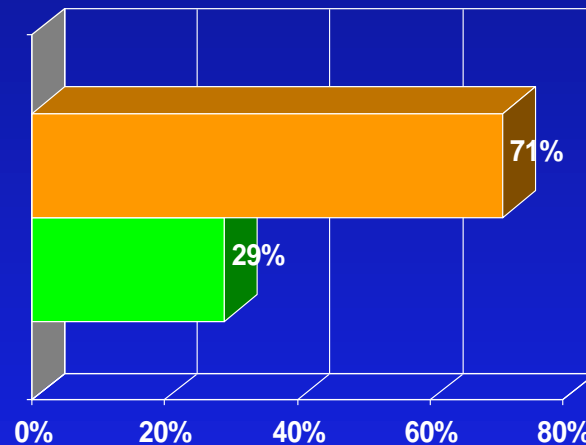


Preflight 2 & 3

Is it possible for a system of two objects to have zero total momentum while having a non-zero total kinetic energy?

1. YES

2. NO



← correct

"two identical cars, say Porsche's, running towards each other at identical speeds
... and if you are Bruce Willis, it may take out a helicopter.."

"an explosion! BOOM."

"If Superman and Bizarro were flying directly at each other in the vacuum of space, they would both have scalar kinetic energy, and equal and opposite momentum."

demo