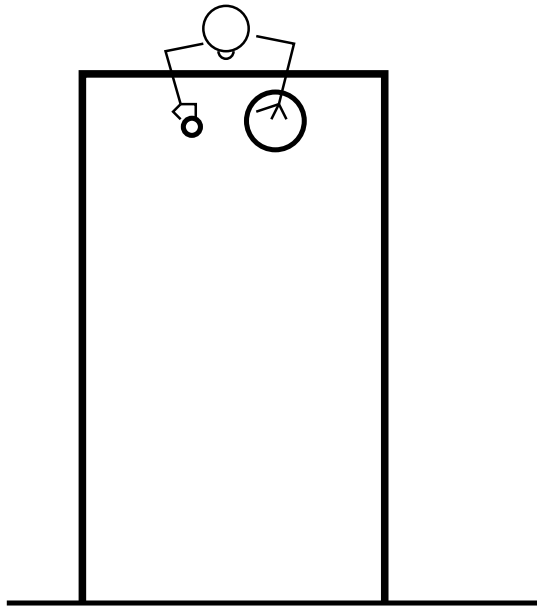


A musket ball (about the size of a bullet) and a cannon ball are both dropped at the exact same instant from the top of a tall building.



Which one hits the ground first?

1. the musket ball
2. the canon ball
3. they both hit at the same time

“But I . . . who have made the test can assure you that a cannon ball weighing one or two hundred pounds, or even more, will not reach the ground by as much as a span ahead of a musket ball weighing only half an ounce, provided both are dropped from a height of 200 braccia . . . the larger outstrips the smaller by two inches, that is when the larger has reached the ground, the other is short of it by two inches.”

– Galileo Galilei