

1	(a)	$160 < h \leq 170$	B1	correct class interval
	(b)	Line segments joining the points (135, 4), (145, 11), (155, 24), (165, 22) and (175, 19)	C2 [C1]	for fully correct frequency polygon for points plotted correctly at midpoints of intervals OR joining points with line segments at the correct heights and consistent within the intervals (including end values) OR correct frequency polygon with one point incorrect OR correct frequency polygon with first and last point joined]  NB: ignore any histogram drawn and any part of frequency polygon outside range of first and last points plotted

2	18.6	M1	for finding 4 products within intervals (including end points)	<table border="1"> <thead> <tr> <th>Min <math>fx</math></th> <th>Max <math>fx</math></th> </tr> </thead> <tbody> <tr> <td>5</td> <td>10</td> </tr> <tr> <td>20</td> <td>30</td> </tr> <tr> <td>105</td> <td>140</td> </tr> <tr> <td>160</td> <td>200</td> </tr> </tbody> </table> <p><math>\Sigma fx</math> must come from 4 products <math>fx</math> within intervals (including end points)</p>	Min $fx$	Max $fx$	5	10	20	30	105	140	160	200
		Min $fx$	Max $fx$											
		5	10											
20	30													
105	140													
160	200													
M1	for $\Sigma fx \div (1 + 2 + 7 + 8)$ or $(7.5 \times 1 + 12.5 \times 2 + 17.5 \times 7 + 22.5 \times 8) \div (1 + 2 + 7 + 8)$ or $(7.5 + 25 + 122.5 + 180) \div 18$ or $335 \div 18$													
A1	for 18.6(111...)													