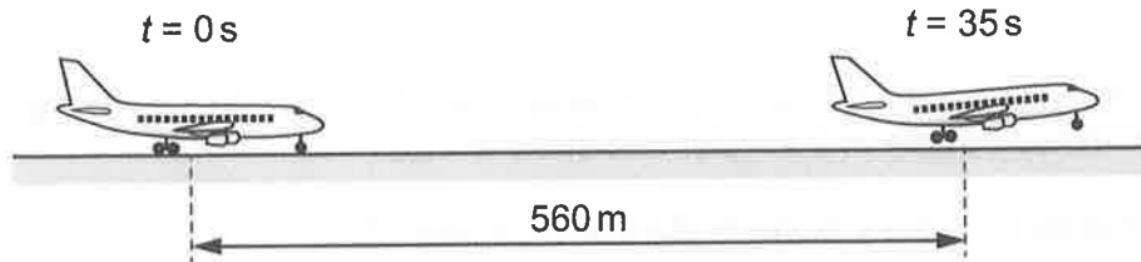


- 5 An aeroplane is stationary at one end of a runway. It accelerates uniformly and takes off 35 seconds later, having travelled a distance of 560 m.



What are the acceleration and take-off speed of the aeroplane?

	acceleration m s^{-2}	take-off speed m s^{-1}
A	0.46	16
B	0.46	32
C	0.91	16
D	0.91	32

- 6 Which law is correct for an inelastic collision between two isolated objects?