

Weight/Mass Homework

1. Complete the following table showing the relationship between mass and weight.

Object	Mass (kg)	Weight (N)
Melon	1 kg	
Apple		0.98 N
Pat Eatladee	25 kg	
Fred		980 N

2. Different masses are hung on a spring scale calibrated in Newtons.

- The force exerted by gravity on 1 kg = 9.8 N.
- The force exerted by gravity on 5 kg = _____ N.
- The force exerted by gravity on _____ kg = 98 N.
- The force exerted by gravity on 70 kg = _____ N.

3. When a person diets, is their goal to lose mass or to lose weight? Explain.