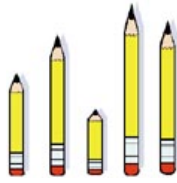


# Pencils and cars

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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