4   At the airport, persons A and B walk at an average speed of 0.90 m s^{-1} and 0.80 m s^{-1} respectively. Person B now walks on a travelator, but person A does not. The travelator moves at the speed of 0.50 m s^{-1}. What is the difference in the time taken by persons A and B to travel 50 m?

A   125 s   B   17.1 s

C   44.4 s   D   26.8 s