

1	(a)	Explanation	C1	for explanation Acceptable examples the number of points only goes up to 4 because the median is 2 no-one scored 5 points (implies number of points scored was less than 5) Not acceptable examples she was right since 5 is the middle number she has used the wrong column (insufficient) the median is 3	Explanations must relate to median number of points and not median of the frequency values
	(b)	Explanation	C1	for explanation identifying the error in the working Acceptable examples $0 \times 1 = 0$ or 0×1 is not 1 Anything times zero is zero Not acceptable examples the correct answer is 37	

2	7	P1	for $6 + 4 + 5 + 8 + 7 + 5 (= 35)$	Working may be seen on the diagram Allow one error in the 6 readings; intention to add must be clear.
		P1	for " $35 \div 5$ "	
		A1	cao	

3	(a)	120	M1	for sensible use of proportion eg $\frac{135}{90} (= 1.5)$ or $\frac{90}{135} (= \frac{2}{3})$ or $135 \times 4 (= 540)$ or $135 \div 9 (= 15)$ or $80 \div 90 (= 0.888\dots)$	ie $135 \div 9$ but not $135 \div 10$ without $80 \div 9$
	(b)	$\frac{50}{540}$	M1	for a complete method eg $80 \times "1.5"$ or $80 \div \frac{2}{3}$ or " 540 " $\times \frac{80}{360}$ or " 15 " $\times 8$ or " $0.888\dots$ " $\times 135$	
			A1	cao	
			M1	for method to find total number of cars, eg $135 \times \frac{360}{90} (= 540)$ or for $\frac{50}{135} \times \frac{1}{4}$ oe or begins to work with probability by using a numerator of 50 eg $\frac{50}{a}$ where $a > 50$ and an integer	
			A1	for $\frac{50}{540}$ oe ft " 540 " from part (a)	Accept any equivalent fraction, decimal form 0.09(25..) or percentage form 9(25..)%