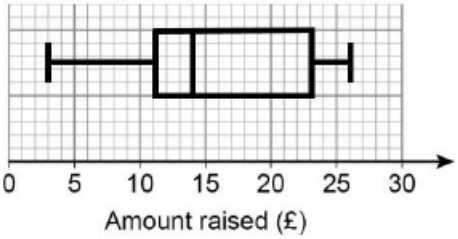
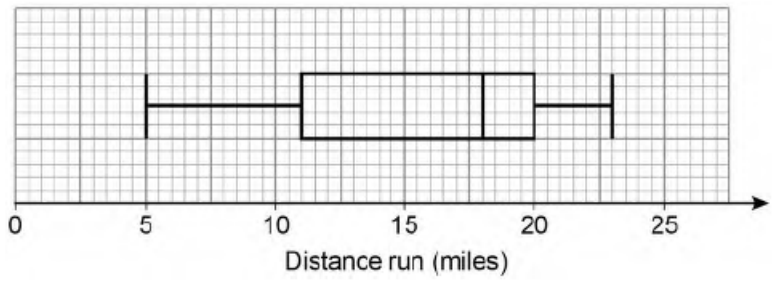
1(a)	Team A and states that the median is higher or Team A and states that the averages are 9.8 and 9.7	B1	
	Additional Guidance		
	If values are given for the medians they must be correct; Team A 9.8 and Team B 9.7		
	Accept medium or middle or midpoint for median		
	Do not accept answers which also mention other statistical measures		
	Team A and 'The median is further'		B1
	Team A and 'A is 9.8 and B is 9.7'		B1
	Team A and 'A is 9.8'		B0
	Team A and 'The average is higher'		B0

1(b)	States that the interquartile (range) is lower	B1	oe accept 'narrower box'
	Additional Guidance		
	If values are given for the interquartile ranges they must be correct; Team A 0.4 and Team B 0.5		
	Apart from stating that the ranges are equal, do not accept answers which also mention other statistical measures		
	The box is smaller		B1
	The distance between LQ and UQ is smaller		B1
	The box plot is smaller		B0
	0.4 and 0.5 without IQR mentioned		B0

Question	Answer	Mark	Comments
2(a)	(Median =) 22	B1	in working or in box plot
	(LQ =) 18 and (UQ =) 24	B1	in working or in box plot
	Rectangular box with median line and whiskers to 3 and 28	B1	
	Additional Guidance		
	Median and quartiles may be seen on cumulative frequency diagram		
	If the values for the median and/or the LQ and UQ are correct in working but incorrect in the box plot award up to B1B1B0		

Q	Answer	Mark	Comments
3	Rectangular boxplot with whiskers to 3 and 26	B1	must have a rectangular box with whiskers
	Lower quartile at 11	B1	must be first vertical line of a box with three vertical lines
	Median at 14	B1	must be second vertical line of a box with three vertical lines
	Upper quartile at 23	B1ft	ft their LQ + 12 must be vertical line at right side of their box
	Additional Guidance		
	Correct boxplot Class B  		
	Mark intention eg any height and allow horizontal line through centre of box		
	Allow ends of whiskers to be vertical lines of any length, dots, crosses or missing		
	$\pm\frac{1}{2}$ small square tolerance		
	Only vertical lines or points plotted		B0

Q	Answer	Mark	Comments
4(a)	Rectangular box plot with whiskers to 5 and 23	B1	
	Lower quartile drawn at 11 and median drawn at 18	B1	
	Upper quartile drawn at 20	B1ft	correct or ft their lower quartile + 9 must be the vertical line at right side of their box
	Additional Guidance		
	Mark intention eg any height and allow horizontal line through centre of box		
	Allow ends of whiskers to be vertical lines of any length, dots, crosses or stops		
	$\pm\frac{1}{2}$ small square tolerance		
	Median must be the second vertical line of a box with three vertical lines		
	Only vertical lines or points plotted		B0
			B3

Q	Answer	Mark	Comment
5(a)	Median = 99	B1	implied by correct line on box plot
	Lower quartile = 96	B1	implied by correct start of box
	Upper quartile = 109	B1	implied by correct end of box
	Fully correct box plot	B1ft	ft their stated median, LQ and UQ whiskers must be correct
	Additional Guidance		
	First 3 marks can be awarded even if a box plot is not drawn		

Q	Answer	Mark	Comment
5(b)	Home and valid reason referring to median	B1ft	eg Home and median is higher (in home games) ft their box plot or their values
	Additional Guidance		
	Strict ft		
	Values for the medians do not need to be stated, but if stated they must be 106 and correct for their box plot		
	Use of any other measure along with correct response is B0 eg Home as median is higher and so is the biggest value	B0	
	106 is bigger than 99 so Home	B1	
	Home matches as the average was 7 more	B1	
	Median home 106 Median away is 99 So Home	B1	
	Median home 106 Median away is 99	B0	
	Home as my box plot shows it	B0	
	Home. The mean is 7 more	B0	
	Home as the average is higher	B0	
	They generally do better in home matches so Home	B0	

Q	Answer	Mark	Comment
5(c)	Away and valid reason referring to interquartile range	B1ft	eg Away and interquartile range is lower (in away games) ft their box plot or their values
	Additional Guidance		
	Strict ft		
	Values for the interquartile ranges do not need to be stated, but if stated they must be 22 and correct for their box plot		
	Answer states that ranges are equal alongside a correct response	B1	
	Answer based on range only	B0	
	Use of any other measure (apart from range) along with correct response is B0 eg Away as IQR is lower and the upper quartile is also lower	B0	
	13 is lower than 22 so Away	B1	
	Away matches as the spread was 9 less	B1	
	Away matches as the spread was lower	B0	
	Away because the box is narrower	B1	
	IQR home 22 IQR away is 13 So Away	B1	
	IQR home 22 IQR away is 13	B0	
	Away as my box plot shows it	B0	
	Away. The LQ is bigger	B0	
	Away as the average is lower	B0	
	They generally do worse in away matches so Away	B0	

Q	Answer	Mark	Comments
6	Fully correct box plot with shortest at 2.4 cm LQ at 4 cm median at 6 cm UQ at 7 cm longest at 9 cm	B3	mark intention B2 box plot with four correct plots and one incorrect/omitted plot or box plot with five correct plots and at most one extra plot B1 at least three correct plots
	Additional Guidance		
	A box plot must be a rectangle with 'whiskers'		
	Accept 'whiskers' ending in points rather than vertical lines		
	For B2 condone the median given as a point in the rectangle		