Question Number	Scheme	Marks
3.	For P: $4mg - 3mg = 4ma$ For both: $4mg + 2mg - T = (4+2)ma = 6ma$ **Any two of these** For Q: $2mg + 3mg - T = 2ma$	M1A1 M1A1
	Solve for T	DM1
	$\frac{9mg}{2}$, $4.5mg$ oe	A1 (6)
		(6)
	Notes	
	N.B. Use the mass in the 'ma' term in each equation of motion to determine to which part of the system the equation refers. Allow a replaced by $-a$ in both equations. Enter marks on ePEN in the order in which equations appear.	
	M1: Equation of motion with correct terms, condone sign errors	
	A1: Correct equation	
	M1: Equation of motion with correct terms, condone sign errors	
	A1: Correct equation	
	DM1: Dependent on both M's, for solving for T (must be in terms of mg)	
	A1: Any equivalent expression of the form kmg.	
	N.B. For the P and Q equations, allow M1 if they have T instead of $3mg$ and it's VERY **clear** that T is the tension in the connecting string and not the tension they are trying to find.	