2a	Speed after first collision $=\frac{2}{3}u$	B1	Seen or implied (possibly on diagram)
	Speed after second collision $=\frac{4}{9}u$	B1	Seen or implied (possibly on diagram)
	Correct method for total time	M1	Correct formula, dimensionally correct and including all 3 elements.
	$T_1=\frac{d}{u}+\frac{3d}{\frac{2}{3}u}+\frac{2d}{\frac{4}{9}u}\quad\left(=\frac{d}{u}+\frac{9d}{2u}+\frac{18d}{4u}\right)$	A1	Correct unsimplified expression for T_1
	$T_1=\frac{10d}{u}$	A1	Correct single term. Allow unsimplified fraction e.g. $T_1=\frac{40d}{4u}$
		[5]	
2b	$T_2=\frac{10d}{\frac{4}{9}u}=\frac{45d}{2u}\quad\left(T_2=\frac{9}{4}T_1\right)$	B1ft	Follow through is on their T_1 and / or their $\frac{4}{9}u$ Any equivalent form e.g $\frac{90d}{4u}$.
		[1]	
		(6)	