

1	(a)	10, 25, 50, 80, 85, 100	B1	cao	If histograms drawn, plots must be identified. Accept a smooth curve or line segments. Ignore to the left of the first point and right of the last point. If answer is in the range award the marks unless from obvious incorrect working
	(b)	Graph drawn	M1	for 5 or 6 of their points plotted correctly from a cf table with no more than one error	
			A1	for a fully correct graph	
				SC B1 for 5 or 6 cf values plotted at correct heights not at end but consistently within each interval and joined provided no gradient is negative	
	(c)	35 to 39	B1	for answer in the range 35 to 39 or ft their graph (if possible)	
	(d)	85 to 93	M1	for finding the difference between readings taken from the profit axis at points from a cf of 25 and a cf of 75 ft their graph (if possible)	
			A1	for answer in the range 85 to 93 or ft their graph (if possible)	

2	Frequency polygon drawn	B2	for fully correct frequency polygon with points plotted at the midpoints	Joining must be with line segments Accept points plotted within half a small square Ignore any histogram drawn and any part of a frequency polygon outside range of first and last points plotted
	(2.5, 8), (7.5, 24) (12.5, 13) (17.5, 11) (22.5, 4)	(B1)	for all points plotted correctly but not joined with line segments or points plotted at correct heights not at midpoints but consistently within each interval and joined with line segments or correct frequency polygon with one point incorrect or correct frequency polygon with first and last points joined directly)	for example, at 0, 5, 10, ... or at 5, 10, 15, ...