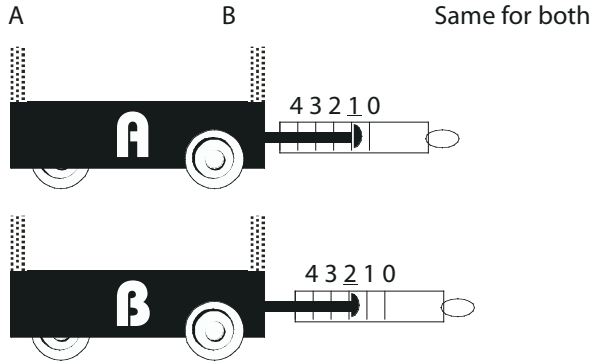


# PhyzJob: A Day at the Races

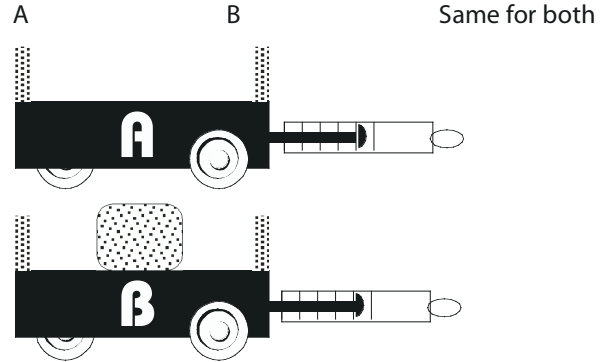
$$a = \frac{F}{m}$$



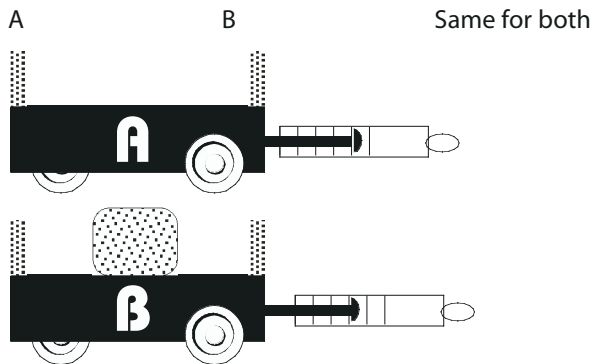
1. Cart A has a mass of 1 kg and is being pulled with a force of 1 N. Cart B has a mass of 1 kg and is being pulled with a force of 2 N. Which undergoes the greater acceleration?



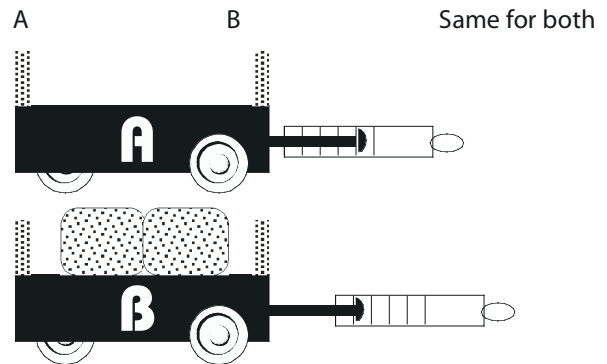
2. Cart A has a mass of 1 kg and is being pulled with a force of 1 N. Cart B has a mass of 2 kg and is being pulled with a force of 1 N. Which undergoes the greater acceleration?



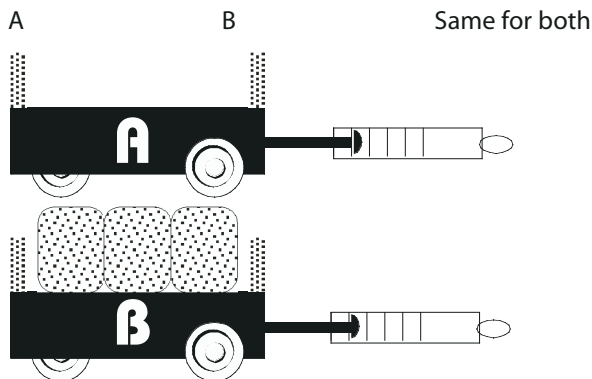
3. Cart A has a mass of 1 kg and is being pulled with a force of 1 N. Cart B has a mass of 2 kg and is being pulled with a force of 2 N. Which undergoes the greater acceleration?



4. Cart A has a mass of 1 kg and is being pulled with a force of 1 N. Cart B has a mass of 3 kg and is being pulled with a force of 4 N. Which undergoes the greater acceleration?



5. Cart A has a mass of 1 kg and is being pulled with a force of 4 N. Cart B has a mass of 4 kg and is being pulled with a force of 4 N. Which undergoes the greater acceleration?



6. Cart A has a mass of 1 kg and is being pulled with a force of 2 N. Cart B has a mass of 4 kg and is being pulled with a force of 3 N. Which undergoes the greater acceleration?

