**Box Plots**

**1.** The times, in seconds, taken by 11 teachers to solve a puzzle are listed in order

 4 12 13 17 18 20 22 24 25 30 34

(a) Find

(i) the lower quartile,

………………………seconds

(ii) the interquartile range.

…………………………seconds

(2)

(b) Draw a box plot for this data.



(3)

(Total 5 marks)

**2.** Some students took a test.
The table shows information about their marks.

|  |  |
| --- | --- |
| Minimum mark | 10 |
| Lower quartile | 33 |
| Interquartile range | 35 |
| Median mark | 43 |
| Range | 65 |

 Use this information to draw a box plot.



(Total 3 marks)

**3.** Mary recorded the heights, in centimetres, of the girls in her class.

 She put the heights in order.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 132 | 144 | 150 | 152 | 160 | 162 | 162 | 167 |
| 167 | 170 | 172 | 177 | 181 | 182 | 182 |  |

(a) Find

(i) the lower quartile,

........................... cm

(ii) the upper quartile.

........................... cm

(2)

(b) On the grid, draw a box plot for this data.



(3)

(Total 5 marks)