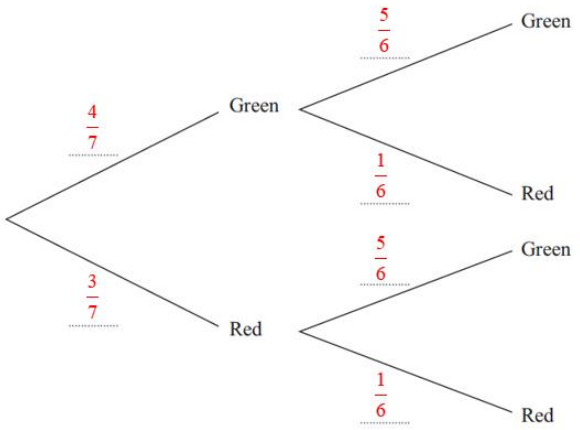
14	(a)		$\frac{4}{7}, \frac{3}{7}$ $\frac{5}{6}, \frac{1}{6}$ $\frac{5}{6}, \frac{1}{6}$	2	B2 for all 3 correct pairs of probabilities on the correct branches (B1 for 1 correct pair of probabilities on the correct branch) Allow $\frac{4}{7} = 0.57(142...)$, $\frac{3}{7} = 0.42(857...)$, $\frac{5}{6} = 0.83(333...)$, $\frac{1}{6} = 0.16(666...)$ Allow decimals/percentages to at least 2 sf truncated or rounded
	(b)	"$\frac{4}{7}$"×"$\frac{5}{6}$" oe or $1-\left("\frac{4}{7}"\times"\frac{1}{6}"+"\frac{3}{7}"\times"\frac{5}{6}"+"\frac{3}{7}"\times"\frac{1}{6}"\right)$ oe		2	M1ft (probabilities < 1) for a complete method
			$\frac{20}{42}$		A1ft oe eg $\frac{10}{21}$ or 0.47(619…) or 47(.619…)% truncated or rounded

(c)	$\frac{3}{7}\times\frac{1}{6}\times P(R_C)=\frac{3}{70}$ oe or $\frac{3}{42}\times P(R_C)=\frac{3}{70}$ oe or $\frac{3}{70}\div\left(\frac{3}{7}\times\frac{1}{6}\right)\left(=\frac{3}{5}\right)$ oe or $\frac{3}{70}\div\frac{3}{42}\left(=\frac{3}{5}\right)$		4	M1 Allow any variable for R_c NB $\frac{3}{5}$ oe may be labelled correctly on the tree diagram Allow decimals/percentages to at least 2 sf truncated or rounded
	$P(G_AR_BR_C=)\frac{4}{7}\times\frac{1}{6}\times"\frac{3}{5}"\left(=\frac{12}{210}=\frac{2}{35}=0.057(142...)\right)$ oe or $P(R_AG_BR_C=)\frac{3}{7}\times\frac{5}{6}\times"\frac{3}{5}"\left(=\frac{45}{210}=\frac{3}{14}=0.21(428...)\right)$ oe or $P(R_AR_BG_C=)\frac{3}{7}\times\frac{1}{6}\times"\frac{2}{5}"\left(=\frac{6}{210}=\frac{1}{35}=0.028(571...)\right)$ oe $P(G_AG_BG_C=)\frac{4}{7}\times\frac{5}{6}\times"\frac{2}{5}"\left(=\frac{40}{210}=\frac{4}{21}=0.19(047...)\right)$ oe or $P(G_AG_BR_C=)\frac{4}{7}\times\frac{5}{6}\times"\frac{3}{5}"\left(=\frac{60}{210}=\frac{2}{7}=0.28(571...)\right)$ oe or $P(G_AR_BG_C=)\frac{4}{7}\times\frac{1}{6}\times"\frac{2}{5}"\left(=\frac{8}{210}=\frac{4}{105}=0.038(095...)\right)$ oe or $P(R_AG_BG_C=)\frac{3}{7}\times\frac{5}{6}\times"\frac{2}{5}"\left(=\frac{30}{210}=\frac{1}{7}=0.14(285...)\right)$ oe			M1 dep on previous M1 for one product from *GRR* **or** *RGR* **or** *RRG* **or** *GGG* **or** *GGR* **or** *GRG* **or** *RGG* **NB** P($R_AR_BR_C$) is given as $\frac{3}{70}$ in the question
	$"\frac{12}{210}"+"\frac{45}{210}"+"\frac{6}{210}"$ oe or $\left("\frac{40}{210}"+"\frac{60}{210}"+"\frac{8}{210}"+"\frac{30}{210}"+\frac{3}{70}\right)\left(=\frac{7}{10}=0.7\right)$ oe			M1 dep on previous M1
		$\frac{3}{10}$		A1 oe $\frac{63}{210}$ or 0.3 or 30%
				Total 8 marks