

Question		Scheme	Marks	AOs
1(a)		16 (m s ⁻¹) seen as the answer	B1	1.1b
			(1)	
1(b)		$s = \frac{1}{2} \times 3.2 \times 5^2$ OR $s = \frac{(0+16)}{2} \times 5$ OR $s = (16 \times 5) - \frac{1}{2} \times 3.2 \times 5^2$ OR $16^2 = 2 \times 3.2 \times s$ OR from a v - t graph, $s = \frac{1}{2} \times 5 \times 16$	M1	3.1b
		$s = 40$ (m)	A1	1.1b
			(2)	
(3 marks)				
Notes:				
1a	B1	cao. Must be positive. Ignore any working.		
1b	M1	Complete method to find an equation in s only, possibly using their '16' Allow 'reversed motion': use of $s = vt - \frac{1}{2}at^2$ with $v = 0$ i.e. $s = -\frac{1}{2} \times 3.2 \times 5^2$ can score M1 and $s = -40$ so distance is 40 (m) can score the A1		
	A1	cao. Must be positive.		
		N.B. correct answer only, in (b), can score both marks.		