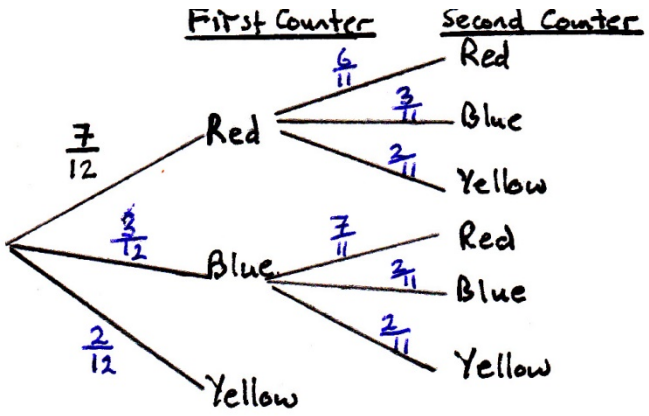
Question Number	Scheme	Marks
1. (a)		B1 B1 (2)
(b)	$P(Y) = \frac{7}{12}\times\frac{2}{11} + \frac{3}{12}\times\frac{2}{11} + \frac{2}{12} = \left\{\frac{42}{132} \text{ or } \frac{7}{22}\right\}$ **or**	
	$P(\text{Yellow and two counters}) = \frac{7}{12}\times\frac{2}{11} + \frac{3}{12}\times\frac{2}{11} = \left\{\frac{20}{132} \text{ or } \frac{5}{33}\right\}$	M1
	$\frac{P([Y\cap R]\cup[Y\cap B])}{P(Y)} = \frac{"\frac{20}{132}"}{"\frac{42}{132}"}$	M1
	$= \frac{20}{42}$ or $\frac{10}{21}$ oe	A1 (3) **[5 marks]**

	Notes	
(a)	1st B1	for the remaining probs on first set of branches and at least one on 2nd set
	2nd B1	for a fully correct tree diagram with all the correct probabilities
(b)	1st M1	for a correct ft expression for P(Y) or P(Yellow and two counters)ft their tree diagram eg $1-\frac{7}{12}\times\frac{6+3}{11}-\frac{3}{12}\times\frac{7+2}{11}$ **NB:** The method is implied by the numbers in curly brackets but we do not need to see them to award the mark.
	2nd M1	for a correct ratio formula (symbols or words) and at least one correct ft prob or fully correct ft ratio. Do not follow through probabilities > 1 or < 0
	A1	for $\frac{10}{21}$ or exact equivalent. (Allow $0.\dot{4}76190\dot{}$) **NB** if an exact correct fraction is not given and an awrt 0.476…. is given it would get M1M1A0 if from correct working Generally if the answer is correct then award full marks (unless from obvious incorrect working) or notes indicate otherwise