

1	(a)		Jake with reason	C1	Explanation referring to spread eg range or Jakes figures are closer together or highest and lowest values for both.
	(b)		Reason	C1	Reason eg stem not used or it should be 26

2	(a)	6 4799 7 0015667 8 0011247 9 14	B2 for correct ordered stem and leaf (B1 for fully correct unordered or ordered with one error or omission) B1 ((indep) for key (units not required but must be correct if stated) eg 6 4 = 64 (marks)		
	(b)	Explanation	C1 for identifying "6" students failed (ft their diagram) OR for 20 ÷ 4 (= 5) C1 for comparing $\frac{1}{4}$ with $\frac{6}{20}$ or $\frac{3}{10}$ (ft their diagram) OR for comparing "6" with 5		Explanation does not need to state that Omar is wrong, but just needs to provide two comparable values (that are not the same) unless ft values show that Omar is not wrong in which case a statement is needed.

3	43	M1	for identifying 74 and 31 as the key numbers		It is insufficient to identify these on the diagram (eg as 1, 4) -43 as an answer implies M1
		A1	cao		

4	20 or 24 or 168 Comparison	B1	for identification of the range of the girls (20) or the range (24) or the median (168) of the boys		Simply quoting values for median, range is insufficient; they must be compared. Context not necessary for C1
		C2	for a correct comparison of medians and a correct comparison of ranges supported by correct figures. eg the median height for girls (165) is less than the median height for boys (168) and the range for girls (20) is less than the range for boys (24) At least one comparison must be in context referring to height or quoting cm.		
		(C1	for a correct comparison of medians or a correct comparison of ranges that could fit their incorrect figure(s))		