



You are pulling two weights along a table with equal force. Which one would speed up faster?

1. The 1 kg weight
2. The 5 kg weight
3. They would speed up the same way.
4. There is not enough information to tell.



The prof drops two metal spheres, one of  $\frac{1}{2}$  kg, the other of 2 kg. They hit the ground at (almost) exactly the same time. Which of the following statements is true?



1. The force of gravity on the 2 kg weight is greater than the force on the  $\frac{1}{2}$  kg weight
2. The force of gravity on the 2 kg weight is less than the force on the  $\frac{1}{2}$  kg weight
3. The force of gravity on the 2 kg weight is the same as the force on the  $\frac{1}{2}$  kg weight.
4. There is not enough information to tell.

# Coherence

