

Stem and Leaf

June 2024 Paper 1

Question	Answer	Mark	Mark scheme	Additional guidance
15 (a)	64	B1	cao	
(b)	36	M1	for identifying 81 and 45 as the key numbers, eg 81 – 45 or 45 – 81 or 45 to 81	It is insufficient to identify these on the diagram (eg as 1, 5)
		A1	cao	Answer of –36 gets M1A0
(c)	comparison	C1	for a correct comparison of medians that could fit their incorrect median in (a) Acceptable examples The adults were faster because they have the smaller median The adults were [11] minutes faster (on average) The adults were faster The adults took less time The children were slower The children took more time Children took [11] minutes more (on average) Children had a larger median than the adults. Not acceptable examples The children were faster The adults median was 64, the children’s median was 75 11 minutes difference The children had more time to run than the adults	Statement must be entirely true and not contradictory Figures not required in comparison, but if seen must be correct. Where [11] is the difference between 75 and their (a). If median in (a) is greater than 75 then converse statements would be correct ft.

November 2022 Paper 2

Question	Answer	Mark	Mark scheme	Additional guidance																											
15 (a)	Diagram	B2	for a fully correct ordered diagram	<table border="1" style="margin-bottom: 10px;"> <tr> <td style="padding: 2px 5px;">7</td> <td style="padding: 2px 5px;"> </td> <td style="padding: 2px 5px;">1</td> <td style="padding: 2px 5px;">1</td> <td style="padding: 2px 5px;">4</td> <td style="padding: 2px 5px;">5</td> <td style="padding: 2px 5px;">7</td> </tr> <tr> <td style="padding: 2px 5px;">8</td> <td style="padding: 2px 5px;"> </td> <td style="padding: 2px 5px;">2</td> <td style="padding: 2px 5px;">4</td> <td style="padding: 2px 5px;">5</td> <td style="padding: 2px 5px;">6</td> <td style="padding: 2px 5px;">7</td> <td style="padding: 2px 5px;">8</td> <td style="padding: 2px 5px;">9</td> </tr> <tr> <td style="padding: 2px 5px;">9</td> <td style="padding: 2px 5px;"> </td> <td style="padding: 2px 5px;">1</td> <td style="padding: 2px 5px;">4</td> <td style="padding: 2px 5px;">7</td> <td style="padding: 2px 5px;">8</td> <td></td> </tr> <tr> <td style="padding: 2px 5px;">10</td> <td style="padding: 2px 5px;"> </td> <td style="padding: 2px 5px;">3</td> <td></td> </tr> </table> <p>Accept stem of 70, 80, 90, 100 Can be in reverse vertical order (with matching leaves) eg 10, 9, 8, 7 Errors can be omissions; one number in the wrong position is one error.</p>	7		1	1	4	5	7	8		2	4	5	6	7	8	9	9		1	4	7	8		10		3	
		7			1	1	4	5	7																						
		8			2	4	5	6	7	8	9																				
		9			1	4	7	8																							
10		3																													
(B1)	for a complete unordered diagram or for an ordered diagram with at most one error or omission)																														
B1	for correct key eg 7 1 or 70 1 represents 71 Key must be consistent with the stem																														
(b)	86	M1	for identifying the median, eg “6” circled or an answer of 6 or ft their list or diagram for selection of middle value (allow up to two errors or omission in listing)																												
		A1	for 86 or ft their list or diagram for selection of middle value (allow up to two errors or omission in listing)																												

November 2023 Paper 2

Question	Answer	Mark	Mark scheme	Additional guidance
17	16 0 2 8	B2	for a fully correct ordered diagram	Accept stem of 160, 170, 180, 190 Can be in reverse vertical order (with matching leaves) eg 19, 18, 17, 16 Errors can be omissions; one number in the wrong position is one error. Key must be consistent with the stem.
	17 2 2 3 7 8	(B1)	for a complete unordered diagram or for an ordered diagram with at most one error or omission)	
	18 0 0 3 4 6 8			
	19 1 7			
Key: 16 0 = 160 or 160 0 = 160	B1	(indep) for correct key, eg 16 0 or 160 0 represents 160		

November 2021 Paper 3

Question	Answer		Mark	Mark scheme	Additional guidance
20	1	57899	B2	for a fully correct ordered diagram	Can be in reverse vertical order (with matching leaves) eg 3,2,1 One number in the wrong position is one error.
	2	0224558	(B1	for a fully correct unordered diagram or for an ordered diagram with one error or omission)	
	3	235	B1	(indep) for correct key (units not required but must be correct if stated) eg 2 5 represents 25 (cm)	

June 2022 Paper 1

Question	Answer	Mark	Mark scheme	Additional guidance
21	1 79	B2	for a fully correct ordered diagram	Accept stem of 10, 20, 30, 40 Can be in reverse vertical order (with matching leaves) eg 4, 3, 2, 1 Errors can be omissions; one number in the wrong position is one error. Key must be consistent with the stem
	2 55677789	(B1)	for a complete unordered diagram or for an ordered diagram with at most one error or omission)	
	3 377			
	4 57			
Key: eg 2 5 = 25 or 20 5 = 25	B1	for correct key (units not required but must be correct if stated) eg 2 5 or 20 5 represents 25 (years)		

November 2024 Paper 3

Question	Answer	Mark	Mark scheme	Additional guidance
22	Comparison	B1	for correctly identifying the median of (School) A as 57	
		C1	(ft, dep on value for the median being stated) for making a correct comparison of <u>median</u> eg ‘the median of (School) A is higher than the median of (School) B’	If median for school B is stated in the comparison it must be correct
		B1	for correctly identifying the range of (School) A as 49	
		C1	(ft, dep on value for the range being stated) for making a correct comparison of <u>range</u> eg ‘the range of (School) A is higher than the range of (School) B’	If range for school B is stated in the comparison it must be correct

