	0.205			0.6566
0.077		121.3	0.232			0.7546

Mass of Object (KG)	Height Of Structure (Optional)	Ground to bottom of Spring (CM)	Extension From Equilibrium (M)		Hooke's Law F=-kx	Force = Mass * Gravity (Newtons)

Mass of Object (KG)	K=F/x	Average K, based on inputed Values				
0	0	**3.34687911706**				
0.017	3.54468085106					
0.027	3.3075					
0.037	3.38878504672					
0.047	3.38676470588					
0.057	3.34491017964					
0.067	3.20292682926					
0.077	3.25258620689					

Mass of Object (KG)	K=F/x	Average K, based on inputed Values				