

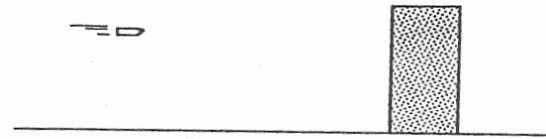
Q 16.

A cart moving at speed v collides with an identical stationary cart on an airtrack, and the two stick together after the collision. What is their velocity after colliding?

1. v
2. $0.5 v$
3. zero
4. $-0.5 v$
5. $-v$
6. need more information

Q 17.

QUESTION A rubber bullet and an aluminum bullet both have the same size, speed, and mass. They are fired at a block of wood. The rubber bullet bounces back, the other penetrates. Which is most likely to knock the block over?



1. The rubber bullet
2. The aluminum bullet
3. Both the same

Answers

Q16. 2

Q17. 1