2.	Use of $s = ut + \frac{1}{2}at^2$	M1	Form equation in u and a. **N.B.** Marks are available if they use two other unknowns, rather than u and a
	$20 = 3u + \frac{9a}{2}$	A1	Correct unsimplified equation
	Use of *suvat*	M1	Form second equation in u and a. **N.B.** Marks are available if they use the same two other unknowns, rather than u and a
	$10 = (u + 3a) + \frac{a}{2}$ or $30 = 4u + 8a$	A1	Correct unsimplified equation
	$30 = 3u + \frac{21a}{2} \Rightarrow 10 = 6a,\ a = \frac{5}{3}$	M1	Solve for u or a **Or** for one of their unknowns.
	$u = \frac{25}{6}$	A1	u and a both correct **or** both their unknowns correct. Accept equivalent forms. 1.7, 4.2 or better
	Use of $v = u + at$, $20 = \frac{25}{6} + \frac{5}{3}t$	M1	Complete method using *suvat* to find t. Correct unsimplified for their u, a.
	$t = 9.5$ (s)	A1	cao
		[8]	