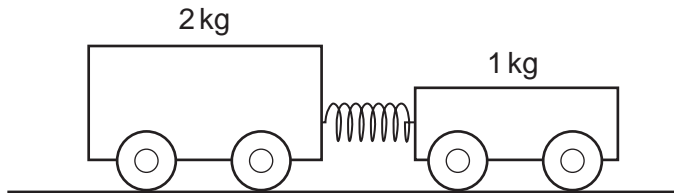


- 15** Two trolleys are placed together on a horizontal runway with a compressed spring between them.



When they are released, the 2 kg trolley moves to the left at 2 m s^{-1} .

How much energy was stored in the spring?

- A** 4 J **B** 6 J **C** 8 J **D** 12 J

- 16** An electric railway locomotive has a maximum mechanical output power of 4.0 MW. Electrical