

6.6 Quiz: Box and whisker plots

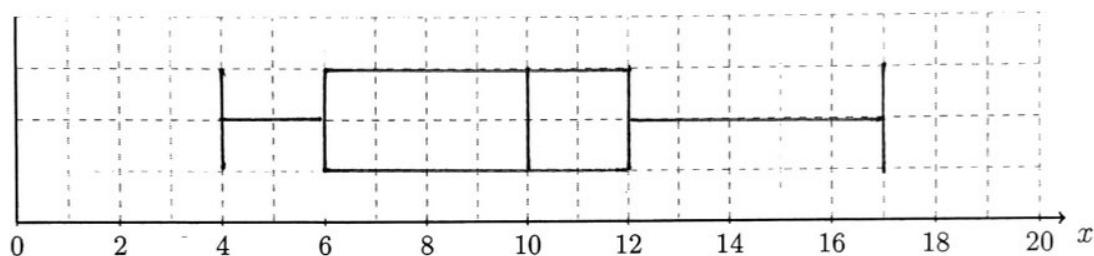
1. Find the mean of the following set of numbers:

9, 10, 14, 15, 17

$$\bar{x} = 13$$

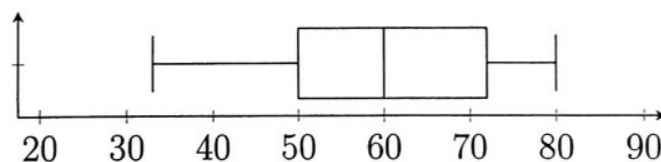
2. Draw a box and whiskers plot of the five-figure summary on the grid. Use a ruler for full credit.

min = 4, $Q_1 = 6$, median = 10, $Q_3 = 12$, maximum = 17



3. The box-and-whisker plot represents the examination scores of a group of students.

Examination Scores



- (a) Write down each value:

i. median = 60 ii. $Q_1 = 50$ iii. max = 80

The range of the scores is 47 marks, and the interquartile range is 22 marks.

- (b) Find the value of

i. the minimum score; 33

ii. the third quartile. 72