

# 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,

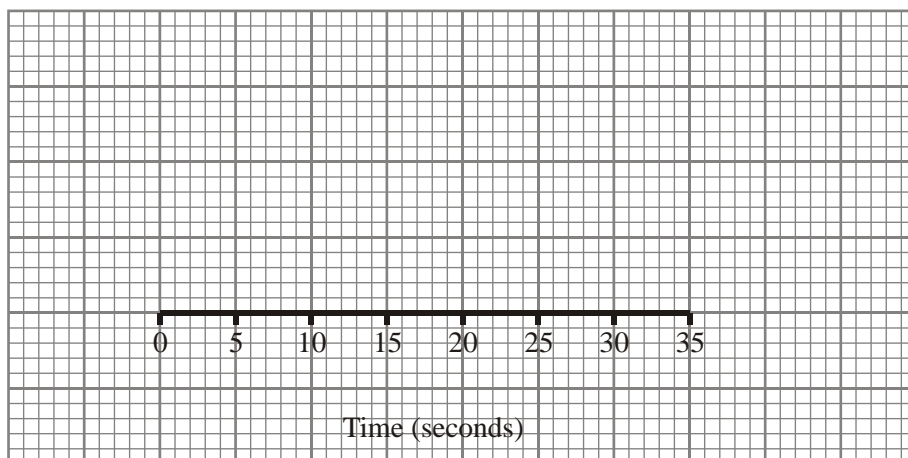
.....seconds

(ii) the interquartile range.

.....seconds

(2)

(b) Draw a box plot for this data.



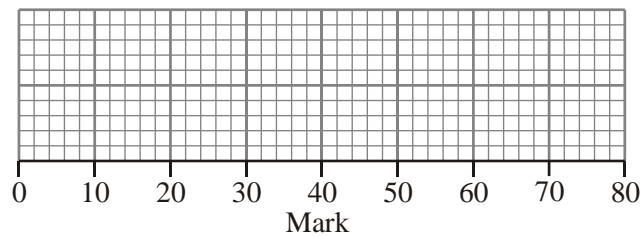
(3)

(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,

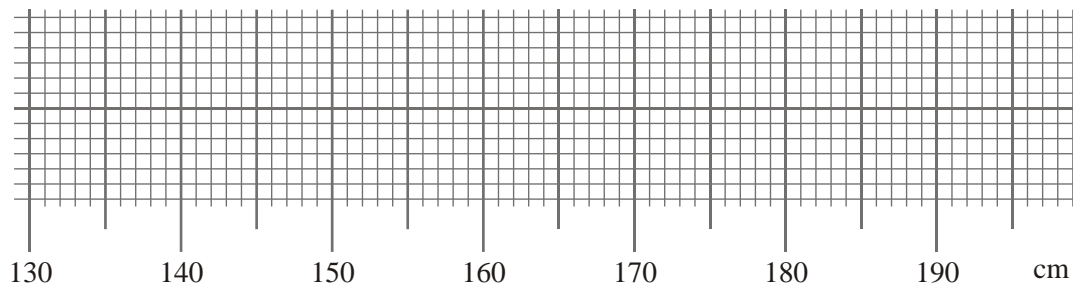
..... cm

- (ii) the upper quartile.

..... cm

(2)

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



(3)  
(Total 5 marks)