You are pulling two blocks along a table with the same (constant) acceleration. Which requires a larger force?

A. The 1 kg weight block
B. The 5 kg weight block
C. The require the same force.
D. There is not enough information to tell.
If I drop a light object (a wooden ball) and a heavy object (a steel ball) from 4 m, which will hit the ground first?

A. The light one (by a lot)
B. The heavy one (by a lot)
C. About the same
D. You can’t tell from the information given.
If I drop a light object (a paper ball) and a heavy object (a steel ball) from 4 m, which will hit the ground first?

A. The light one (by a lot)
B. The heavy one (by a lot)
C. About the same
D. You can’t tell from the information given.
The professor drops two spheres, one of 1 kg, the other of 5 kg. They hit the ground at (almost) exactly the same time. The force of gravity on the 5 kg weight is:

A. Greater than the force on the 1 kg weight
B. Less than the force on the 1 kg weight
C. Almost the same as the force on the 1 kg weight.
D. There is not enough information to tell.
Which ball will hit first?

1. The shot one
2. The dropped one
3. They’ll hit at the same time
4. You can’t tell from the information given.