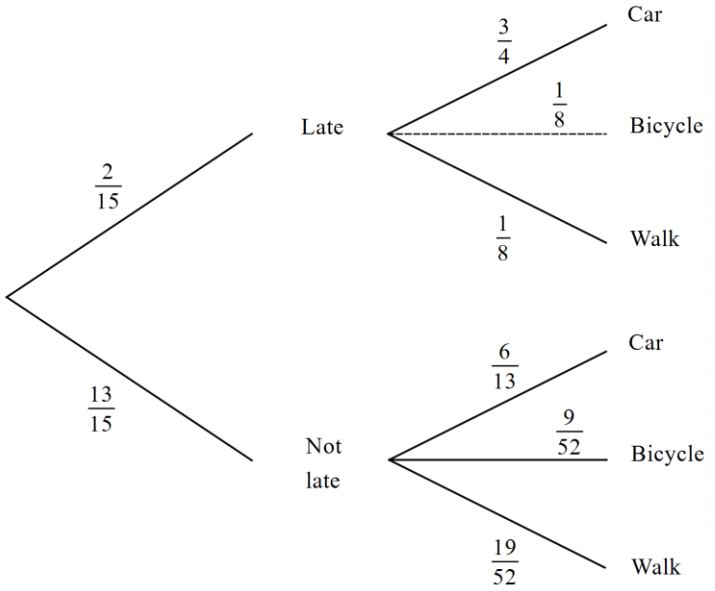
Question Number	Scheme	Marks
8(a)	$\frac{1}{2}\times\frac{1}{5}+\frac{1}{6}\times\frac{1}{10}+\frac{1}{3}\times\frac{1}{20}=\frac{2}{15}*$	B1*
		(1)
(b)	$\frac{\frac{1}{2}\times\frac{1}{5}}{\frac{2}{15}}\left[=\frac{\frac{1}{10}}{\frac{2}{15}}\right]=\frac{3}{4}*$ or $1-\frac{\frac{1}{6}\times\frac{1}{10}+\frac{1}{3}\times\frac{1}{20}}{\frac{2}{15}}=\frac{3}{4}*$	M1A1*
		(2)
(c)		B1B1 M1A1
		(4)

	Notes	Total 7
(a)	**B1***	for a correct expression which is the sum of three products of probabilities leading to the given answer allow $\frac{1}{10}+\frac{1}{60}+\frac{1}{60}=\frac{2}{15}$
(b)	**M1**	for $\frac{1}{2}\times\frac{1}{5}\left[=\frac{1}{10}\right]$ (do not award if embedded in an incorrect calculation) or use of 1 – …. with $\frac{1}{6}\times\frac{1}{10}+\frac{1}{3}\times\frac{1}{20}$
	A1*	for a fully correct expression leading to the given answer
(c)	**B1**	for $\frac{13}{15}$ oe in the correct place on the tree diagram
	B1	for $\frac{1}{8}$ oe and $\frac{1}{8}$ oe in the correct place on the tree diagram

	M1	for $\frac{\frac{4}{5}\times\frac{1}{2}}{\frac{13}{15}}\left[=\frac{6}{13}\right]$ oe or $\frac{\frac{1}{6}\times\frac{9}{10}}{\frac{13}{15}}\left[=\frac{9}{52}\right]$ oe or $\frac{\frac{1}{3}\times\frac{19}{20}}{\frac{13}{15}}\left[=\frac{19}{52}\right]$ oe implied by 1 correct probability in the correct place on tree diagram
	A1	for $\frac{6}{13}$ oe and $\frac{9}{52}$ oe and $\frac{19}{52}$ oe in the correct place on tree diagram