(b) In another test, the momentum of the dummy changes by 920 kg m/s in a time of 0.17 s.	
Calculate the average horizontal force acting on the dummy during this time.	(2)
Average force =(c) These tests help to make our roads safer.	N
(i) State two factors that affect the stopping distance of a car driven on a road.	(2)
(ii) Use ideas about momentum to explain how the crumple zone of a car helps to reduce injuries during a crash.	(3)
(Total for Question 7 = 9 n	narks)

