Qu	Scheme	Marks	AO
5	Must end up with 3 of each colour or 4 of each colour	M1	3.1b
	$\underline{n=2}$ requires 1 st red and 2 nd green or red from A and green from B	M1	2.2a
	P(1 st red and 2 nd green) = $\frac{4}{9} \times \frac{1}{10} = \frac{4}{90}$ or $\frac{2}{45}$ $p = \frac{2}{\underline{45}}$	A1	1.1b
	$\underline{n=5}$ requires 1 st green and 2 nd yellow or green from A and yellow from B	M1	2.2a
	P(1 st green and 2 nd yellow) = $\frac{5}{12} \times \frac{3}{10} = \frac{15}{120}$ or $\frac{1}{8}$ $p = \frac{1}{8}$	A1	1.1b
		(5)	
		(5 marks)	
	Notes		
	1 st M1 for an overall strategy realising there are 2 options.		
	Award when evidence of both cases (3 of each colour or 4 of each colour) seen.		
	2nd M1 for n = 2 and attempt at 1st rad and 2nd groop		
	2^{nd} M1 for $n = 2$ and attempt at 1^{st} red and 2^{nd} green		
	May be implied by e.g. $\frac{4}{9} \times \frac{1}{9}$		
	1 st A1 for $p = \frac{2}{45}$ or exact equivalent		
	3^{rd} M1 for $n = 5$ and attempt at 1 st green and 2 nd yellow		
	May be implied by e.g. $\frac{5}{12} \times \frac{3}{9}$		
	$2^{\text{nd}} \text{ A1 for } p = \frac{1}{8} \text{ or exact equivalent}$		
NB	If both correct values of p are found and then added (get $\frac{61}{360}$), deduct final A1 only (i.e. 4/5)		