

Interpret Net Force and Acceleration: Apply and Create



Name: _____ Date: _____

Use what you learned to explain, construct or apply an idea.

A simplified motion model

For an object of constant mass, net force $F = ma$. Force is measured in newtons, mass in kilograms and acceleration in meters per second squared. Net force, not just one force, determines acceleration.

1. With the same net force, what happens to acceleration if mass doubles?

2. Does zero net force require an object to be at rest?
