

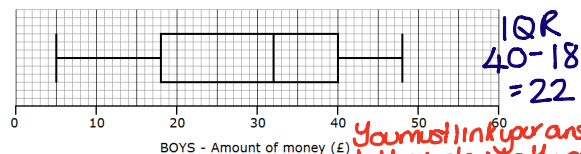
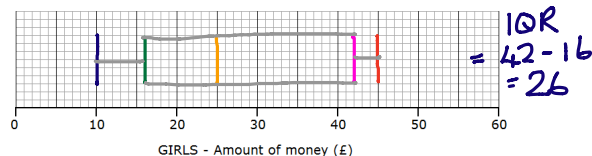
Box Plots

How to ...

Some girls did a sponsored swim to raise money for charity. The table shows information about the amounts of money (£) the girls raised

Least amount of money (£)	10 ✓
Greatest amount of money (£)	45 ✓
Median	25 ✓
Lower quartile	16 ✓
Upper quartile	42 ✓

(a) On the grid draw a box plot for the information in the table.



(b) Some boys also did the sponsored swim. The above box plot shows information about the amounts of money the boys raised. Compare the amounts of money the girls raised with the amounts of money the boys raised.

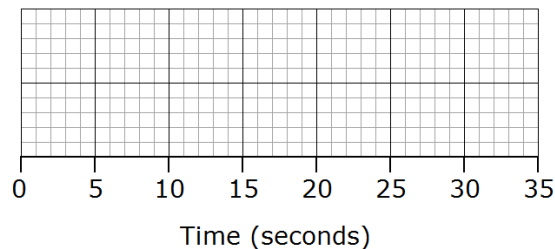
- The median for the boys £32 was higher than the girls £25 which suggests the boys raised more money
- The IQR of the boys is smaller than the IQR of the girls so the amounts of money were more consistent. (4)

You must link your answer to the below to the context.

Now have a go yourself ...

- The number of downloads from a music site during 15 time periods were as follows:

5 5 7 12 16 20 21 23
26 26 27 27 28 29 31

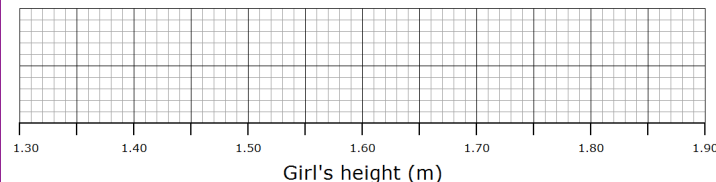


Draw a box plot for the above data.

- Verity records the height of the girls in her class. The height of the shortest girl is 1.38 m. The height of the tallest girls is 1.81 m.

The median height is 1.63 m and the lower quartile is 1.54m. The interquartile range is 0.14 m.

Draw a box plot for this information

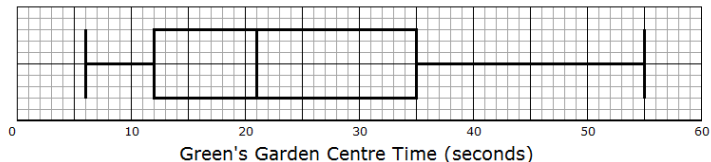
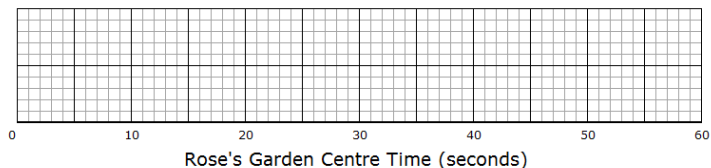


Exam Questions

Here are the times, in seconds, that 15 people waited to be served at Rose's garden centre.

5 9 11 14 15 20 22 25 27 27 28 30 32 35 44

(a) On the grid, draw a box plot for this information



The box plot above shows the distribution of the times that people waited to be served at Green's garden centre.

(b) Compare the distribution of the times that people waited at Rose's garden centre and the distribution of the times that people waited at Green's garden centre.

(6)

Ready to be marked ?

Checklist



Answer checked



Working out shown



Keywords



Things to remember ...



What went well ...

Teacher comment ..