

## Chapter 4 - Video Math Practice

1. A crate with a mass of 50.0 kg experiences an acceleration of  $3.50 \text{ m/s}^2$ . Find the magnitude of the net force on the crate.
2. A boy pushes a 0.500 kg book across a table by exerting a net force of 2.0 N on it. Calculate the acceleration that the book will experience.
3. Find the weight of a person on Earth if they have a mass of 55 kg.
4. A 40 N brick experiences a net force of 5 N parallel to its surface. Find the acceleration that the block will experience.