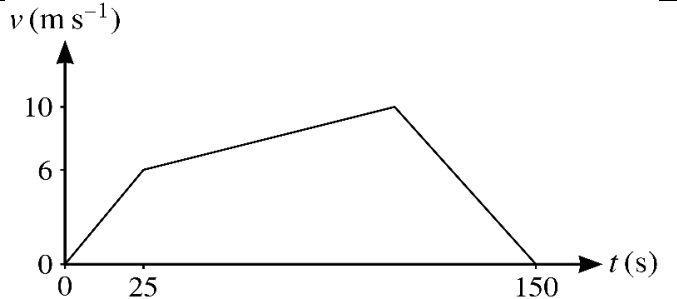


10	(a)		B1 B1	1.1 1.1	Correct shape Correct labels on axes v, t (or velocity, time), 6, 10, 25 and 150 need to be seen	Must be correct shape
			[2]			
10	(b)	$0.24 \text{ (m s}^{-2}\text{)}$	B1 [1]	1.1	oe	
10	(c)	$T = 150 - 25 - T_1$ where $T_1 = \frac{10 - 6}{0.05}$ $T = 45$	M1 A1 [2]	3.1b 1.1	Complete method to find T	
10	(d)	$s = \frac{1}{2}(6)(25) + \frac{1}{2}(10 + 6)(T_1) + \frac{1}{2}(10)T$ Av. Speed = $\frac{\text{'940'}}{150}$ $= 6.27 \text{ (m s}^{-1}\text{)}$	M1* M1dep* A1 [3]	3.3 3.4 1.1	Complete method to find total distance travelled Divides their distance travelled by 150 cao (oe e.g. exact answer is $\frac{94}{15}$)	