

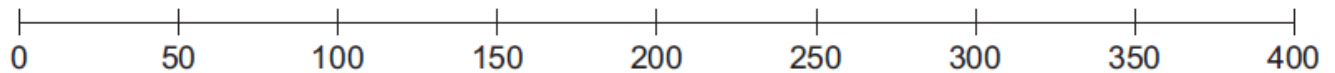
AQA – Data presentation and interpretation – A2 Mathematics P3**1. June/2020/Paper_3/No.12**

The box plot below summarises the CO₂ emissions, in g/km, for cars in the Large Data Set from the London and North West regions.

London



North West



- (a) Using the box plot, give **one** comparison of central tendency and **one** comparison of spread for the two regions.

[2 marks]

Comparison of central tendency

Comparison of spread

- (b) Jaspal, an environmental researcher, used all of the data in the Large Data Set to produce a statistical comparison of the CO₂ and CO emissions in regions of England.

Using your knowledge of the Large Data Set, give **two** reasons why his conclusions may be invalid.

[2 marks]

2. June/2019/Paper_3/No.10

Which of the options below best describes the correlation shown in the diagram below?



Tick (✓) one box.

[1 mark]

moderate positive

strong positive

moderate negative

strong negative

- (b) Amelia thinks she may have written down Ann's height incorrectly.

If Ann's height were discarded, state with a reason what, if any, difference this would make to the mean and standard deviation.

[2 marks]
