10	**(i)**		$T-3g=3a$ $5g-T=5a$	**M1*** **A1**	**3.3** **1.1**	Attempt N2L for P and Q – three terms, mass required, condone sign errors	M0 for $a=0$ or $\pm g$
			$5g-T=5\left(\dfrac{T-3g}{3}\right)\Rightarrow T=...$	**Dep*M1**	**1.1**	Eliminate a and attempt to solve for T	
			$T=36.75\,(\text{N})$	**A1** **[4]**	**1.1**	Accept $\frac{15}{4}g$, 36.8	
	(ii)		$a=2.45\,\text{ms}^{-2}$	**B1**	**3.4**	$0.25g$	
			$v^2=0+2(2.45)(2.5)$	**M1***	**3.3**	Use of $v^2=u^2+2as$ for P with $u=0$	M0 for $a=0$ or $\pm g$
			$0=12.25+2h(-g)$	**Dep*M1**	**3.3**	Use of $v^2=u^2+2as$ for P with $v=0$	$a=\pm g$
			$(2h=)$ 1.25(m)	**A1** **[4]**	**1.1**	oe	