**2C Quartiles & Interpolation**

1. From the large data set, the daily maximum gust (knots) during the first 20 days of June 2015 is recorded in Hurn. The data is shown below:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 14 | 15 | 17 | 17 | 18 |
| 18 | 19 | 19 | 22 | 22 |
| 23 | 23 | 23 | 24 | 25 |
| 26 | 27 | 28 | 36 | 39 |

Find the median and quartiles for this data.

1. The length of time (to the nearest minute) spent on the internet each evening by a group of students is shown in the table below.

|  |  |
| --- | --- |
| Time spent on internet (mins) | Frequency |
| 30-31 | 2 |
| 32-33 | 25 |
| 34-36 | 30 |
| 37-39 | 13 |

1. Find an estimate for the upper quartile
2. Find an estimate for the 10th percentile