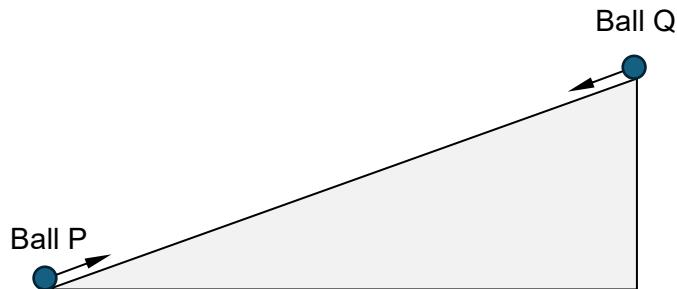


- 3** Ball P is projected upwards from the bottom of a smooth inclined plane with an initial speed that is just sufficient for it to reach the top of the plane.

At the same time that Ball P is projected, Ball Q is projected downwards from the top of the plane with the same initial speed as Ball P.



What is the ratio of the distance travelled by Ball Q to the distance travelled by Ball P when they collide?

A 0.78

B 1.0

C 1.3

D 3.0

