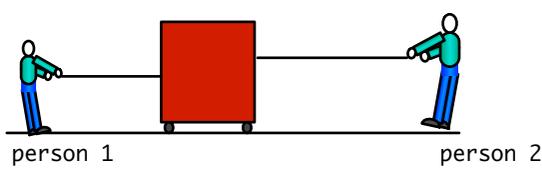


Week 11 2nd Law

5 Situations A

Person 1 pulls with a force of 100 N; person 2 pulls with a force of 200 N. (The box is 50 kg and weighs 500 N.)



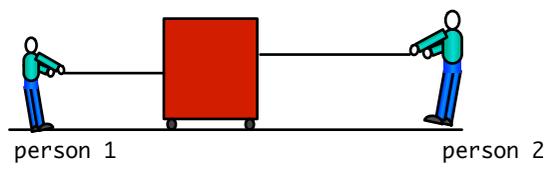
Net Force Calculation: →

 =

Week 11 2nd Law

5 Situations B

Person 1 pulls with a force of 200 N; person 2 pulls with a force of 400 N. (The box is 50 kg and weighs 500 N.)



Net Force Calculation: →

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The plane's engine provides 10,000 N of force to the right, but there is 4,000 N of drag holding it back. (The plane is 2,000 kg and weighs 20,000 N and it gets 20,000 N of lift.)



Net Force Calculation: →

 =

The plane's engine provides 8,000 N of force to the right, but there is 3,000 N of drag holding it back. (The plane is 1,000 kg and weighs 10,000 N and it gets 10,000 N of lift.)



Net Force Calculation: →

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