	Median and Semi-Interquartile RangeThe midday temperatures were recorded in Inverness over a nine-day period.				
1	The midday temperatures were recorded in Inverness over a nine-day period.				
	The temperatures, in °C, were:				
	8 4 3 4 5 6 11 7 9				
	Calculate the median and semi-interquartile range for these temperatures.				
	Calculate the median and semi-interquartile range for these temperatures.				
2	The number of calls received by the police was recorded over 10 days.				
	The results are shown below.				
	198 216 217 230 231 241 248 250 261 267				
	Find the median and semi-interquartile range for this data.	3			
3					
5	A primary school class record their shoe sizes as shown below.				
	8 9 6 8 11 8 10 9 10 5 10 7 12				
	Calculate the median and semi-interquartile range for these temperatures.				
4	A couple took part in a dance competition.				
	The couples were given a score in each round. The scores in the first round were				
	16 12 18 26 21 23 22 18 27 11				
	(a) Calculate the median and semi-interquartile range for these temperatures.				
	In the second round the median score was 25 and the semi-interquartile range was 2.3. (b) Make two valid comparisons between he scores in the first and second rounds.				
	14 marks				
1	1				

	Median and Semi-Interquartile Range - Answers		
1	Mark 1 find median	6	
	Mark 2 find quartiles	4 and 8.5	
	Mark 3 calculate semi-interquartile range	$\frac{8.5-4}{2} = 2.25$	3
2	Mark 1 find median	236	
	Mark 2 find quartiles	217 and 250	
	Mark 3 calculate semi-interquartile range	$\frac{250-217}{2} = 16.5$	
		2	3
3	Mark 1 find median	9	
	Mark 2 find quartiles	7.5 and 10	
	Mark 3 calculate semi-interquartile range	$\frac{10-7.5}{2} = 1.25$	3
4	Mark 1 find median	19.5	
	Mark 2 find quartiles	16 and 23	
	Mark 3 calculate semi-interquartile range	$\frac{23-16}{2} = 3.5$	
	Mark 4 compare medians $(25 > 19.5)$	2	
	On average the scores in the second round were higher		
	Mark 5 compare semi-interquartile range $(23. < 3.5)$		
	The scores in the second round were more consistent (less varied)		
	14 marks		