15 (a)			$\frac{9}{20}$ on first red branch	3	B1
			Correct binary structure		B1
		$\frac{9}{16}, \frac{7}{16}, \frac{9}{16}, \frac{7}{16}$	Labels and correct probabilities on all second branches		B1
(b)		$\frac{'9'}{20} \times \frac{'7'}{16}$	$\frac{63}{320}$ or 0.196(875)	2	M1
					A1 oe ft diagram Accept 0.20 or better
(c)		$\frac{'9'}{20} \times \frac{'7'}{16} + \frac{11}{20} \times \frac{9}{16}$	$\frac{162}{320}$ or 0.506(25)	3	M1 for $\frac{11}{20} \times \frac{9}{16}$
					M1 for $\frac{'9'}{20} \times \frac{'7'}{16} + \frac{11}{20} \times \frac{9}{16}$
					A1 oe Accept 0.51 or better
					Total 8 marks