

Question	Answer	Mark	Mark scheme	Additional guidance
12 (a)	Drawn	B3 (B2 (B1	for a fully correct box plot for 3 or 4 correctly plotted values including box and whiskers/tails) for 2 correctly plotted values including box or whiskers/tails or 5 correct values plotted or clearly identified and no box or whiskers/tails)	See diagram at end of scheme Min = 21 LQ = 31 Med = 35 UQ = 42 Max = 80
(b)	16	B1	cao	
(c)	Explanation	C1	<p>Acceptable examples</p> <p>Not true as the median could be the average of two ages No, the median is not always one of the numbers in the data Because there is an even amount of numbers, there must be 2 in the middle that have a mean of 35 She could be correct if the middle two numbers are both 35</p> <p>Not acceptable examples</p> <p>Yes...</p> <p>No more are between 31-35 than 35-42 No as there is an even number at least two must be 35 No the median is just the average We can't tell from the graph Because there is an even amount of numbers Not true as we do not know the exact ages of all data.</p>	Figures need not be stated, but if they are, they must be correct

Question 12a

