

Question			Answer	Marks	AO	Guidance
1	(a)		The given data (on the graph) is continuous, not discrete <b>oe</b>	<b>E1</b>	<b>2.4</b>	Need a comment on the suitability of the histogram for the given data – we need a <b>comment on the type(s) of data</b> . The following score -The given data was discrete, but this diagram represents continuous data -The diagram is for continuous data, but the original data was discrete -‘It is continuous data’ as the question asked about the histogram - The data is discrete so there should be gaps between the bars -‘The histogram uses ranges e.g. 6- 7 but the data is discrete and cannot have values between 6-7’ etc  Comments such as ‘there are no gaps between the bars’ or ‘it should be a bar chart’ or FD should be used or ‘it is discrete data’ (ambiguous) score 0
				<b>[1]</b>		
1	(b) (i)		3.183... to 3.184 or 3.18 BC  Mark at most accurate	<b>B1</b>	<b>1.1</b>	Exact value is 3.183673469 or $3\frac{9}{49}$ or $\frac{156}{49}$ o.e.  Allow if seen in (b)(ii) if not seen in (b)(i)  SC: 3.2 allow B1
				<b>[1]</b>		
1	(b) (ii)		1.61... to 1.62 BC OR 1.59... to 1.60	<b>B1</b>	<b>1.1</b>	Exact value is 1.615980989 (sample)  Exact value is 1.599406387 (population)
				<b>[1]</b>		