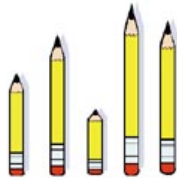


Pencils and cars

This task is about mean, median, and quartiles.



Aaron measured the lengths of ten pencils. Here are his results recorded in centimetres (cm).

4.1, 6.4, 7.3, 7.8, 8.0, 12.0, 13.4, 15.2, 18.1, 20.7

- i) What is the average (mean) length of the pencils? _____ cm
- a)
- ii) What is the median length of the pencils? _____ cm



Zoe counted the number of cars that passed her school gate each minute. Here are her results.

0, 2, 4, 4, 5, 7, 8, 11, 11, 16, 16, 19, 28

- b) Work out each of these statistics for Zoe's data.
- i) The median = _____ cars per minute
- ii) The lower quartile = _____ cars per minute
- iii) The upper quartile = _____ cars per minute