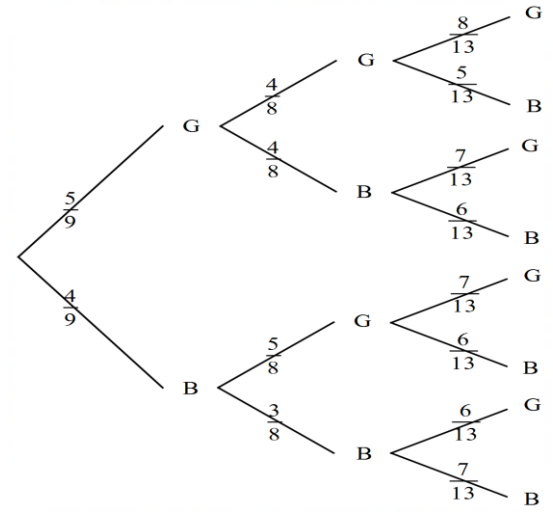
Question	Scheme		Marks
2 (a)		$\frac{5}{8}$ & $\frac{3}{8}$ $\frac{8}{13}$ & $\frac{5}{13}$ $\frac{7}{13}$ & $\frac{6}{13}$	B1 B1 B1
			(3)
(b)	$\frac{5}{9}\times\frac{4}{8}+\frac{4}{9}\times'\frac{5}{8}'=\frac{5}{9}$ oe		M1 A1
			(2)
(c)	$\frac{5}{9}\times\frac{4}{8}\times'\frac{8}{13}'+\frac{4}{9}\times'\frac{3}{8}'\times\frac{7}{13}=\frac{61}{234}$ oe		M1 A1
			(2)
(d)	$\frac{\frac{5}{9}\times\frac{4}{8}\times'\frac{8}{13}'}{'\frac{61}{234}'}\left[=\frac{\frac{20}{117}}{\frac{61}{234}}\right]=\frac{40}{61}$ oe		M1 A1ft A1
			(3)

	Notes		Total 10
(a)	**B1**	for $\frac{5}{8}$ & $\frac{3}{8}$ in the correct place on the 2nd branches Allow 0.625 & 0.375 or 62.5% & 37.5%	
	B1	for $\frac{8}{13}$ & $\frac{5}{13}$ in the correct place on the 3rd branches Allow awrt 0.615 & awrt 0.385 or awrt 61.5% & awrt 38.5%	
	B1	for $\frac{7}{13}$ & $\frac{6}{13}$ in both correct places on the 3rd branches Allow awrt 0.538 & awrt 0.462 or awrt 53.8% or awrt 46.2%	
(b)	**M1**	for $\frac{5}{9}\times\frac{4}{8}+\frac{4}{9}\times'\frac{5}{8}'$ ft their tree diagram provided these are probabilities Allow $\frac{5}{9}\times\frac{4}{8}\times'\frac{7}{13}'+\frac{5}{9}\times\frac{4}{8}\times'\frac{6}{13}'+\frac{4}{9}\times'\frac{5}{8}'\times'\frac{7}{13}'+\frac{4}{9}\times'\frac{5}{8}'\times'\frac{6}{13}'$	
	A1	$\frac{5}{9}$ oe Allow awrt 0.556 or awrt 55.6%	
(c)	**M1**	for $\frac{5}{9}\times\frac{4}{8}\times'\frac{8}{13}'+\frac{4}{9}\times'\frac{3}{8}'\times\frac{7}{13}$ ft their tree diagram provided these are probabilities	
	A1	$\frac{61}{234}$ oe Allow awrt 0.261 or awrt 26.1%	
(d)	**M1**	for $\frac{\text{a probability}}{\text{part (c)}}$ where numerator < denominator and 0 < part (c) < 1	
	A1ft	for finding the correct numerator Allow awrt 0.171 or awrt 17.1% or ft their tree diagram If the answer is incorrect then working must be shown	
	A1	$\frac{40}{61}$ oe Allow awrt 0.656 or awrt 65.6%	