1	(a)	Frequency diagram See end of m/s	C3 (C2 (C1	for a fully correct frequency diagram for at least 5 correct values in the frequency diagram) for at least 3 correct values in the frequency diagram)	If probabilities used instead of frequencies then maximum of C2 can be awarded
	(b)	$\frac{12}{72}$	M1 A1	for $\frac{a}{72}$ where $0 < a < 72$ and a is an integer **or** $\frac{12}{b}$ where $b > 12$ and b is an integer **or** 12 : 72 **or** ft their values for 72 and/or 12 from (a) for $\frac{12}{72}$ oe or ft (a)	 Accept equivalent decimal or percentage forms of probability Ignore errors in cancelling of their $\frac{12}{72}$

2	(a)	0.87, 0.94, 0.94	B2 (B1	for all probabilities correct for 0.87 or 0.94 correctly placed)	Accept any equivalent fraction, eg $\frac{87}{100}, \frac{47}{50}$ or equivalent percentage form 87%, 94%
	(b)	0.0078	M1 A1	for 0.13 × 0.06 oe 0.0078 oe	 Accept any equivalent fraction, eg $\frac{39}{5000}$ or equivalent percentage form 0.78% or 7.8×10^{-3}

3	(a)	0.7 0.65, 0.65	B1 B1	for 0.7 on the first branch for 0.65, 0.65 on the second branches	Accept equivalent fractions or percentages for probabilities
	(b)	0.105	M1 A1	for 0.3 × 0.35 oe	

4	0.06	M1 A1	for 0.2 × 0.3 oe 0.06 oe	 Accept any equivalent fraction or 6%

5	(a)	45 150 105 90 65 25	B3 (B2 (B1	for a fully correct frequency tree for at least 4 figures correctly placed) for at least 1 figure correctly placed)	If probabilities used instead of frequencies award a maximum of B2
	(b)	30	M1 A1	for eg $\frac{45}{150}$ oe or $45 \div 150$ (= 0.3) **or** for $\frac{\text{[number of car owners who own a bicycle]}}{\text{[total number of people who own a car]}}$ ft diagram oe for 30 **or** ft diagram	Must be values from their diagram with numerator < denominator