

Question	Answer	Marks	Guidance
(a)	$0.3 \times 4 + 0 = 0.3v + 0.2 \times 3$	<b>M1</b>	For attempt at use of conservation of momentum
	Speed = $2 \text{ ms}^{-1}$	<b>A1</b>	
		<b>2</b>	
(b)	$0.2 \times 3 + 0 = (0.2 + m) \times 2$	<b>M1</b>	For attempt at use of conservation of momentum
	$m = 0.1$	<b>A1</b>	
		<b>2</b>	

