



Re	sults on individ	ual probler	ns
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## Sample essay

I think Taylor is correct. Two objects that interact with each other will always exert an equal and opposite force on each other. So when the two cars hit each other, or the car and the truck hit each other, the forces exerted will be equal and opposite no matter what. What makes the cars move [change their motion] is the net force on each object is not 0. There is frictional force between the wheels and the ground that must be considered. The mass of the vehicles must also be considered. Acceleration is determined by the [net] force exerted on the object divided by the mass of the object. That is why even though the force exerted by the objects on each other must be the same, they can accelerate differently due to differing masses. Justin must be confusing force with acceleration. He thinks the cars must not move in order for the forces to be equal and opposite. This is not the case.











