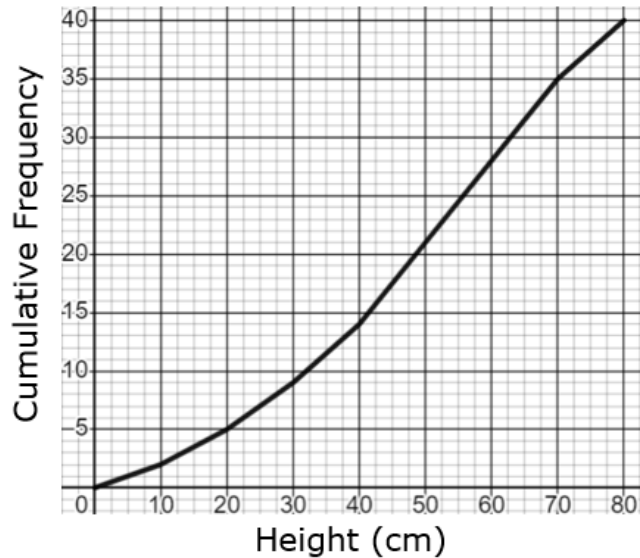


Reading Cumulative Frequency Graphs

(a)

The cumulative frequency graph shows the height of 40 plants in *cm*.



(a) Find the median height of the plants.

48 cm

(b) Find the interquartile range of the heights of the plants.

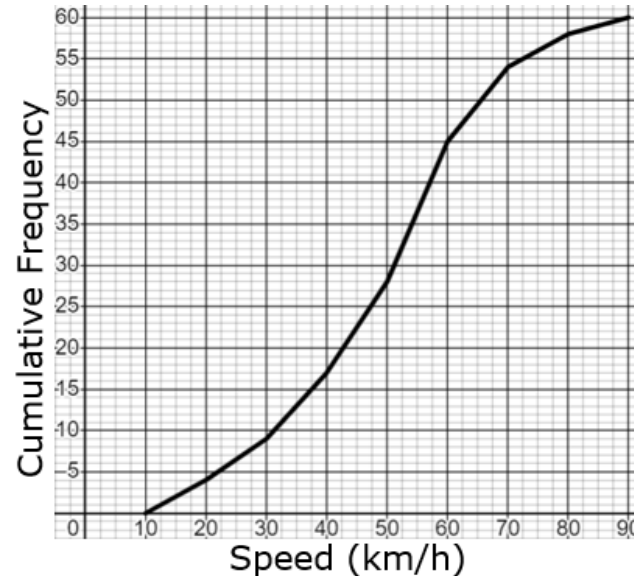
~30 cm

(c) Find the number of plants whose height is less than 30 *cm*.

9 plants

(b)

The cumulative frequency graph shows the speed of 60 cars in *km/h*.



(a) Find the interquartile range of the speeds.

~22 km/h

(b) Find the number of cars travelling less than 45 *km/h*.

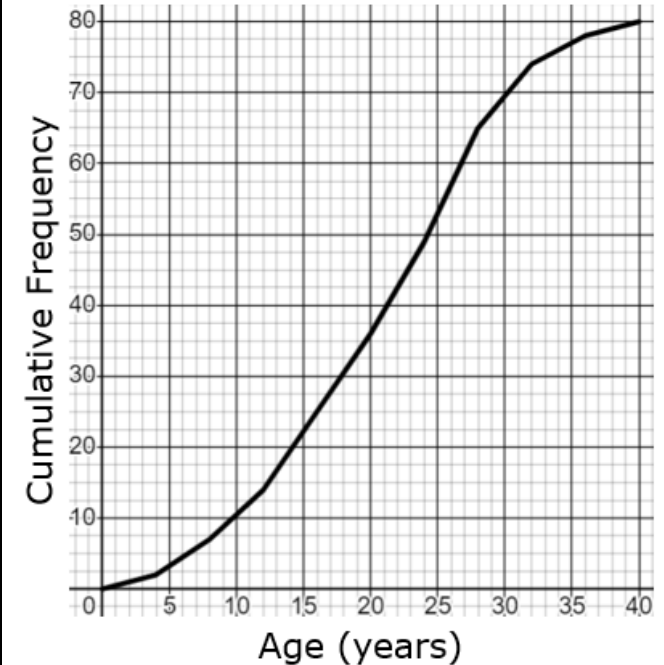
23 cars

(c) The speed limit is 70 *km/h*. What fraction of cars are breaking the speed limit?

$$\frac{6}{60} = \frac{1}{10}$$

(c)

The cumulative frequency graph shows the age of 80 apple trees in years.



(a) Find the number of trees that are at least 25 years old.

~27 trees

(b) Oscar says "30% of apple trees are less than 15 years old". Is Oscar correct? You must show working.

No, from the graph ~23 trees are less than 15 years old, which is 28.75%