13	(a)		7, 24, 42, 56, 66, 70	1	B1	Correct values for cumulative frequency
	(b)	**USE OVERLAY** (NB: a 'bar chart' type graph scores zero marks) (ignore any part of the graph before (10, 7))	6 points plotted at ends of intervals and joined with curve or line segments	2	B2	Fully correct graph. (B1 for 5 correct points plotted and joined or B1for 5 or 6 points plotted but not joined or B1 for 5 or 6 points plotted consistently within each interval (not at upper end) at their correct heights and joined eg plotted at 5, 15, 25, 35, 45, 55 For any of the B1 options, you can ft a table with just one error provided values are ascending)
	(c)	NB: readings are 16 – 18 and 36 – 38 (but for this M1 these do not have to be correct if correct working is shown – eg lines or marks indicating use of CF 17.5 and CF 52.5 with an indication on the distance axis at the correct points (or they can just show the correct readings))		2	M1ft	For a correct method to **allow** readings to be taken on the distance axis from cf 52.5 (or 53.25) and from cf 17.5 (or 17.75) oe Ft from their cf graph
		If a graph is drawn and answer is in the given range, then award the marks – unless from obvious incorrect working	18 - 22		A1ft	Accept a single value in range or ft from their cf graph
	(d)			2	M1ft	A line up from 46 to the line and reading across – or a reading of 61 – 64 (can be non-whole number) from their cf graph
		If a graph is drawn and answer is in the given range, then award the marks – unless from obvious incorrect working	6 or 7 or 8 or 9		A1ft	ft their cf graph, must be a whole number
						Total 7 marks