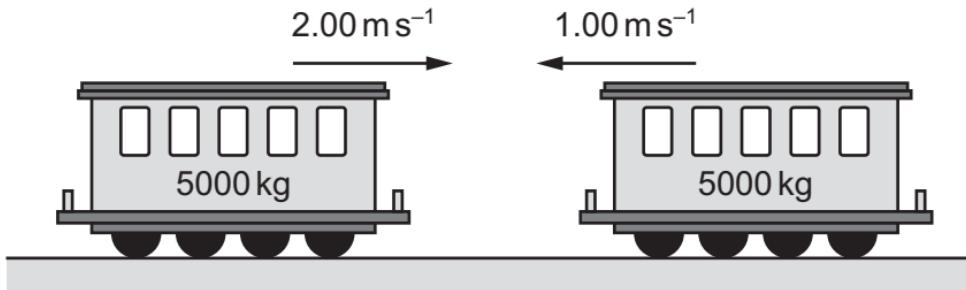


- 10 Two train carriages each of mass 5000 kg roll toward one another on a horizontal frictionless track. One is travelling at a speed of 2.00 ms^{-1} and the other at a speed of 1.00 ms^{-1} , as shown.



They collide and join together.

What is the kinetic energy lost during the collision?

- A 1250 J B 7500 J C 11250 J D 12500 J