

Question	Answer	Marks	Guidance
(a)	$0 = u^2 - 2g \times 45$	M1	For use of $v^2 = u^2 + 2as$ OE complete method that would lead to finding u
	Speed = 30 ms^{-1}	A1	
		2	
(b)	$10 = 30 - gt$ leading to $t = 2$	M1	For use of $v = u + at$ to find time to 10 ms^{-1} or use of ' <i>suvat</i> ' to find time for one stage of motion
	$2 \times 2 \text{ s}$	M1	$2 \times$ time to 10 ms^{-1} OE
	Total time = 4 s	A1	
		3	

