Examples of Newton's 2nd Law F=ma



Slide 3 - Which cart is easier to move? Why?





Slide 5- What does this have to do with rockets and cars?





Slide 7-2nd law at about the 2:50 minute mark





If a truck initially moving at 10 m/s

Suppose a heavy truck and a light car start with the same momentum (if it makes you happy, we can say the truck has a mass three times that of the car). Both vehicles have the same force acting on them to bring them to a stop. Which one stops first? Why?



Slide 10-Which vehicle stops in the shortest distance and why?

