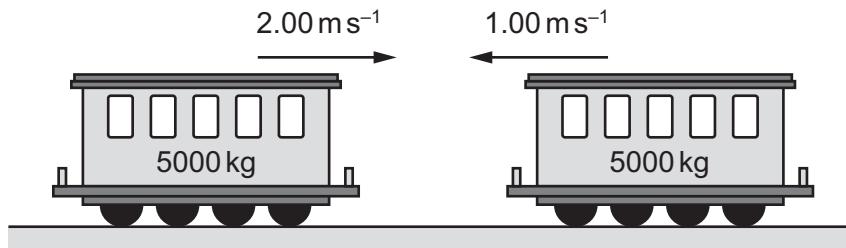


- 7 Two train carriages each of mass 5000 kg roll toward one another on a level track. One is travelling at 2.00 ms^{-1} and the other at 1.00 ms^{-1} , as shown.



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

Space for working