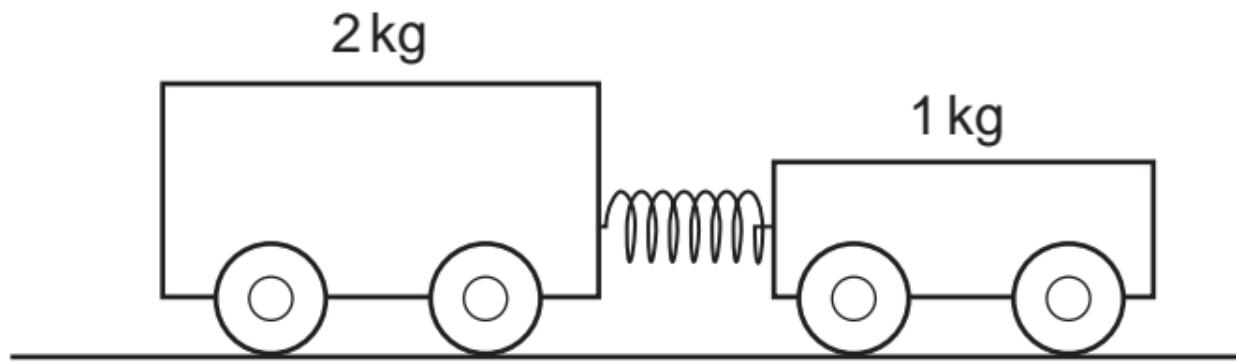


15 Two trolleys are placed together on a horizontal runway with a compressed spring between them.



When they are released, the 2 kg trolley moves to the left at 2 ms^{-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