Median & Quartiles

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:

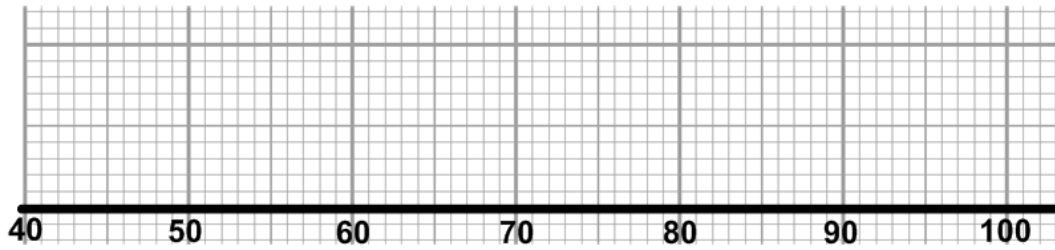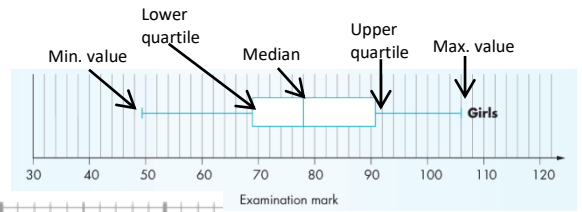153 147 160 146 162 158 159 149 152 150 163
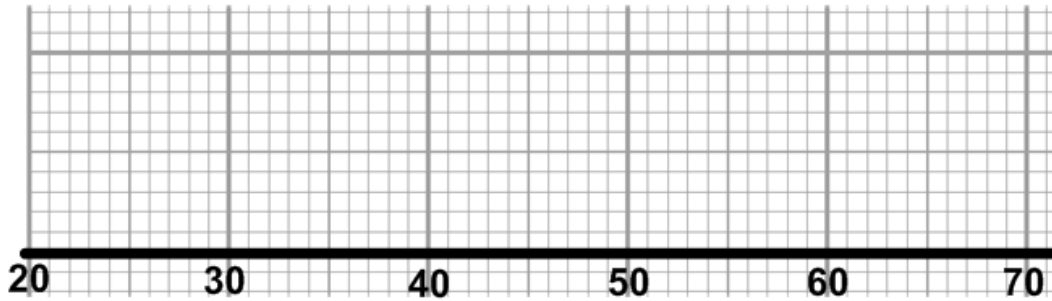
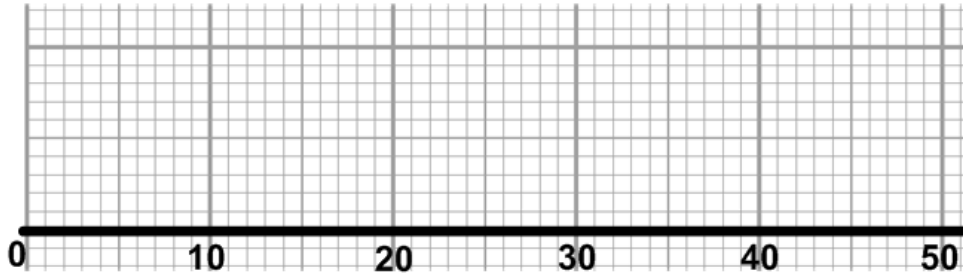Median: Lower Quartile: Upper Quartile:

Box Plots

1. Draw a box plot for the percentage achieved in the statistics test.
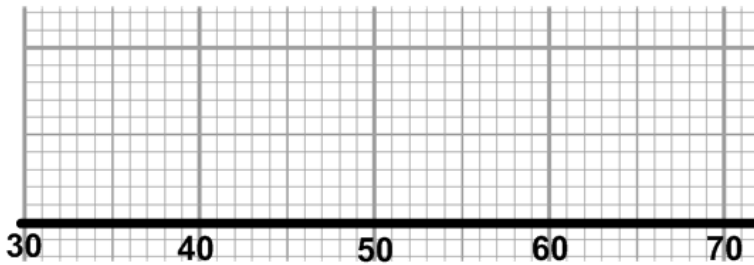

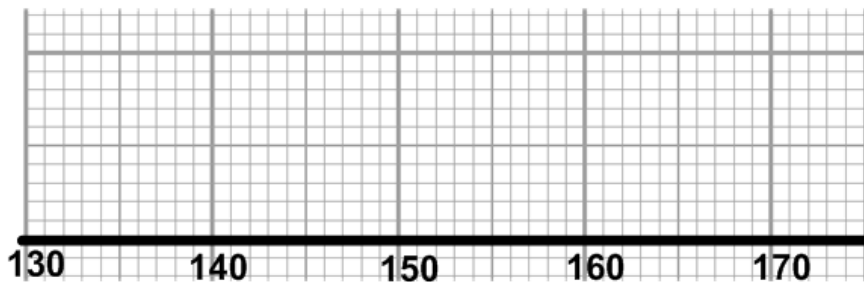**2.** Draw a box plot for the minutes per day spent playing computer games.

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

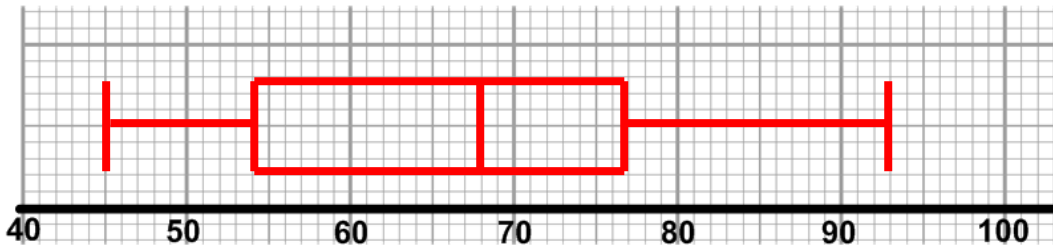146 147 149 150 152 153 158 159 160 162 163
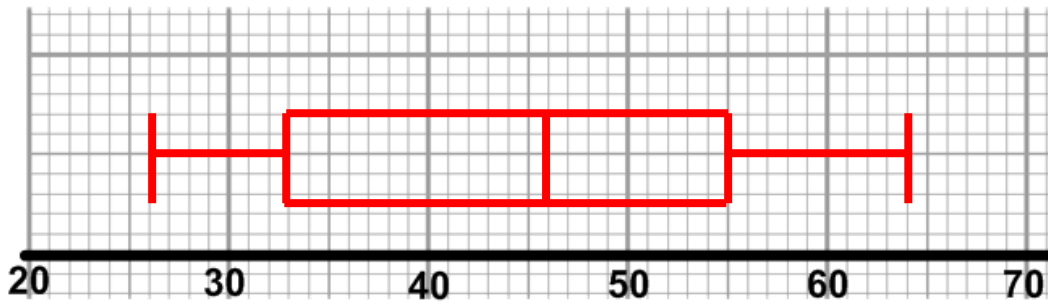
Median: 153   Lower Quartile: 149   Upper Quartile: 160
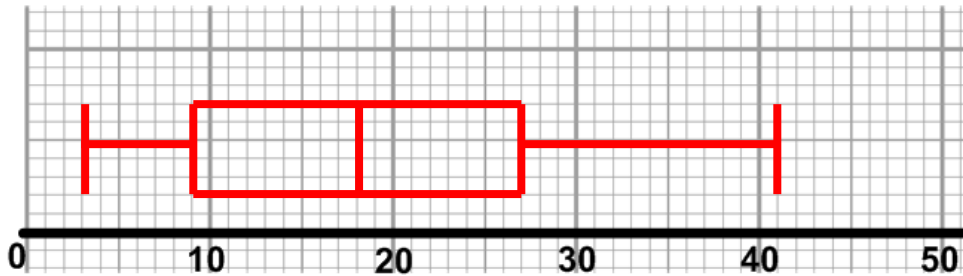
Box Plots ANSWERS

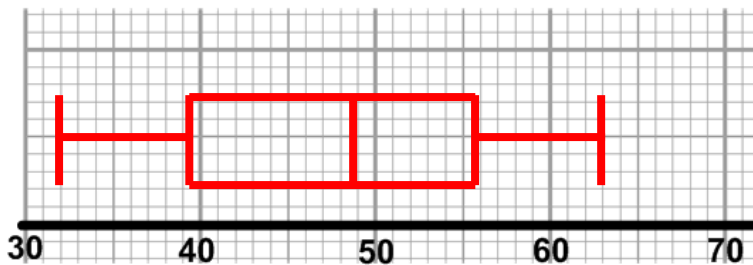**1.** Draw a box plot for the percentage achieved in the statistics test.

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