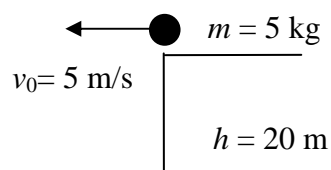


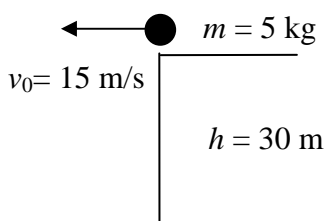
### Ranking Task Projectile Example

Consider the situations shown below: a ball is thrown horizontally off a cliff. Each diagram shows the mass of the ball, the height of the cliff, and the initial velocity of the ball.

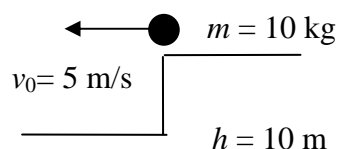
Rank the situations from greatest to least based on the time it takes the ball to fall to the ground. That is, rank first the ball that takes the most time to fall to the ground and last the ball that takes the least time to fall to the ground.



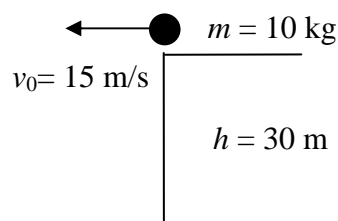
**A**



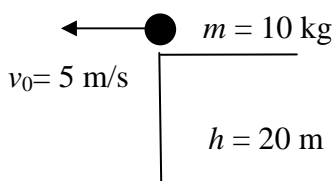
**B**



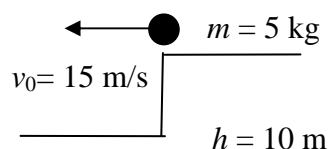
**C**



**D**



**E**



**F**

Greatest    1 \_\_\_\_\_    2 \_\_\_\_\_    3 \_\_\_\_\_    4 \_\_\_\_\_    5 \_\_\_\_\_    6 \_\_\_\_\_    Least

Or, all the balls hit the ground at the same time. \_\_\_\_\_

Briefly explain your reasoning.

How sure are you of your ranking?

Basically Guessed

1

2

3

4

5

6

7

8

9

Very Sure

10