Question Number	Scheme	Marks
4(a)	$M(C),\ Mg\times 4.5+1.2g\times 2=4g\times 1.5$	M1A1
	$M = 0.8$ oe	A1 (3)
	Other possible equations: $(\uparrow),\ Y=4g+1.2g+Mg$ $M(A),\ 5Y=1.2g\times 3+4g\times 6.5+Mg\times 0.5$ $M(B),\ 1.5Y=1.2g\times 3.5+Mg\times 6$ $M(G),\ 2Y+Mg\times 2.5=4g\times 3.5$ from which Y would need to be eliminated.	
4(b)	$M(E),\ R_C\times 0.6=1.2g\times 2.6$	M1A1
	$R_C=5.2g$ isw	A1 (3)
	Other possible equations: $(\uparrow),\ Xg+1.2g=R_C$ $M(C),\ Xg\times 0.6=1.2g\times 2$ $M(A),\ 1.2g\times 3+Xg\times 5.6=R_C\times 5$ $M(B),\ 1.2g\times 3.5+Xg\times 0.9=R_C\times 1.5$ $M(G),\ Xg\times 2.6=R_C\times 2$ from which Xg would need to be eliminated. (Note that $X = 4$) Xg may appear as a single letter.	
		(6)
	Notes	
4(a)	M1: For an equation in M only, with correct number of terms, condone sign errors and missing g's	
	A1: Correct equation	
	A1: cao	
4(b)	M1: For an equation in R_C only, with correct number of terms, condone sign errors and missing g's	
	A1: Correct equation	
	A1: $\frac{26g}{5}$, 51 or 51.0	