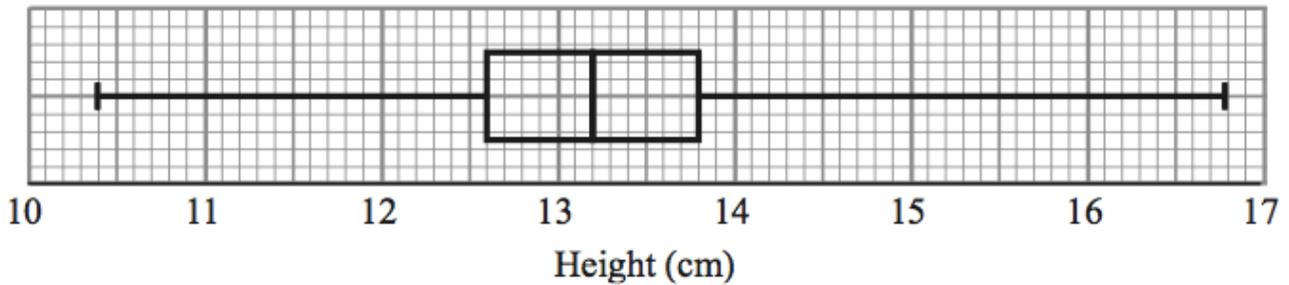


Data - Box Whisker Plots

Mr Green measured the height, in cm, of each tomato plant in his greenhouse. He used the results to draw the box plot shown below.



(a) Write down the median height.

..... cm
(1)

(b) Work out the interquartile range.

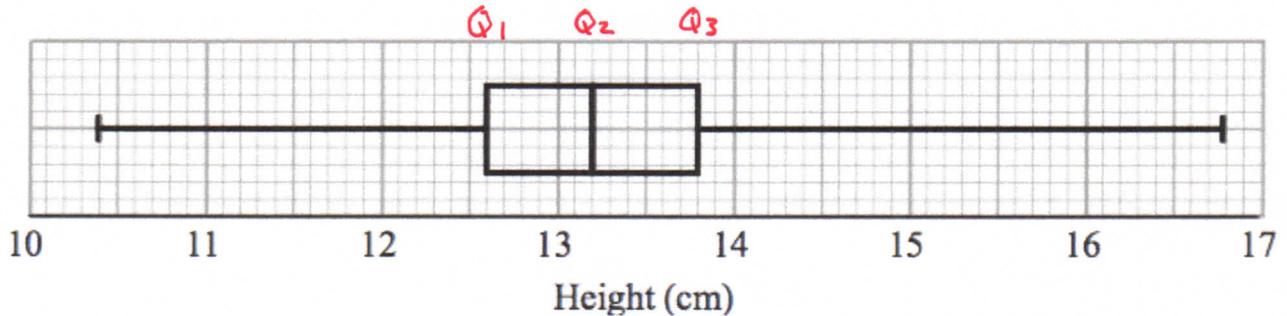
..... cm
(2)

(c) Explain why the interquartile range may be a better measure of spread than the range.

.....
.....
(1)

Data - Box Whisker Plots

Mr Green measured the height, in cm, of each tomato plant in his greenhouse. He used the results to draw the box plot shown below.



(a) Write down the median height.

..... 13.2 cm
(1)

(b) Work out the interquartile range.

$$\begin{aligned} \text{IQR} &= Q_3 - Q_1 \\ &= 13.8 - 12.6 \\ &= 1.2 \end{aligned}$$

..... 1.2 cm
(2)

(c) Explain why the interquartile range may be a better measure of spread than the range.

Because the IQR measures the spread of the middle 50% of the data, it is not distorted by extreme values (outliers)

(1)