Comparing Data

E.g. 1 Kate and Meghan went for 10 bike rides for 40 km and recorded their time taken, in minutes.
Here is a summary of the data. Compare their times.

Class	Lowest time	Lower quartile	Median	Upper quartile	Highest time
Kate	70	73	80	82	87
Meghan	38	75	77	81	87

Working:

1st comment = central tendency
Meghan is fastest on average because her median time is lower than Kate's median (77 vs 80)
2nd comment = spread
However, Kate is a more consistent cyclist results because her interquartile range is lower than Meghan's (6 vs. 9)

Video: Comparing data

Solutions to Starter and E.g.s

Exercise

9-1 class textbook:	p492 E14.6 Qu 1-5
A*-G class textbook:	p448 E14.3 Qu 2-5
9-1 homework book:	p170 E14.6 Qu 1-4
A*-G homework book:	p127 E14.3 Qu 1-3

Homework book answers (only available during a lockdown)