**Median & Quartiles**

*Remember:*

**Median**: Middle number (when data is in order)

**Lower Quartile**: The median of the lower half

**Upper Quartile**: The median of the upper half

**1.** Percentage achieved in a Statistics test:

78 82 74 45 68 75 93 54 61 70 48 66 62 51 77

Median: Lower Quartile: Upper Quartile:

**2.** Minutes per day spent playing computer games:

40 26 60 64 33 39 28 46 47 51 55

Median: Lower Quartile: Upper Quartile:

**3.** Time taken (in minutes) to solve a crossword puzzle:

12 24 21 16 8 9 3 31 18 27 35 41 26 12 17 6 5 19 29

Median: Lower Quartile: Upper Quartile:

**4.** Weight in kg of year 10 boys:

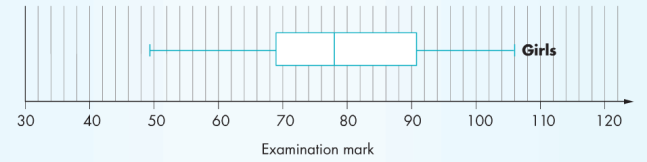
47 51 63 39 42 57 36 37 49 32 60 54 56 45 52

Median: Lower Quartile: Upper Quartile:

**5.** Height in cm of a group of year 10 girls:

153 147 160 146 162 158 159 149 152 150 163

Median: Lower Quartile: Upper Quartile:

 **Box Plots**

Upper quartile

Median

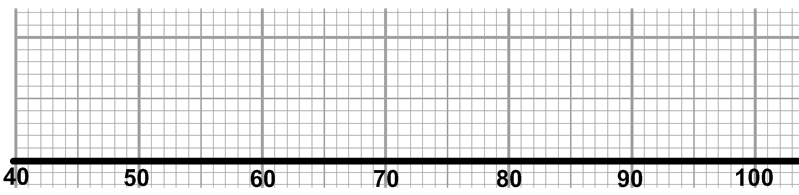
Lower quartile

Max. value

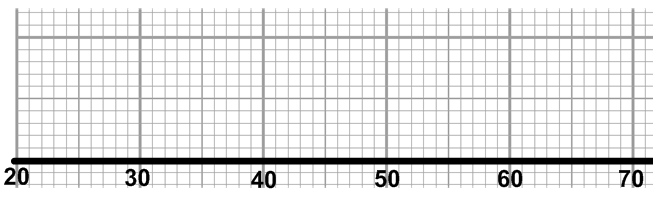
Min. value

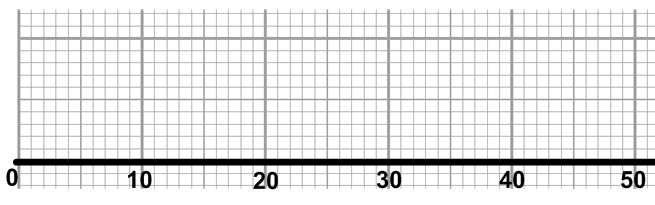
**1.** Draw a box plot for the percentage achieved in the

statistics test.

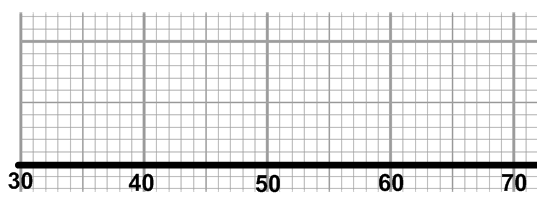


**2.** Draw a box plot for the minutes per day spent playing computer games.

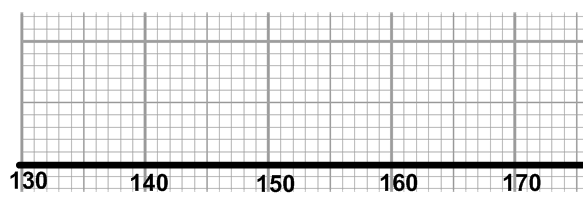


**3.** Draw a box plot for the time taken (in minutes) to solve a crossword puzzle.

**4.** Draw a box plot for the weight in kg of year 10 boys.



**5.** Draw a box plot for the height in cm of a group of year 10 girls.



**Median & Quartiles ANSWERS**

*Remember:*

**Median**: Middle number (when data is in order)

**Lower Quartile**: Halfway between lowest number and median

**Upper Quartile**: Halfway between median and highest number

**1.** Percentage achieved in a Statistics test:

78 82 74 45 68 75 93 54 61 70 48 66 62 51 77

45 48 51 54 61 62 66 68 70 74 75 77 78 82 93

Median: 68 Lower Quartile: 54 Upper Quartile: 77

**2.** Minutes per day spent playing computer games:

40 26 60 64 33 39 28 46 47 51 55

26 28 33 39 40 46 47 51 55 60 64

Median: 46 Lower Quartile: 33 Upper Quartile: 55

**3.** Time taken (in minutes) to solve a crossword puzzle:

12 24 21 16 8 9 3 31 18 27 35 41 26 12 17 6 5 19 29

3 5 6 8 9 12 12 16 17 18 19 21 24 26 27 29 31 35 41

Median: 18 Lower Quartile: 9 Upper Quartile: 27

**4.** Weight in kg of year 10 boys:

47 51 63 39 42 57 36 37 49 32 60 54 56 45 52

32 36 37 39 42 45 47 49 51 52 54 56 57 60 63

Median: 49 Lower Quartile: 39 Upper Quartile: 56

**5.** Height in cm of a group of year 10 girls:

153 147 160 146 162 158 159 149 152 150 163

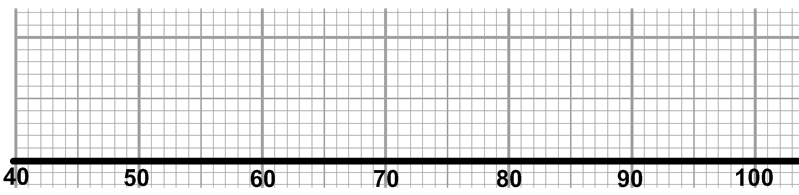
146 147 149 150 152 153 158 159 160 162 163

Median: 153 Lower Quartile: 149 Upper Quartile: 160

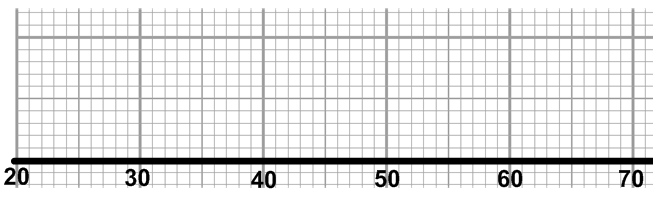
**Box Plots ANSWERS**

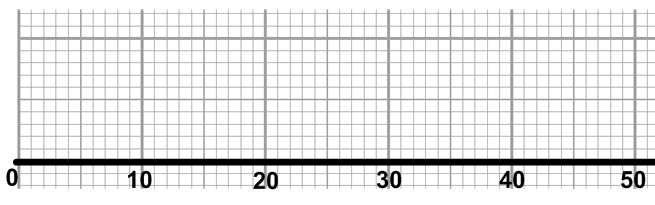
**1.** Draw a box plot for the percentage achieved in the

statistics test.

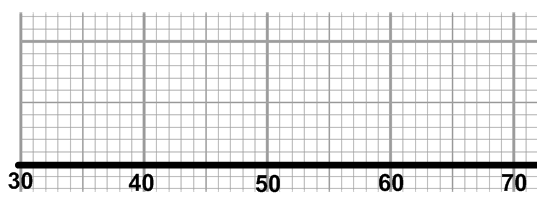


**2.** Draw a box plot for the minutes per day spent playing computer games.



**3.** Draw a box plot for the time taken (in minutes) to solve a crossword puzzle.

**4.** Draw a box plot for the weight in kg of year 10 boys.



**5.** Draw a box plot for the height in cm of a group of year 10 girls.

