

- 4** An aircraft, initially stationary on a runway, takes off with a speed of 85 kmh^{-1} in a distance of no more than 1.20 km.

What is the minimum constant acceleration necessary for the aircraft?

A 0.23 ms^{-2}

B 0.46 ms^{-2}

C 3.0 ms^{-2}

D 6.0 ms^{-2}